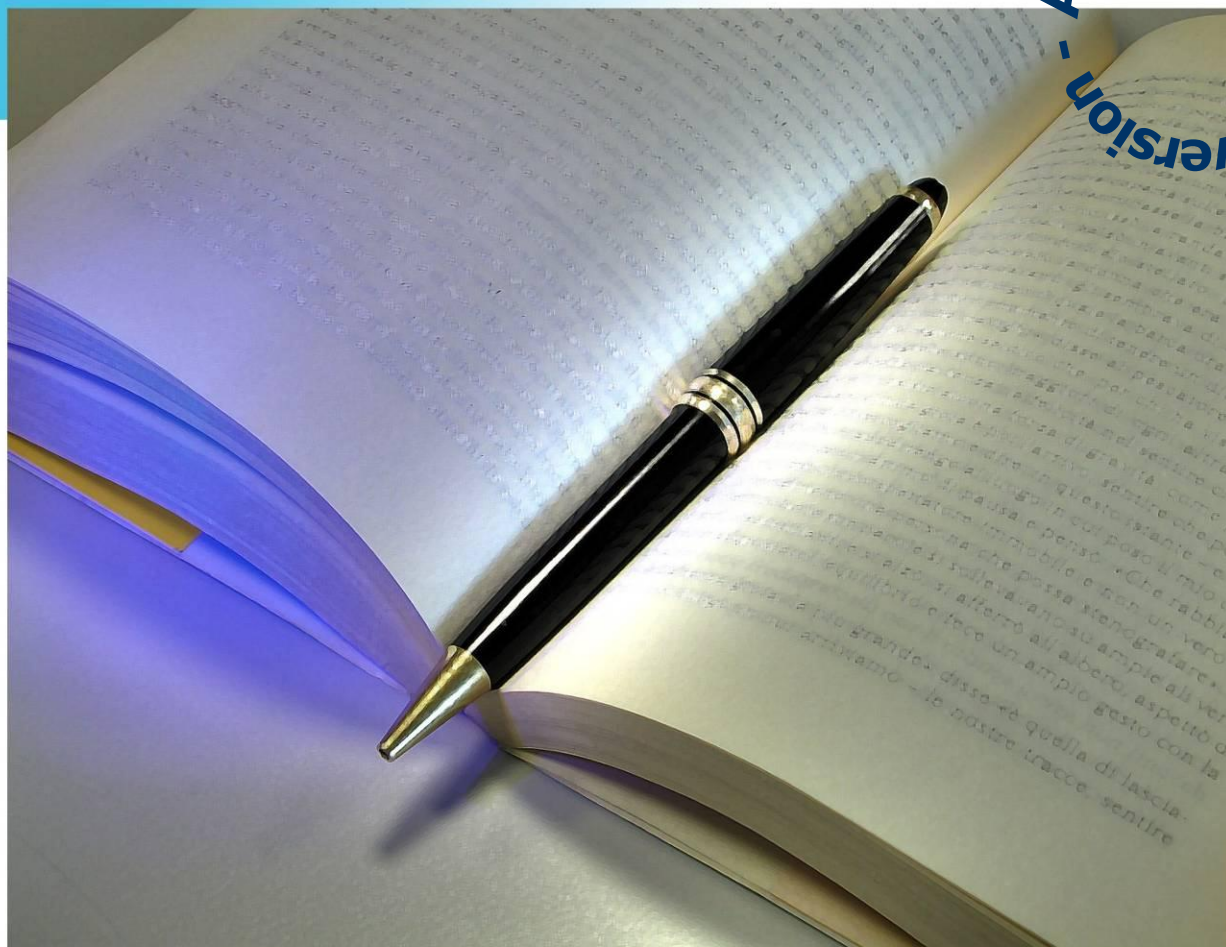


The Book of References



**All studies -
Integral version -**



**FRAS 4, d-ROMs and BAP test
for the global assessment
of oxidative stress
in clinical practice**

Over the past 15 years a strong interest in the evaluation of oxidative stress has been developing in the field of scientific research.

What is oxidative stress? What are the causes of oxidative stress? What are the consequences of oxidative stress in humans and animals? How can we measure oxidative stress? These are some of the questions that have been asked continuously by many scientists, researchers and clinicians around the world and that have found the answer in their numerous publications.

The purpose of this booklet is to collect the materials published so far by all scientists, researchers and doctors. These scientific publications about oxidative stress followed a particular methodology and used appropriate tools, such as FRAS, d-ROMs test and BAP test (all distributed by H & D srl).

These tools give rise to the FRAS system and d-ROMs test and BAP test are the only tests recommended by the International Scientific Community for the measurement and determination of oxidative stress.

This booklet is divided into three different sections to make it easier to consult the publications. The papers reported in the first section are divided according to the author, in the second section by medical specialty and in the third section by year of publication.

A special thanks goes to the many authors around the world have used the FRAS system for the evaluation of oxidative stress and whose work you may find reported here. Good consultation.

Parma, March 1st 2012

H&D srl

Table of Contents

	Preface and acknowledgments	P. 4
Section 1	Selection of references by first author	P. 5
	Accinni – Atabek	p. 5
	Bacci – Burke	p. 6
	Calamari – Criscuolo	p. 10
	D’Aiuto – du Plessis	p. 16
	Endo – Ezaki	p. 18
	Ferenci – Fumiyuki	p. 18
	Galimberti – Guidi	p. 19
	Hadjjynacos – Hussein	p. 21
	Iamele – Iwata	p. 21
	Kakita – Kusmic	p. 25
	Lacetera – Lunardi	p. 26
	Maeda – Mutinati	p. 27
	Nagamoto – Nozawa	p. 29
	Obayan – Özbay	p. 31
	Palleschi – Pugliano	p. 31
	Rampoldi – Ruskowska	p. 33
	Saigo – Suzuki	p. 35
	Tacchi – Tzanakari	p. 37
	Usberti – Uva	p. 38
	Valenti – Vuotto	p. 38
	Wollanke - Wollanke	p. 40
	Yamakage – Yoshikawa	p. 40
	Zenobi – Ziakka	p. 41
	Anonymous	p. 41
Section 2	Selection of references by the prevalent item	P. 42
	Alternative and complementary medicine	p. 42
	Anti-aging medicine	p. 43
	Bone marrow and blood diseases	p. 43
	Cardiovascular diseases	p. 44
	Dentistry	p. 47
	Diabetology	p. 48
	Geriatrics	p. 48
	Infectious diseases	p. 49
	Kidney diseases	p. 49
	Liver diseases	p. 51
	Neonatology and paediatrics	p. 52
	Neurology and psychiatry	p. 53
	Obstetrics and gynaecology	p. 55
	Occupational and environmental medicine	p. 56
	Oncology	p. 56
	Ophthalmology	p. 57
	Otolaryngology	p. 57
	Oxidative stress and recognized health risk factors	p. 58
	Oxidative stress, lifestyle and antioxidant supplementation	p. 60
	Oxidative stress, trauma and surgery	p. 62
	Respiratory diseases	p. 63
	Rheumatology	p. 64
	Sport medicine	p. 65
	Thermal medicine	p. 66
	Veterinary medicine	p. 67
	Appendix 1. <i>Validation and comparative studies</i>	p. 72
	Appendix 2. <i>Reviews</i>	p. 74
	Appendix 3. <i>Miscellanea</i>	p. 76
Section 3	Selection of references by publication year	P. 78
	1995	p. 78
	1996	p. 78
	1997	p. 78
	1998	p. 79
	1999	p. 79
	2000	p. 80
	2001	p. 81
	2002	p. 83
	2003	p. 86
	2004	p. 89
	2005	p. 92
	2006	p. 95
	2007	p. 99
	2008	p.102
	2009	p.106
	2010	p.109
	2011	p.111
	2012	p.113
	Info	P. 1114

Section 1. Selection of References by First Author.

Accinni – Atabek

Accinni R, Campolo J, Bernacchi F, Rosina M, Tonini A, Dellanoce C, Caruso R, Gorini M, Capello T, Lonati S, Novembrino C, Ippolito S, Gherzi L, Bamonti F. *Evaluation of thiol redox status in hyperlipidemic patients on lipid-lowering and antioxidant treatment*. Proceedings 15th European Congress of Clinical Chemistry and Laboratory Medicine. June 1–5, 2003. Barcelona, Spain. Monduzzi Eds. **2003**. Pp. 169–172.

Accinni R, Campolo J, Bernacchi F, Tonini A, Dellanoce C, Caruso R, Gorini M, Lorenzano E, Rocchi R, Lonati S, Novembrino C, Ippolito S, Grossi S, Bamonti F. *Oxidative stress in dyslipidemia: evaluation of PUFA n-3 effect with addition of vitamin E and gamma-oryzanol*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 464.

Accinni R, Campolo J, Bernacchi F, Tonini A, Dellanoce C, Caruso R, Gorini M, Capello T, Lonati S, Novembrino C, Ippolito S, Gherzi L, Rosina M, Bamonti F. *Evaluation of thiol redox status in dyslipidemic patients on lipid-lowering and antioxidant treatment*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 464.

Accinni R, Rosina M, Bamonti F, Della Noce C, Tonini A, Bernacchi F, Campolo J, Caruso R, Novembrino C, Gherzi L, Lonati S, Grossi S, Ippolito S, Lorenzano E, Ciani A, Gorini M. *Effects of combined dietary supplementation on oxidative and inflammatory status in dyslipidemic subjects*. Nutrition, Metabolism & Cardiovascular Diseases. **2006**. 16: 121–127.

Accinni R, Rosina M, Bernacchi F, Campolo J, Tonini A, Dellanoce C, Caruso R, Gorini M, Lorenzano E, Rocchi R, Lonati S, Novembrino C, Ippolito S, Grossi S, Bamonti F. *Hyperlipidemia and oxidative stress: evaluation of PUFA n-3, vitamin E and γ -oryzanol combination*. Proceedings 15th European Congress of Clinical Chemistry and Laboratory Medicine. June 1–5, 2003. Barcelona, Spain. Monduzzi Eds. **2003**. Pp. 173–176.

Ahrens B. *Oxidativer Stress: Messmethode und Antioxidanzberatung*. Lubeck, Germany. **2003**. PRESS RELEASE.

Akkus I, Can UG, Caglayan O, Gurbilek M, Kalak S, Bor MA, Dikici I. *Lipid peroxidation and antioxidant status in serum, erythrocytes and leucocytes of children with insulin-dependent diabetes mellitus*. Proceedings 16th International Congress of Clinical

Chemistry. 7–12 July, 1996. London, United Kingdom. **1996**.

Agorasti A, Mourvati E, Midioura T, Martassidou E, Konstantinidou D, Hatzidimitriou H. *Comparison of effect of EVAL and vitamin E-modified membrane on fibrinogen, D-dimers, antithrombin, protein C and oxidative stress in chronic haemodialysis patients*. Proceedings XVIIth International symposium on technological innovations in laboratory haematology. May 13–15, 2004. Barcelona (Spain). **2004**. 242.

Alberti A, Bolognini L, Carratelli M, Della Bona MA, Macciantelli D. *Assessing oxidative stress with the d-ROMs test. Some mechanistic considerations*. Proceedings SFRR Europe Summer Meeting. June 26–28, 1997. Abano Terme, Padua (Italy). **1997**. Pp. 82–83.

Alberti A, Bolognini L, Macciantelli D, Carratelli M. *The radical cation of N,N-diethyl-para-phenyldiamine: a possible indicator of oxidative stress in biological samples*. Res Chem Intermed. **2000**. 26 (3): 253–267.

Alberti A, Carratelli M, Luca S, Macciantelli D, Teranova R. *On the evaluation of oxidative stress in living organisms*. Proceedings European Congress "The ageing society". October 27–29, 2000. Salsomaggiore Terme, Italy. **2000**.

Alberti A, Della Bona MA, Bolognini L, Carratelli M, Macciantelli D. *Assessing oxidative stress in living organisms by ESR spectroscopy*. Proceedings Third European ESR Meeting. Leipzig, Germany. **1997**. P. 2.

Alberti A. *Report of a EPR experiment on Diacron's kit* [original title "*Esperimento EPR sul kit Diacron*"]. I.Co.C.E.A. – National Council of Research. Research Area. Bologna, Italy. **1997**. EXPERIMENTAL REPORT.

Alberti A. *The d-ROMs test. Model and chemical basis* [original title "*Il d-ROMs test. Modello e basi chimiche*"]. I.Co.C.E.A. – National Council of Research. Research Area. Bologna, Italy. **1997**. EXPERIMENTAL REPORT.

Albertini A, Gerardi GM, Ferrari F, Tira P, Gazzotti RM, Di Lorenzo D. *Application of different methods to evaluate oxidative stress and antioxidant capacity in sera of hemodialyzed patients*. **2002**. CLINICAL REPORT.

- Al-Delaimy WK, Jansen EH, Peeters PH, van der Laan JD, van Noord PA, Boshuizen HC, van der Schouw YT, Jenab M, Ferrari P, Bueno-de-Mesquita HB. *Reliability of biomarkers of iron status, blood lipids, oxidative stress, vitamin D, C-reactive protein and fructosamine in two Dutch cohorts*. *Biomarkers*. **2006**. 11(4): 370–382.
- Alhazza IM, Haffor ASA. *Effect of lead toxicity on free radical production in rats*. *J Med Sci*. **2007**. 7(5): 901–904.
- Alimonti A, Bocca B, Forte G, Pino A, Ruggirei F. *The Parkinson's disease: biomonitoring of chemical elements and oxidative damage* [original title "Morbo di Parkinson: biomonitoraggio degli elementi chimici e del danno ossidativo"]. *Rapporti ISTISAN – 05/23 Istituto Superiore di Sanità. Roma (Italy)*. **2005** (3): Suppl. 11.
- Al-Johany AM, Haffor A-S. *Increased antioxidant and white blood cell counts and decreased free radical production during Mild Heat Stress (MHS) in Uromastix egyptus*. *J. Medical Sciences*. **2005**. *IN PRESS*.
- Al-Johany AM, Haffor AS. *Effects of cadmium exposure on the ultrastructural pathology of different pulmonary cells, leukocyte count, and activity of glutathione peroxidase and lactate dehydrogenase in relation to free radical production in Uromastix aegyptus*. *Ultrastructural Pathology*. **2009**. 33 (2):. 39–47.
- Allegra C, Bartolo M jr, Sarcinella R. *Evaluation of pharmacological effects of a homeopathic medication in primary tardive lymphoedema of lower extremities by means of microlymphography and free radicals detection* [original title "Valutazione degli effetti farmacologici di un medicamento omeoterapico nei linfedemi primari tardivi degli arti inferiori mediante linfografia e rilevazione dei radicali liberi"]. *S. Giovanni Hospital's Clinical Report. Rome, Italy*. **2000**. Pp. 1–4 (Named srl Editor, Milan, Italy).
- Allegra L, Blasi F, Capone P, Centenni S, Gogo R, Damato S, Patrigni G, Piatti G, Rampolli C, Rizzato G. *Optimisation of N-Acetylcysteine dosage to its mucolytic and antioxidant activities* [original title "Ottimizzazione dei dosaggi della NAC per l'espressione delle sue proprietà mucoattive ed antiossidanti"]. *Giornale Italiano delle Malattie Toraciche*. **2001**. 55 (6): 476–484.
- Altamura C, Squitti R, Pasqualetti P, Gaudino C, Palazzo P, Tibuzzi F, Lupoi D, Cortesi M, Rossini PM, Vernieri F. *Ceruloplasmin/Transferrin system is related to clinical status in acute stroke*. *Stroke*. **2009**. 40(4): 1282–1288.
- Ambrosetti U, Gualandri V. *Inquadramento clinico, chirurgico e riabilitativo della persona con Sindrome di Down*. Omega Edizioni. **2008**: 261-290.
- Andersson H. *The physiological impact of soccer on the elite female players and the effects of active recovery training*. **2010**. Orebro Universitet. ISBN 978-91-7668-735-2.
- Andersson H, Karlsen A, Blomhoff R, Raastad T, Kadi F. *Plasma antioxidant responses and oxidative stress following a soccer game in elite female players*. *Scandinavian journal of medicine & science in sports*. **2009**. DOI: 10.1111/j.6000-0838.2009.00987.x.
- Ando H, Takamura T, Matsuzawa-Nagata N, Shima K.R, Nakamura S, Kumazaki M, Kurita S, Misu H, Togawa N, Fukushima T, Fujimura A, Kaneko S. *The hepatic circadian clock is preserved in a lipid-induced mouse model of non-alcoholic steatopatitis*. **2009**. *Biochemical and biophysical research communications*. Vol. 13; 380 (3):684-8.
- Angelini F, Buonocore D, Rucci D, Stesina G, Stefanini L, Bonuccelli A, Tencone F, Marzatico F. *Oxidative stress vs hormonal profile in plasma and saliva: application in sport performance*. *Journal of the International Society of Sport and Nutrition* **2011**, 8(suppl 1):P34. doi: 10.1186/1550-2783-8S1P34.
- Antonicelli R, Testa R, Bonfigli AR, Sirolla C, Pieri C, Marra M, Marcovina SM. *Relationship between lipoprotein(a) levels, oxidative stress, and blood pressure levels in patients with essential hypertension*. *Clinical and Experimental Medicine*. **2001**. 1 (3): 145–150.
- Anzalone GE, Danesi P, Goti P, Melocchi F. *Effect of aerosolised N-Acetylcysteine (NAC) on reactive oxygen metabolites (ROM) in plasma of COPD patients*. *Le malattie dell'apparato respiratorio*. **2001**. 4: 41–45.
- Atabek ME, Oran B, Gültekin F, Karaaslan S. *Acute rheumatic fever (ARA). The role of free oxygen radicals in the etiopathogenesis* [original title "Akut romatizmal ateş (ARA) etyopatogenezinde serbest oksijen radikallerinin rolü"]. *Selçuk Üniv. Tıp Fak. Derg*. **2000**. 16(3): 175–181.
- Atabek ME, Vatansev H, Erkul I. *Oxidative stress in childhood obesity*. *J Pediatr Endocrinol Metab*. **2004**. 17 (8): 1063–1068.

Bacci – Burke

Bacci PA. *Controlled clinical evaluation of oxidative stress changes with nutritional alkalising supplementation* [original title "Valutazione clinica controllata delle variazioni dello stress ossidativo con inte-

grazione alimentare alcalinizzante"]. *Medicina Funzionale*. **2003**. 3: 28–33.

Bacci PA, Allegra C, Albergati F, Brambilla E, Botta G, Mancini S. *Randomized, placebo-controlled double-blind clinical study of the efficacy of a multifunctional plant complex in the treatment of so-called "cellulite"*. *International Journal Of Cosmetic Surgery And Aesthetic Dermatology*. **2003**. 5 (1): 53–68.

Bäckman PAM. *Hyperacusis treatment with a combination of low level laser light, anti-oxidant control and pulsed electromagnetic field – A clinical pilot study*. **2004**. *IN PRESS*.

Bagni M, Civitareale C, Priori A, Ballerini A, Finoia M, Brambilla G, Marino G. *Pre-slaughter crowding stress and killing procedures affecting quality and welfare in sea bass (*Dicentrarchus labrax*) and sea bream (*Sparus aurata*)*. *Aquaculture*. **2007**. 263: 52–60.

Balestrieri ML, De Prisco R, Nicolaus B, Pari P, Schiano Moriello V, Strazzullo G, Iorio EL, Servillo L, Balestrieri C. *Lycopene in association with α -tocopherol or tomato lipophilic extracts enhances acyl-platelet-activating factor biosynthesis in endothelial cells during oxidative stress*. *Free Radical Biology & Medicine*. **2004**. 36 (8): 1058–1067.

Ballardin M, Barsacchi R, Bodei L, Caraccio N, Cristofani R, Di martino F, Ferdeghini M, Kusmic C, Madeddu G, Monzani F, Rossi AM, Sbrana I, Spanu A, Traino C, Barale R. *Oxidative and genotoxic damage after radio-iodine therapy of Graves' hyperthyroidism*. *International Journal of Radiation Biology*. **2004**. 80 (3): 209–216.

Ballerini A, Civitareale C, Fiori M, Regini M, Betti M, Brambilla G. *Traceability of inbred and crossbred Cinta Senese Pigs by evaluating the oxidative stress*. *Journal of Veterinary Medicine A*. **2003**. 50 (3): 113.

Bamonti F, Cornelli U, Galimberti D, Guidi I, Lonati S, Novembrino C, Scarpini E, Bresolin N. *Cerebral oxidation and senile dementia* [original title "*Ossidazione cerebrale e demenza senile*"]. *Proceedings of the Congress "Healthy aging"*. September 30 to October 1st. Spoleto (Italy). **2005**.

Bamonti F, Cornelli U, Galimberti D, Guidi I, Lonati S, Novembrino C, Scarpini E, Bresolin N. *Oxidative stress monitoring in patients affected by senile dementia* [original title "*Monitoraggio dello stress ossidativo in pazienti affetti da demenza senile*"]. *La Medicina Biologica*. **2004**. 4: 27–32.

Bamonti F, De Vecchi A, Novembrino C, Buccianti G, De Franceschi M, Baragetti I, Ippolito S, Maiolo AT. *Oxidative stress and homocysteine in patients on chronic dialysis*. *Clin Chem Lab Med*. **2001**. 39 (Special Supplement): S114.

Bamonti F, Ippolito S, Novembrino C, Lorenzano E, Lonati S, Della Noce C, Tonini A, Ingrassano H, Rosina M, Accinni R. *Homocysteinemia and oxidative stress in dyslipidemia*. *Clin Chem Lab Med*. **2003**. 41 (Special Supplement): A 19.

Bamonti F, Novembrino C, Cighetti G, Annaloro C, Luchesini C, De Franceschi M, Bortone L, Della Volpe A, Ippolito S, Lambertenghi Delilieri G. *Assessment of oxidative stress in hemopoietic stem cell transplantation (HSCT)*. *Biochimica Clinica*. **2001**. 25: 60.

Bamonti F, Novembrino C, Cighetti G, Ippolito S, Lonati S, Maiolo AT. *"Juice-Plus" clinical trial 2001* [original title "*Trial clinico Juice-Plus 2001*"]. **2001**. *CLINICAL REPORT*.

Bamonti-Catena F, Buccianti G, De Vecchi AF, Novembrino C, Ippolito S, De Franceschi M, Lonati S, Baragetti I, Maiolo AT. *Oxidative stress and chronic renal failure* [original title "*Stress ossidativo e uremia*"]. In *Aterosclerosi e rene*. Eds Buccianti G. Wighting, Milan (Italy). **2001**. Pp. 29–37.

Bamonti-Catena F, Cighetti G, Novembrino C, Soresi E, Ippolito S, Lonati S, Maiolo AT. *Oxidative stress in smokers and non-smokers: effects of supplementation*. *Proceedings III International congress of the Ageing Society*. Rome, Italy. **2001**. P. 93.

Bamonti-Catena F, Cighetti G, Novembrino C, Soresi E, Ippolito S, Lonati S, Maiolo AT. *Oxidative stress in smoker and non-smokers subjects*. *Proceedings ATB 2001*. October 3–5, 2001. Milan, Italy. **2001**. P. 33.

Bamonti-Catena F, Cighetti G, Novembrino C, Ippolito S, Lonati S, Soresi E. *Oxidative stress in smokers and non-smokers: effect of an antioxidant supplementation*. *Clin Chem Lab Med*. **2002**. 40 (Special Supplement): S 180.

Bamonti-Catena F, Fracchiolla N, Turrini M, Novembrino C, Lonati S, Lambertenghi Delilieri G. *Oxidative status parameters can help predict severity of infectious complications in hematologic patients*. *Clin Chem Lab Med*. **2006**. 44 (8): A36.

Bamonti-Catena F, Ippolito S, Novembrino C, Lorenzano E, Lonati S, Della Noce C, Tonini A, Ingrassano H, Rosina M, Accinni R. *Homocysteinemia and oxidative stress*. **2002**. *CLINICAL REPORT*.

- Banfi G, Malavazos A, Iorio EL, Dolci A, Doneda L, Verna R, Corsi MM. *Plasma oxidative stress biomarkers, nitric oxide and heat shock protein 70 in trained elite soccer players*. Eur J Appl Physiol. **2006**. 96 (5): 483 – 486.
- Banfi G, Malavazos A, Iorio EL, Dolci A, Doneda L, Verna R, Corsi MM. *The iron-o-dianisidine/xyleneol orange assay in comparative oxidative stress assessment. Some possible shortcomings*. Eur J Appl Physiol. **2006**. 96 (5): 506 – 508.
- Barassi A, Colpi GM, Piediferro G, Dogliotti G, Melzi D'Eril GV, Corsi MM. *Oxidative stress and antioxidant status in patients with erectile dysfunction*. J Sex Med. **2009**. DOI: 10.1111/j.1743-6109.2009.01279.x
- Barletta A, D'Amico MV, Vincelli MR, Venditti D, Scutellà M, Palladino A, Sebastiano C, Vitale C, Puntillo A, Bucci M, Tagliaferri M. *Pre-and post-prandial oxidative stress changes in diabetic patients* [original title "Variazione dello stress ossidativo pre- e post-prandiale in pazienti diabetici"]. Biochimica Clinica. **2001**. 25 (2): 140.
- Basini G, Bussolati S, Santini SE, Grasselli F. *Reactive oxygen species and anti-oxidant defences in swine follicular fluids*. Reproduction, Fertility and Development. **2008**. 20(2) 269–274.
- Beaulieu M, Reichert S, Le Maho Y, Ancel A, Criscuolo F. *Oxidative status and telomere length in a long-lived bird facing a costly reproductive event*. **2010**. Functional ecology. DOI: 10.1111/j.1365-2435.2010.01825.x.
- Begona M, Van Campenhout A, Aerts P, Vertommem J, Abrams P, Van Gaal L, Van Gils C, De Leeuw I. *Time course of oxidative stress status in the postrandial and postabsorptive states in type 1 diabetes mellitus: relationship to glucose and lipid changes*. Journal of the American college of nutrition. **2005**. Vol.24, n.6, 474-485.
- Belcaro G, Carratelli M, Cesarone MR, Cornelli U, Incandela L, Nicolaides A. *Oxygen free radicals: a method, a product, an application*. Proceedings SFRR Europe Summer Meeting. June 26–28, 1997. Abano Terme, Italy. **1997**. Pp. 183–184.
- Belcaro G, Cesarone MR, Errichi BM, Di Renzo A, Errichi S, Ricci A, Gizzi G, Dugall M, Cacchio M, Ruffini I, Fano F, Vinciguerra G, Grossi MG. *Improvement of microcirculation and healing of venous hypertension and ulcers with Crystacide: evaluation with a microcirculatory model, including free radicals, laser doppler flux, and PO₂/PCO₂ measurements*. Angiology. **2007**. 58(3): 323–328.
- Belcaro G, Cesarone MR, Nicolaides AN, Geroulakos G, Di Renzo A, Milani M, Ricci A, Brandolini R, Dugall M, Ruffini I, Cornelli U, Griffin M. *Improvement of microcirculation and healing of venous hypertension and ulcers with Crystacide. Evaluation of free radicals, laser Doppler flux and pO₂. A prospective-randomized-controlled study*. Angiology. **2003**. 54 (3): 325–330.
- Bellieni CV, Iantorno L, Perrone S, Rodriguez A, Longini M, Capitani S, Buonocore G. *Even routine painful procedures can be harmful for the newborn*. Pain. **2009**. Sep 26. Epub ahead of print.
- Bellometti S. *Diagnosis and prevention of oxidative stress damage* [original title: "Diagnosi e prevenzione del danno da stress ossidativo"]. Medicina Naturale. **2007**. 48–52. Popular article.
- Beltrami G, Fanton F, Schiavottello G. *Determination of free radicals in different sporting activities and their application* [original title "Determinazione dei radicali liberi in differenti attività sportiva e sue applicazioni"]. Report of Italian Baseball And Softball Medical Federal Commission. Scientific Institute for Sport Italian National Olympic Committee (CONI), Rome, Italy. **1999**. CLINICAL REPORT.
- Benedetti S, Lamorgese A, Piersantelli M, Pagliarani S, Benvenuti F, Canestrari F. *Oxidative stress and antioxidant status in patients undergoing prolonged exposure to hyperbaric oxygen*. Clinical Biochemistry. **2004**. 37: 312–317.
- Benedetti S, Pagliarani S, Benvenuti F, Marini D, Galli T, Oliva F, Lazzari P, Canestrari F. *Antioxidative effects of sulphurous water from Macerata Feltria thermal resort in patients with osteoarthritis*. Progress in nutrition. **2007**. 9 (1): 1–7.
- Bergero D, Miraglia N, Schiavone A, Polidori M, Proia L. *Effect of dietary polyunsaturated fatty acids and vitamin E on serum oxidative status in horses performing very light exercise*. Ital J Anim Sci. **2004**. (3): 141–145.
- Berhe N, Halvorsen BI, Gundersen Te, Myrvang B, Gundersen Sg, Blomhoff R. *Reduced serum concentrations of retinol and α -tocopherol and high concentrations of hydroperoxides are associated with community levels of S. mansoni infection and schistosomal periportal fibrosis in Ethiopian school children*. Am J Trop Med Hyg. **2007**. 76 (5): 943–949.
- Bernabucci U, Ronchi B, Lacetera N, Tardone A. *Markers of oxidative status in plasma and erythrocytes of transition dairy cows during hot season*. J Dairy Sci. **2002**. 85: 2173–2179.

- Bernabucci U, Ronchi B, Lacetera N, Tardone A. *Influence of body condition score on relationships between metabolic status and oxidative stress in periparturient dairy cows*. J Dairy Sci. **2005**. 88 (6): 2017–2026.
- Bertino MG, Da Vela G, Della Lena R, Salvatori M, Schiatti R. *A recent analytical test useful to monitor environmental diseases in Paediatrics. Preliminary experience of the Paediatric Hospital Meyer's clinical chemical laboratory* [original title "Un recente test analitico utile alla sorveglianza delle malattie ambientali in pediatria. Esperienza preliminare del laboratorio analisi dell'ospedale pediatrico Meyer"]. Proceedings Convegno "Inquinamento ambientale e problematiche pediatriche. 2002, 20th June. Florence (Italy). **2002**. Pp. 13–14.
- Bertone M, Rizzo M, Assorgi R, Muscatello A, Crisostomi S, De Blasis E, Di Giacinto B, Spataro A, Iorio EL. *Plasma oxidant and antioxidant capacity at rest, after exercise-induced dehydration, and after rehydration with an antioxidant drink in elite rowers*. Med Sport. **2008**. 61: 487–495.
- Bertuglia S, Giusti A, Del Soldato P. *Antioxidant activity of a nitro derivative of aspirin against ischemia reperfusion in hamster cheek pouch microcirculation*. Am J Physiol Gastrointest Liver Physiol. **2003**.
- Bertuglia S, Giusti A, Picano E. *Effects of diagnostic cardiac ultrasound on oxygen free radical production and microvascular perfusion during ischemia reperfusion*. Ultrasound in Med & Biol. **2004**. 30 (4): 549–557.
- Bertuglia S, Giusti A. *Influence of ACTH-(1-24) and plasma hyperviscosity on free radical production and capillary perfusion after hemorrhagic shock*. Microcirculation. **2004**. 11 (3): 227–238.
- Bertuglia S, Giusti A. *Microvascular oxygenation and oxidative stress during postischemic reperfusion*. Section 3 Physiology -1. S3-3, ISOTT, New York, August 16-21, 2003. **2004**. IN PRESS.
- Bertuglia S, Giusti A. *Microvascular oxygenation, oxidative stress, NO suppression and superoxide dismutase during postischemic reperfusion*. Am J Physiol Heart Circ Physiol. **2003**. 285 (3): H1064–H1071.
- Bertuglia S, Giusti A. *Role of nitric oxide in capillary perfusion and oxygen delivery regulation during systemic hypoxia*. Am J Physiol Heart Circ Physiol. **2005**. 288 (2): H525–H531.
- Bertuglia S, Veronese FM, Pasut G. *Polyethylene glycol and a novel developed polyethylene glycol-nitric oxide normalize arteriolar response and oxidative stress in ischemia-reperfusion*. Am J Physiol Heart Circ Physiol. **2006**. 291: H1536–H1544.
- Bin-Jaliah I. *Comparison of glutathione peroxidase activity and free radicals production in the lungs and the brain of rats during graded hyperoxia*. J Med Sci. **2008**. 8(1): 54–61.
- Bin-Jaliah I, Dallak M, Haffor A. *Effect of hyperoxia on the ultrastructural pathology of alveolar epithelium in relation to glutathione peroxidase, lactate dehydrogenase activity, and free radical production in rats, rattus norvigicus*. Ultrastructural Pathology. **2009**. Vol.33 (3): 112–122.
- Bloom H.L, Shukrullah I, Veledar E, Gutmann R, London B, Dudley S.C. jr. *Statin decrease oxidative stress and ICD therapies*. Cardiology research and Practice. **2010** ID 253803, 7. doi: 10.4061/253803.
- Bocca B, Forte G, Petrucci F, Pino A, Marchione F, Bomboi G, Senofonte O, Giubilei F, Alimonti A. *Monitoring of chemical elements and oxidative damage in patients affected by Alzheimer's disease*. Ann Ist Super Sanità. 41 (2): 197–203.
- Bonanni A, Campanella L, Gatta T, Gregori E, Tomassetti M. *Evaluation of the antioxidant and prooxidant properties of several commercial dry spices by different analytical methods*. Food Chemistry. **2007**. 102(3): 751–758.
- Bondanini F, Palumbo R, Cocciolillo GC, Fumagalli E, Galliani M, Calabria S, Paone A, Fusco A. *The evaluation of malnutrition-inflammation complex and oxidative stress in haemodialysed patients* [original title "Valutazione del complesso malnutrizione-inflammatione e dello stress ossidativo in soggetti emodializzati"]. Biochimica Clinica. **2005**. 29 (2): 258.
- Bonina FP, Leotta C, Scalia G, Puglia C, Trombetta D, Trincali G, Roccazzello AM, Rapisarda P, Saija A. *Evaluation of oxidative stress in diabetic patients after supplementation with a standardised red orange complex*. Diab Nutr Metab. **2002**. 15: 14–19.
- Bonina F, Puglia C, Saija A, Trombetta D, Vanella A, Russo A, Rapisarsa P, Cornelli U, Trincali G, Insirello E, Ferro M. *Health properties of Sicilia's red oranges: an elisir of Etna volcano* [original title "Proprietà salutistiche delle arance rosse di Sicilia: un elisir dell'Etna"]. L'integratore nutrizionale. **2002**. 4: 7–15.
- Bonisoli-Alquati A, Pape Moller A, Rudolfsen G, Saino N, Caprioli M, Ostermiller S, Mousseau T.A. *The effect of radiation on sperm swimming behavior depend on plasma oxidative status in the barn swallow (Hirundo rustica)*. **2011**. Comparative Bio-

chemistry and Physiology. Article in press DOI: 10.1016/j.cbpa.2011.01.018.

Bordoni A, Danesi F, Malaguti M, Di Nunzio M, Pasqui F, Maranesi M, Biagi PL. *Dietary Selenium for the counteraction of oxidative damage: fortified foods or supplements?* British Journal of Nutrition. **2007**. Doi: 10.1017/S0007114507793911.

Bracciale PB, Bellanova S, Castagnaro A, Scoditti C, Valerio G. *Alveolar macrophage activity and its correlation with burden of reactive oxygen species in bronchoalveolar fluid and in the serum of patients affected by chronic obstructive pulmonary disease III-IV GOLD stage*. Chest. **2009**. IN PRESS.

Braconi D, Bernardini G, Fiorani M, Azzolini C, Marzocchi B, Proietti F, Collodel G, Santucci A. Oxidative damage induced by herbicides is mediated by thiol oxidation and hydroperoxides production. **2010**. Free radical research. Aug. Vol.44 (8):891-906. DOI: 10.3109/10715762.2010.489111.

Brambilla G, Ballerini A, Civitareale C, Fiori M, Neri B, Cavallina R, Nardoni A, Riannetti L. *Oxidative stress as a bio-marker of estrogen exposure in healthy veal calves*. Analytica Chimica Acta. **2003**. 483: 281–288.

Brambilla G, Cantafora A. *Metabolic and cardiovascular disorders in highly inbred lines for intensive pig farming: how animal welfare evaluation could improve the basic knowledge of human obesity*. Ann Ist Super Sanità. **2004**. 40 (2): 241–244.

Brambilla G, Civitareale C, Ballerini A, Fiori M, Amadori M, Archetti LI, Regini M, Betti M. *Response to oxidative stress as a welfare parameter in swine*. Redox Rep. **2002**. 7 (3): 159–163.

Brambilla G, De Filippis S. *Evaluation of oxidative stress in animals for human nourishment* [original title "Valutazione dello stress ossidativo negli animali da reddito"]. Rapporti ISTISAN. **2005**. 5(40): 100–106.

Brambilla G, Fiori M, Archetti LI. *Evaluation of the oxidative stress in growing pigs by microplate assays*. J Vet Med A. **2001**. 48: 33–38.

Buico A, Cassino C, Ravera M, Betta PG, Osella D. *Oxidative stress and total antioxidant capacity in human plasma*. Redox Re. **2009**. 14(3): 125–131.

Buonocore G, Perrone S, Longini M, Paffetti P, Vezzosi P, Gatti MG, Bracci R. *Non protein bound iron as early predictive marker of neonatal brain damage*. Brain. **2003**. 126 (5): 1224–1230.

Buonocore G, Perrone S, Longini M, Terzuoli L, Bracci R. *Total hydroperoxide and advanced oxidation protein products in preterm hypoxic babies*. Pediatric Research. **2000**. 47 (2): 221–224.

Buonocore G, Perrone S, Longini M, Vezzosi P, Marzocchi B, Paffetti P, Bracci R. *Oxidative stress in preterm neonates at birth and on the seventh day of life*. Pediatric Research. **2002**. 52 (1): 46–49.

Burke NC. *Assessment of redox markers in cattle*. Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of Master of Science in Biomedical and Veterinary Sciences. **2007**.

Calamari – Criscuolo

Calamari L, Abeni F, Bertin G. *Metabolic and hematological profiles in mature horses supplemented with different selenium sources and doses*. **2009**. Journal of animal science. 2010.88:650-659 DOI: 10.2527/jas.2009-1855.

Calza F, Abeni F, Calamari L, Pirlo G. *Effects of automatic milking system on some plasma parameters related to oxidative status in primiparous dairy cows*. Ital J Anim Sci. **2005**. 4 (Suppl. 2): 209–211. Campanella L, Bonanni A, Gatta T, Gregori E, Tomassetti M. *Evaluation of the antioxidant properties of various common spices by means of different analytical methods* [original title "Valutazione delle proprietà antiossidanti di numerose specie commerciali per mezzo di diversi metodi analitici"]. Proceedings XIX Congresso di Chimica Analitica, Cagliari (Italy). 2005, 11 – 15 September. **2005**.

Campanella L, Gregari E, Marini F, Tomassetti M. *Biosensors, colorimetric tests and chemometrics to check antioxidant and prooxidant properties of several animal feeds*. J Food Agriculture Environment (JFAE). **2008**. 6(3/4): 326–332.

Campise M, Bamonti F, Novembrino C, Ippolito S, Tarantino A, Cornelli U, Lonati S, Cesana BM, Ponticelli C. *Oxidative stress in kidney transplant patients*. Transplantation. **2003**. 76 (10): 1474–1478. Campise M, Tarantino A, Bamonti F, Novembrino C, Ippolito S, Lonati S, Montanino G, Ponticelli C, Cornelli U. *Oxidative status in kidney transplantation*. **2002**. MEETING COMMUNICATION.

Canestrari F, Benedetti S. *Validation of a patented method to determinate the antioxidant capacity of human saliva based on the reduction of iron*. Carlo Bo University of Urbino, Research project **2010**. Clinical Biochemistry Department.

Canziani W. *Free radicals, as a killer of youth and health* [original title "Radicali liberi. Killer di giovi-

nezza e salute"]. *Antiaging*. **2005**. 3: 43–45. *POPULAR ARTICLE*.

Capunzo M, Iorio EL, Cavallo P. *Correlation between oxidative stress and plasma lipids levels: results of a preliminary study* [original title "Correlazione fra stress ossidativo e livello di lipidi plasmatici: risultati di uno studio preliminare"]. *I Quaderni dell'Università di Salerno*. **2001**. 91–102.

Carapelli S, Morgante L, Epifanio A, Vanacore N, Mecco G, Marconi R. *Serum hydroperoxides are markers of oxidative stress in the Parkinson's disease* [original title "Gli idroperossidi sierici sono un marker di stress ossidativo nella malattia di Parkinson"]. *Proceedings XXXI Congresso Nazionale LIMPE. Comorbilità nel Parkinson, nei parkinsonismi e nelle demenze. Abano Terme (Padua, Italy)*. **2004**.

Cardini G, Pasquini A, Luchetti E, Marchetti V, Voltini B. *Free radicals oxygen (d-ROMs test) and Biological Antioxidant Potential (BAP test) assessment in serum: dog's reference ranges* [original title "La determinazione dei radicali liberi dell'ossigeno (d-ROMs test) e del potenziale antiossidante biologico (BAP test) nel siero: intervalli di riferimento nella specie canina"]. *Proceedings LIX Convegno Nazionale – Società Italiana delle Scienze Veterinarie Viareggio (Italy)*. 2005, 21 – 24 September. **2005**. 331–332.

Carletti M, Cantiello M, Giantin M, Nebbia C, Cannizzo FT, Bollo E, Da casto M. *Serum antioxidant enzyme activities and oxidative stress parameters as possible biomarkers of exposure in veal calves illegally treated with dexamethasone*. *Toxicology in Vitro*. **2007**. 21: 277–283.

Carlucci F, Tabucchi A, Biagioli B, Simeone F, Scolletta S, Rosi F, Marinello E. *Cardiac surgery: myocardial energy balance, antioxidant status and endothelial function after ischemia–reperfusion*. *Biomed Pharmacother*. **2002**. 56: 483–491.

Carratelli M, Iorio EL. *Potential usefulness of oxidative stress in nutrition and food supplementation*. *Proceedings IV Greek Congress on Free Radicals and Oxidative Stress*. October, 7–10, 2004. Larissa, Greece. **2004**. P. 15.

Carratelli M, Iorio EL, Bianchi L. *Methods to measure the oxidative stress* [original title "Metodi di misurazione dello stress ossidativo"]. *ADI Magazine*. **2006**. 4 (10): 405–414.

Carratelli M, Porcaro R, Ruscica M, De Simone E, Bertelli AAE, Corsi MM. *Reactive Oxygen Metabolites (ROMs) and prooxidant status in children with Down Syndrome*. *International Journal of Clinical Pharmacology Research*. **2001**. 21 (2): 79–84.

Carratelli M, Spagnoli U, De Toma G, Guerreschi F, D'Ascenzio G. *Application of a new method to evaluate oxidative damage in patients treated with ozone-therapy* [original title "Applicazione di un nuovo metodo per la valutazione del danno ossidativo in pazienti trattati con ozonoterapia"]. **1999**. *CLINICAL REPORT*.

Casale GR. *Assessment of solar UV exposure in the Italian population*. PhD Thesis in Biophysics. XIX Cycle (2004–2006). Università "La Sapienza". Rome (Italy). **2004**.

Casale GR, Siani AM, Colosimo A. *Polysulphone dosimetry: a tool for personal exposure studies*. *Biophys & Bioeng Letters*. **2009**. 2(1): 1–14.

Cases N, Sureda A, Maestre I, Tauler P, Aguilo A, Cordova A, Roche E, Tur JA, Pons A. *Response of antioxidant defences to oxidative stress induced by prolonged exercise: antioxidant enzyme gene expression in lymphocytes*. *Eur J Appl Physiol*. **2006**. 98: 263–269.

Castellini C, Boiti C, Dal Bosco A, Lattaioli P, Zampini D. *Effect of the adding of n-3 fatty acids and vitamin E on the characteristics of the semen of rabbits having different ages* [original title "Effet de l'ajout d'acides gras n-3 et de vitamine E sur les caractéristiques de la semence de lapin d'ages différents"]. **2003**. *IN PRESS*.

Castellini C, Dal Bosco A, Bernardini M. *Effect of dietary α -tocopheryl acetate and ascorbic acid: vitamin content and oxidation status of rabbit semen*. *Reproduction and Reproductive Physiology*. **2002**. 105–109.

Castellini C, Dal Bosco A, Mugnai C, Bernardini M. *Performance and behavior of chickens with different growing rate reared according to the organic system*. *Ital Anim Sci*. **2002**. 1: 291–300.

Castellini C, Lattaioli P, Dal Bosco A, Minelli A, Mugnai C. *Oxidative status and semen characteristics of rabbit buck as affected by dietary vitamin E, C and n-3 fatty acids*. *Reprod Nutr Dev*. **2003**. 43 (1): 91–103.

Castellini C, Mugnai C, Dal Bosco A. *Meat quality of three chicken genotypes reared according to the organic system*. *Ital J Food Sci*. **2002**. 4 (14): 401–412.

Castellini C, Mugnai C, Dal Bosco A, Palozzo M, Scuota S. *Behavioural aspects, productive performances and egg quality in chickens reared according to the organic system* [original title "Aspetti comportamentali, prestazioni produttive e qualità

dell'uovo in galline allevate con il metodo biologico"]. *Avicoltura*. **2004**. 3: 41–44.

Cavalca V, Sigillo E, Veglia F, Tremoli E, Cighetti G, Salvi L, Sola A, Mussoni L, Biglioli P, Folco G, Sala A, Parolari A. *Isoprostanes and oxidative stress in off-pump and on-pump coronary bypass surgery*. *Ann Thorac Surg*. **2006**. 81 (2): 562 – 567.

Cavalleri A, Colombo C, Venturelli E, Miceli R, Mariani L, Cornelli U, Pala V, Berrino F, Secreto G. *Evaluation of reactive oxygen metabolites in frozen serum samples. Effect of storage and repeated thawing*. *Int J Biol Markers*. **2004**. 19: 250–253.

Cavallini M, Iorio EL. *Effect of training and antioxidant supplementation on oxidative balance in martial arts*. *Journal of Molecular and Clinical Pathology*. **2007**. 2: 14-15.

Cazzola R, Rondanelli M, Trotti R, Camerotto C, Cestaro B. *Oxidative state and lipid composition of plasma from overweight and moderately obese women*. *Mediterr J Nutr Metab*. **2008**. 1: 19–24.

Celi P. *Biomarkers of oxidative stress in ruminant medicine*. *Immunopharmacology and Immunotoxicology*. **2010**. 1-8 DOI: 10.3109/08923973.2010.514917.

Celi P. *The role of oxidative stress in small ruminants health and production*. *Revista Brasileira de zootecnia*. **2010**. Vol. 39, p. 348-363.

Celi P, Di Trana A, Claps S. *Effects of plane of nutrition on oxidative stress in goats during the peripartum period*. *The Veterinary Journal*. **2010**. 184 (2010) 95-99 . DOI: 10.1016/j.tvjl.2009.01.014.

Celi P, Di Trana A, Quaranta A. *Metabolic profile and oxidative status in goats during the peripartum period*. *Australian Journal of Experimental Agriculture*. **2008**. 48(7): 1004–1008.

Celi P, Herman W, *Effects of Yerba mate (Ilex paraguariensis) supplementation on the productive performance of dairy cows during mid-lactation*. *Animal production science*. **2010**. 50, 339-344.

Celi P, Sullivan M, Evans D. *The stability of the reactive oxygen metabolites (d-ROMs) and biological antioxidant potential (BAP) tests on stored horse blood*. *The Veterinary Journal*. **2008**. Doi:10.1016/j.tvjl.2008.09.018.

Cella G, Marchetti M, Vignoli A, Randi ML, Saggiolato G, Pasetto L, Pagnan A, Barbui T, Falanga A. *Blood oxidative status and selectins plasma levels in healthy donors receiving granulocyte-colony stimulating factor*. *Leukemia*. **2006**. 20 (8): 1430–1434.

Cesarone MR, Belcaro G, Carratelli M, Cornelli U, De Sanctis MT, Incandela I, Barsotti A, Terranova R, Nicolaides A. *A simple test to monitor oxidative stress*. *International Angiology*. **1999**. 18 (2): 127–130.

Cesarone MR, Di Renzo A, Erpichi S, Schönla F, Wilmer JL, Blumenfeld J. *Improvement in circulation and in cardiovascular risk factors with a proprietary isotonic bioflavonoid formula OPC-3™*. *Angiology*. **2008**. 59(4): 408–414.

Cesarone MR, Grossi MG, Di Renzo A, Errichi S, Schönla F, Wilmer JL, Lange M, Blumenfeld J. *Accelerated antioxidant bioavailability of OPC-3™ bioflavonoids administered as isotonic solution*. *Phytother Res*. **2009**. DOI: 10.1002/ptr.2651 PP 1-3.

Cesarone MR, Incandela L, De Sanctis MT, Belcaro G, Dugall M, Acerbi G. *Variations in plasma free radicals in patients with venous hypertension with HR (Paroven, Venoruton; 0-(beta-hydroxyethyl)-rutosides): a clinical, prospective, placebo-controlled, randomized trial*. *J Cardiovasc Pharmacol Ther*. **2002**. 7 (Suppl 1): S25–S28.

Ceylan E, Dülger H, Uzun K. *Tüberküloz Plörezilerde Plevra SIVIsi Reaktif Oksijen Metabolitlerinin Tanisal Deęeri*. *Toraks Derisi*. **2003**. 4 (1): 33–37.

Ceylan E, Gulsun A, Gencer M, Aksoy N. *A new parameter in the detection of tuberculosis activity: reactive oxygen metabolites*. *Respiration*. **2005**. 72 (2): 156 – 159.

Chang-Hu H, Hyun-Joo C, Dong-Seok K. *Evaluation of free oxygen radical and antioxidant capacity in Alopecia Areata*. *The Journal of dermatology*. **2010** Vol.37, issue 8: 762-764.

Chen Y, Hanaoka M, Chen P, Droma P, Voelkel NF, Kubo K. *Protective effect of beraprost sodium, a stable prostacyclin analogue, in the development of cigarette smoke extract-induced emphysema*. *Am J Physiol Lung Cell Mol Physiol*. **2009**. doi:10.1152/ajplung.90270.2008.

Chen Y, Hanaoka M, Droma Y, Chen P, Voelkel NF, Kubo K. *Endothelin-1 receptor antagonists prevent the development of pulmonary emphysema in rats*. *Eur Respir J*. **2009**. DOI:10.1183/09031936.00003909

Chew P, Yuen D, Stefanovic N, Pete J, Coughlan M.T, Jandeleit-Dahm K.A, Thomas M.C, Rosenfeldt F, Cooper M.E, De Haan J.B. *Antiatherosclerotic and renoprotective effect of ebselen in the diabetic apolipoprotein E/GPx1-double knockout mouse*. *Di-*

abetes Journals. **2010** Vol.59 doi:10.2337/db10-0195.

Christou K, Kostikas K, Pastaka C, Tanou K, Antoniadou I, Gourgoulianis KI. *Nasal continuous positive airway pressure treatment reduces systemic oxidative stress in patients with severe obstructive sleep apnoea syndrome*. Sleep Med. **2007**. [December; Epub ahead of print; PMID: 18077211].

Christou K, Markoulis N, Moulas AN, Pastaka C, Gourgoulianis KI. *Reactive Oxygen Metabolites (ROMs) as an Index of Oxidative Stress in Obstructive Sleep Apnea Patients*. Sleep Breath. **2003**. 7 (3): 105–110.

Christou K, Moulas AN, Pastaka C, Gourgoulianis KI. *Antioxidant capacity in obstructive sleep apnea patients*. Sleep Medicine. **2003**. 4: 225–228.

Ciancaglini G, Golato M, Pupillo M, De Luca A, Di Sciascio C, Di Cintio L, Turchi C. *Glucose-metabolic balance and oxidative stress in patients with type-2 diabetes: a preliminary study* [original title "Equilibrio glicometabolico e stress ossidativo in pazienti con diabete tipo II: studio preliminare"]. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 173.

Cighetti G, Paroni R, Marzorati S, Borotto E, Giudici R, Magnanini G, Iapichino G. *Evaluation of oxidative stress in serum of critically ill patients by a commercial assay and gas chromatography-mass spectrometry*. Clin Chem. **2005**. 51 (8): 1515–1517.

Cloete PW. *Clinical applications of free radicals*. **2002**. CASE REPORT.

Cloete PW. *The significance of free radicals in clinical practice*. **2002**.

Cogo R, Pellegrino C, Ripoli RC, Fonte L, Schieppati S, Scivoletto G. *Free radical plasma levels in elderly: influencing factors* [original title "I livelli plasmatici dei radicali liberi nell'anziano: fattori di controllo"]. G Gerontol. **2005**. 53: 79–86.

Cogo R, Ramponi A, Motta T. *COPD, pulmonary and systemic disease: dose-dependent efficacy of N-acetylcysteine on the disease evolution. A controlled clinical trial on a female population* [original title "BPCO, patologia polmonare e sistemica: efficacia dose dipendente della n-acetilcisteina sull'evoluzione della malattia. Studio clinico controllato su una popolazione di sesso femminile]. Riv It Ost Gin. **2004**. 2: 1–11.

Colombo C, Muti P, Pala V, Cavalleri A, Venturelli E, Locardi M, Berrino F, Secreto G. *Plant-based diet, serum fatty acid profile, and free radicals in post-*

menopausal women: the diet and androgens (DIANA) randomized trial. Int J Biol Markers. **2005**. 20 (3): 169 – 176.

Colombo C, Muti P, Pala V, Cavalleri A, Venturelli E, Locardi M, Berrino F, Secreto G. *Plant-based diet, serum fatty acid profile, and free radicals in postmenopausal women: the diet and androgens (DIANA) randomized trial*. Int J Biol Markers. **2006**. 61–63. REPLY OF AUTHORS.

Comi D, Baronzio GF, Vecchio G, Zimbelli A, Cargnel A, Ferrario R, Galante F, Barlocco A, Pravettoni G. *Oxygen radicals, antioxidant vitamins and minerals in AIDS cachexia*. Nutrition. **1997**. 13 (3): 272.

Comi D, Brugnani M, Baronzio GF, Zimbelli A Barlocco A, Pravettoni G, Toma G, Vecchio C. *Free radicals and oxidative status in cachectic patients with AIDS* [original title "Radicali liberi e stato ossidativo in pazienti con cachessia da AIDS"]. Proceedings Second International Conference on nutrition and HIV infection. April 23–25, 1997. Cannes, France. **1997**. P. 253.

Conti P, Cerretini C, Oliviero C, Rossetti M, Tosi P, Bandini S, Salvadori M. *Lipoperoxidation and oxygen free radicals: blood changes in haemodialysis and haemofiltration* [original title "Lipoperossidazione e radicali liberi dell'ossigeno: variazioni ematiche in emodialisi ed emodiafiltrazione"]. Giornale Italiano di Nefrologia. **1998**. 15 (3): 1–2.

Cordara R. *"Oxidative status" assessment in clinical practice* [original title "La valutazione dello stato ossidativo nella pratica clinica"]. Biochimica Clinica. **2002**. 26 (5–6): 415–418.

Cornelli U. *Antioxidants*. In Textbook of interventional cardiovascular pharmacology. Eds Kipshidze NN, Fareed J, Moses JW, Serruys PW. Informa Health Care. **2007**. 211–239.

Cornelli U. *Oxidation and antioxidant*. Scientific basis of physiological regulating medicine. Seminar at Loyola University Chicago. **2007**. 1–17.

Cornelli U. *Antioxidant use in nutraceuticals*. Clin Dermatol. **2009**. 27(2): 175–194.

Cornelli U, Belcaro G. *Oxygen free radicals: a method, a product, an application* [original title "Radicali liberi di ossigeno: un metodo, un prodotto, un'applicazione"]. Proceedings XXIV National Congress of Italian Society of Pathology. June 24–27, 1998. Siena, Italy. **1998**. P. 83.

Cornelli U, Belcaro G, Cesarone MR, Cornelli M. *Oxidative stress and related diseases* [original title: Stress ossidativo e patologie correlate]. Proceed-

ings www.bambinoprogettosalute.it. 2004, 24th-25th June. Ancona, Italy. **2004**. Pp. 33–38.

Cornelli U, Belcaro G, Cesarone MR, Cornelli M, Ledda A. Polyglucosamine – The action on oxidised lipids and dyslipidemias [original title "*Poli-glucosamina – Azione su lipidi ossidati e dislipidemie*"]. *La Medicina Biologica*. **2006**. 1: 3–7.

Cornelli U, Belcaro G, Cesarone MR, Cornelli M, Ledda A. *Polyglucosamine - action on oxidised lipids and dyslipidemias*. *Physiologic Regulating Medicine*. **2006**. 1: 25–29.

Cornelli U, Belcaro G, Finco A. *The oxidative stress balance measured in human with different markers, following a single oral antioxidants supplementation or a diet poor of antioxidants*. **2011** *Journal of Cosmetics, Dermatological Sciences and Applications*, 64-70. doi: 10.4236/jcdsa2011.13011.

Cornelli U, Belcaro G, Dugall M, Hosoi M, Grossi M.G, Ippolito E, Ledda A, Ruffini I. *Action of antioxidant complex on the antioxidant power of saliva*. *Panminerva Medica*. **2010**;52(Suppl.1 to n°2):1-5

Cornelli U, Berra B, Frega N.G. *I modulatori fisiologici*. **2010**. *Progress in nutrition*. Vol. 12 (2): 99-105. 2010.

Cornelli U, Bonina F, Valsasina T, Cornelli M. *Attività antiossidante del Red Orange*. *Progress in Nutrition*. **2000**. 2(1): 1–7.

Cornelli U. *Innovative concepts in the oxidative stress field: the physiologic modulators* [original title "*Concetti innovativi nel settore dello stress ossidativo: i modulatori fisiologici*"]. *ACSA Magazine*. **2008**.

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *Ageing and free radicals* [original title "*Invecchiamento e radicali liberi*"]. *Progress in Nutrition*. **2000**. 3: 37–50.

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *The importance of oxidative stress as a risk factor for morbidity* [original title "*Importanza dello stress ossidativo come fattore di rischio per la morbilità*"]. *La Medicina Biologica*. **2000**. 1: 13–18.

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *The importance of oxidative stress as a risk factor for morbidity*. *La Medicina Biologica*. **2004**. 1: 13–18.

Cornelli U, Cornelli M, Terranova R, Luca S. *The specific importance of antioxidants in diet supplementation* [original title "*L'importanza specifica degli antiossidanti nella supplementazione dietetica*"]. *Proceedings 2th SENB Congress*. **2000**. 18–23.

Cornelli U, Cornelli M, Terranova R. *Free-radical and vascular diseases*. *The International Union of Angiology's Bulletin*. **1999**. 15: 7–10.

Cornelli U, Iorio EL. *The antioxidants. Therapeutic and diagnostic aspects* [original title: "*Antiossidanti. Aspetti terapeutici e diagnostici*"]. *Guna Ed. Book*. **2007**.

Cornelli U, Terranova R, Luca S, Cornelli M, Alberti A. *Bioavailability of some food supplementations in men and women using the d-ROMs test as a marker of oxidative stress*. *J Nutr*. **2001**. 131: 3208–3211.

Cornelli U, Terranova R, Luca S, Cornelli M, Alberti A. *Bioavailability of some food supplementations in men and women using the d-ROMs test as a marker of oxidative stress* [original title "*Biodisponibilità ed attività antiossidante di alcuni supplementi nutrizionali. Test d-ROMs: marker dello stress ossidativo*"]. *La Medicina Biologica*. **2002**. 2: 35–40.

Cornelli U, Terranova R, Luca S, Di Mauro C, Cornelli M. *Oxidative stress and senile dementia* [original title "*Lo stress ossidativo e la demenza senile*"]. *La Medicina Biologica*. **2001**. 3: 11–15.

Cornelli U. *Treatment of Alzheimer's disease with a cholinesterase inhibitor combined with antioxidants*. *Proceedings Alzheimer's and Parkinson's disease: advances, concepts and new challenges*. 9th International Conferences AD/PP. Prague, Czech Rep. March, 11–15, 2009. **2009**.

Corsi MM, Fulgenzi A, Gualandri V, Ferrero ME, Gaja G. *Free radicals, ROS, and lipoperoxides, LPO, in blood plasma of children with 21 trisomy syndrome* [original title "*Radicali liberi, ROS, e lipoperossidi, LPO, nel plasma di bambini con trisomia 21*"]. *Proceedings 49th National AIPaC Congress*. May 11–14, 1999. Naples, Italy. **1999**. P. 31.

Corsi MM, Pagani D, Iorio EL, Dogliotti G, Verna R, Sambataro G, Pignataro L. *Blood reactive oxygen metabolites (ROMs) and total antioxidant status (TAS) in patients with laryngeal squamous cell carcinoma after surgical treatment*. *Clin Chem Lab Med*. **2006**. 44(8): 1047–1048.

Costantini D, Bonadonna F. *Patterns of variation of serum oxidative stress markers in two seabird species*. *Polar Research*. **2009**. IN PRESS.

Costantini D, Cardinale M, Carere C. *Oxidative damage and anti-oxidant capacity in two migratory bird species at a stop-over site*. *Comparative Biochemistry and Physiology. Part C*. **2007**. 144: 363–371.

- Costantini D, Carere C, Caramaschi D, Koolhaas JM. *Aggressive and non-aggressive personalities differ in oxidative status in selected lines of mice (Mus musculus)*. Biol Lett. **2008**. 4(1): 119–122.
- Costantini D, Casagrande S, De Filippis S, Brambilla G, Fanfani A, Tagliavini J, Dell’Omo G. *Correlates of oxidative stress in wild kestrel nestlings (Falco tinnunculus)*. J Comp Physiol [B]. **2006**. 176(4):329–337.
- Costantini D, Casagrande S, Dell’Omo G. *MF magnitude does not affect body condition, pro-oxidants and anti-oxidants in Eurasian kestrel (Falco tinnunculus) nestlings*. Environ Res. **2007**. 104(3): 361–366.
- Costantini D, Coluzza C, Fanfani A, Dell’Omo G. *Effects of carotenoid supplementation on colour expression, oxidative stress and body mass in rehabilitated captive adult kestrels (Falco tinnunculus)*. J Comp Physiol [B]. **2007**. 177(7): 723–731.
- Costantini D, Dell’Araccia G, Lipp HP. *Long flights and age affect oxidative status of homing pigeons (Columba livia)*. J Exp Biol. **2008**. 211 (Pt 3): 377–381.
- Costantini D, Dell’Omo G, De Filippis PS, Marquez C, Snell H, Snell H, Tapia W, Brambilla G, Gentile G. *Temporal and spatial covariation of gender and oxidative stress in Galápagos land iguana Conolophus subcristatus*. Physiological and Biochemical Zoology. **2009**. 82(5): 430–437.
- Costantini D, Dell’Omo G. *Effects of T-cell-mediated immune response on avian oxidative stress*. Comp Biochem Physiol A Mol Integr Physiol. **2006**. 145(1): 137–142.
- Costantini D, Dell’Omo G. *Environmental and genetic components of oxidative stress in wild kestrel nestlings (Falco tinnunculus)*. J Comp Physiol [B]. **2006**. 176(6): 575–579.
- Costantini D, Fanfani A, Dell’Omo G. *Carotenoid availability does not limit the capability of nestling kestrels (Falco tinnunculus) to cope with oxidative stress*. The Journal of Experimental Biology. **2007**. 210: 1238–1244.
- Costantini D, Fanfani A, Dell’Omo G. *Effects of corticosteroids on oxidative damage and circulating carotenoids in captive adult kestrels (Falco tinnunculus)*. J Comp Physiol B. **2008**. DOI 10.1007/s00360-008-0270.
- Costantini D, Lipp H-P. *Short restraint time does not influence markers of serum oxidative stress in homing pigeons (Columba livia)*. Journal of Animal Physiology and Animal Nutrition. **2009**. IN PRESS.
- Costantini D, Møller AP. *Does immune response cause oxidative stress in birds? A meta-analysis*. Comparative Biochemistry and Physiology, Part A. **2009**. 153: 339–344.
- Costantini D. *Oxidative stress in ecology and evolution: lessons from avian studies*. Ecology Letters. **2008**. 11: 1–14.
- Costantini D, Verhulst S. *Does high antioxidant capacity indicate low oxidative stress?* Functional Ecology. **2009**. 23(3): 506–509.
- Costantino M, Nappi G, Contaldi E, Lampa E. *Efficacia della fango balneoterapia dulfurea nella psoriasi: studio clinico-sperimentale*. Medicina Clinica Termale **2005**;28:127-1
- Costantino M, Contaldi E, Di Capua M, Lampa E. *Antioxidant capacity of hydropinotherapy with sulphuric mineral water* [original title “Capacità antiossidante dell’idropinoterapia con acqua minerale sulfurea”]. REPORT Centro Ricerche e Studi Termali (Ce.Ri.S.T.). **2007**.
- Costantino M, Filippelli A. *Efficacy of thermal therapy in osteoarthritis* [original title “Efficacia della terapia termale nell’osteoartrosi.”]. Eur Med Phys. **2008**. 44(Suppl. 1 to No. 3): 1–3.
- Costantino M, Giacomelli A, Nappi G. *Cave thermal therapy, antioxidant effect and osteoarthrosis* [original title “Antroterapia naturale caldo-umida, stress ossidativo ed osteoartrosi”]. REPORT Centro Ricerche e Studi Termali (Ce.Ri.S.T.). **2007**.
- Costantino M, Giuberti G, Caraglia M, Lombardi A, Misso G, Abbruzzese A, Ciani F, Lampa E. *Possible antioxidant role of SPA therapy with chlorinesulphur-bicarbonate mineral water*. Amino Acids. **2009**. 36(2): 161–165.
- Costantino M, Norel X, Brink C, Nappi G, Lampa E, Rossi F, Filippelli A. *Sulphur mud-bath therapy in treatment of osteoarthrosis: possible antioxidant role*. Proceedings MEETING GREMI 2007. OXIDATIVE STRESS & INFLAMMATION. 2007, January 26. Pasteur Institute. Paris, France. **2007**. Pp. 14. A8.
- Cova E, Bongioanni P, Cereda C, Galli A, Corato M, Rossi B, Ceroni M. *Decreased levels of reactive oxygen species, SOD1 expression and activity in peripheral tissues of sporadic amyotrophic lateral sclerosis patients*. Amyotrophic Lateral Sclerosis. **2006**. 7 (Suppl 1): 161.

Coyle M. Efficacy assessment of CELLFOOD® by means of d-ROMs test. NuLife Sciences Company. Massachusetts. USA. **2004**. MEETING COMMUNICATION.

Crescentini F. *Cells communicate by a biochemical language but think by an electric-magnetic language* [original title: "Le cellule comunicano con un linguaggio biochimico ma pensano con un linguaggio elettromagnetico"] Proceedings I° Convegno Nazionale Società Italiana Biofisica Elettrodinamica. Campi magnetoelettrici. Nuove frontiere per la medicina. 2005, December 3rd. Bologna (Italy). **2005**. Pp. 26-41.

Criscuolo F, Font-Sala C, Bouillaud F, Poulin N, Tralbalon M. *Increased ROS production: a component of the longevity equativo in the male mygalomorph, Brachypelma albopilosa*. **2010**. PLoSone 2010 Oct 1;5 (10) pii.e13104.

D'Aiuto – du Plessis

D'Aiuto F, Nibali L, Parkar M, Suvan J, Iorio El, Donos N. *Oxidative stress and severe periodontitis*. Proceedings of Pan European Federation of the International Association for Dental Research Congress. September 10-12, 2008. London, United Kingdom. **2008**. 0274.

Dal Bosco A, Castellini C, Bianchi L, Mugnai C. *Effect of dietary linolenic acid and vitamin E on the fatty acid composition, storage stability and sensory traits of rabbit meat*. Meat Science. **2004**. 66: 407–413.

Dal Bosco A, Castellini C, Cardinali R. *Effect of dietary administration of rosemary extract on the oxidative stability of pigeon meat*. Ital J Food Sci. **2005**. 4 (17): 419–428.

Dal Bosco A, Castellini C, Mugnai C. *Rearing rabbits on a wire net floor or straw litter: behavior, growth and meat qualitative traits*. Livestock Production Science. **2002**. 75: 149–156.

D'Aiuto F, Nibali L, Parkar M, Patel K, Suvan J, Donos N. *Oxidative stress, sistemi inflammation, and severe periodontitis*. Journal of dental Research. **2010** Vol. 89 no. 111241-1246. doi: 1177/0022034510375830JDR.

D'Amicantonio T, Polizzi E, Iorio EL, Gherlone E. *Free radicals and antioxidants in the oral cavity* [original title "Radicali liberi e antioossidanti nel cavo orale. Un delicato equilibrio"]. Prevenzione odontostomatologica. **2009**. 1: 3–15.

Danesi F, Malaguti M, Nunzio MD, Maranesi M, Biagi PL, Bordoni A. *Counteraction of adriamycin-induced oxidative damage in rat heart by selenium dietary*

supplementation. J Agric Food Chem. **2006**. 54 (4): 1203 – 1208.

Dani C, Costantino ML, Martelli E, Corno C, Fiore GB, Buonocore G, Longini M, Di Filippo A, Tozzini S, Rubaltelli FF. *Perfluorocarbons attenuate oxidative lung damage*. Pediatr Pulmonol. **2003**. 36 (4): 322–329.

Dani C, Martelli E, Bertini G, Pezzati M, Rossetti M, Buonocore G, Paffetti P, Rubaltelli FF. *Effect of blood transfusions on oxidative stress in preterm infants*. Arch Dis Child Fetal Neonatal Ed. **2004**. 89 (5): F408–F411.

Dani C, Martelli E, Bestini G, Pezzati M, Filippi L, Rossetti M, Rizzati G, Rubaltelli FF. *Plasma bilirubin level and oxidative stress in preterm infants*. Arch Dis Child Fetal Neonatal Ed. **2003**. 88: F119–F123.

Dani C, Martelli E, Tronchin M, Buonocore G, Longini M, Di Filippo A, Giossi M, Rubaltelli FF. *Bilirubin influence on oxidative lung damage and surfactant surface tension properties*. Pediatric Pulmonology. **2004**. 38 (3): 179–185.

Dani C, Masini E, Bertini G, Di Felice AM, Pezzati M, Ciofini S, Rossetti M, Gallori G, Ciuti R, Buonocore G, Paffetti P, Mannaioni PF, Rubaltelli F. *Role of heme oxygenase and bilirubin in oxidative stress in preterm infants*. Pediatric Research. **2004**. 56 (6): 873–877.

Daniil ZD, Papageorgiou E, Koutsokera A, Kostikas K, Kiropoulos T, Papaioannou AI, Gourgoulisanis KI. *Serum levels of oxidative stress as a marker of disease severity in idiopathic pulmonary fibrosis*. Pulm Pharmacol Ther. **2008**. 21(1): 26–31.

Daniil Z, Papageorgiou E, Koutsokera A, Papadopoulos D, Kiropoulos T, Kostikas K, Gourgoulisanis K. *Plasma level of total hydroperoxide (TH) as a marker of oxidative stress seems to be a useful index of disease severity in patients with idiopathic pulmonary fibrosis (IPF)*. European Respiratory Journal (ERJ). **2005**. S49: 335S.

Da Vela G, Casini MC, Della Lena R, Gozzi F. *From the theoretical research to clinical practice: free radicals in some pathological situations, usefulness, limits and perspectives* [original title "Dalla ricerca teorica alla pratica quotidiana: i radicali liberi in alcune situazioni patologiche, utilità, limiti e prospettive"]. Etruria Medica. **1995**. 2: 29–34.

Davis L, Stonehouse W, Loots DT, Mukuddem-Petersen J, van der Westhuizen FH, Hanekom SM, Jerling JC. *The effects of high walnut and cashew nut diets on the antioxidant status of subjects with*

- metabolic syndrome*. Eur J Nutr. **2007**. 46: 155–164.
- De Bernardi Di Valserra M, Iorio EL, Tripodi S, Pedroni F, Dogliotti G, Galliera E, Corsi MM. *Peripheral arterial occlusive disease and CO₂ balneotherapy: effect on free radicals release (ROMs) and total antioxidant status (TAS)*. Journal of Molecular and Clinical Pathology. **2007**. 4: 27–31.
- De Franceschi M, Cavalca V, Sisillo E, Cighetti G, Salvi L, Alamanni F, Tremoli E. *Oxidative stress in coronary surgery*. Proceedings 6th International symposium on global risk of coronary heart disease and stroke: assessment, prevention, and treatment. June 12–15, 2002. Florence, Italy. **2002**.
- De Franceschi M, Cighetti G, Alimento M, Boccotti L, Gregu S, Cavalca V. *Antioxidant capacity in coronary artery disease*. Proceedings 6th International symposium on global risk of coronary heart disease and stroke: assessment, prevention, and treatment. June 12–15, 2002. Florence, Italy. **2002**.
- De Franceschi M, Veglia F, Boccotti L, Caiani A, Sisillo E, Salvi L, Ravagnani P, Campodonico J, Tremoli E, Cavalca V. *Glutathione and coronary disease* [original title "Glutathione e malattia coronarica"]. Ital Heart J. **2002**. 3 (Suppl. 7): C543.
- de Klein OPM. *Cerebrale schade en oxidatieve stress bij coronaire arterie bypass grafting*. Hogeschool van Utrecht. Klinische Chemie E. Bruinhof. **2002**.
- De Martino D. Nutrition and feeding in exercise. Real need and abuse. [Original title "Nutrizione e alimentazione nella pratica sportiva"]. Fabbisogni reali ed abusi. Salutare. **2008**. 24. *Popular article*.
- De Prisco R, Attianese P, Lione D, Balestrieri C, Iorio EL. *Oxidative stress and serum lipids*. Proceedings 10th Congreso Italo-latinoamericano de Etnomedicina. September 23–28, 2001. Isla de Margarita, Venezuela. **2001**.
- De Prisco R, Veneziano A, Sarno C, Zambardino U, Attianese P. *Tomato San Marzano juice intake lowers the oxidative stress level in humans: a preliminary report*. ISHS Acta Horticulturæ. **2003**. P. 613.
- De Vecchi AF, Novembrino C, Lonati S, Ippolito S, Bamonti F. *Two different modalities of iron gluconate i.v. administration: effects on iron, oxidative and inflammatory status*. Nephrology dialysis transplantation. **2005**. 20 (Suppl. 5): v272.
- De Vecchi AF, Novembrino C, Lonati S, Ippolito S, Bamonti F. *Two different modalities of iron gluconate i.v. administration: effects on iron, oxidative and inflammatory status in peritoneal dialysis patients*. Nephrology Dialysis Transplantation. **2007**. 22(6): 1709–1713.
- Di Marco P, Priori A, Petochi T, Massari A, Mandich A, Finioia MG, Marino G. *Physiological and oxidative stress responses in sea bass Dicentrarchus Labrax exposed to environmental hypercapnia*. Proceedings EAS. **2006**.
- Di Trana A, Celi P, Claps S, Fedele V, Rubino R. *The effect of hot season and nutrition on the oxidative status and metabolic profile in dairy goats during mid lactation*. Animal Science. **2006**. 82: 717–722.
- Digiesi V, Fiorillo C, Cosmi L, Rossetti M, Lenuzza M, Guidi D, Pace S, Rizzuti G, Nassi P. *Reactive oxygen species and antioxidant status in essential arterial hypertension during therapy with dihydropyridine calcium channel antagonists*. Clin Ter **2000**. 151 (1): 15–18.
- Digiesi V, Oliviero C, Gianni V, Rossetti M, Fiorillo C, Oradei A, Lenuzza M, Nassi P. *Reactive metabolites of oxygen, lipid peroxidation, total antioxidant capacity and vitamin E in essential arterial hypertension*. Clin Ter. **1997**. 148 (11): 515–519.
- Di Marco P, Priori A, Finioia MG, Petochi T, Marino G, Lemarié G, Alexis M, Alberti A, Macciantelli D. *Plasma total oxidant/antioxidant status in Dicentrarchus labrax after exposure to experimental hypoxia, hyperoxia and hypercapnia*. Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology. **2008**. 151(1, Suppl 1): S15.
- Dionisio C, Pozzi D, Lisi A, Santoro N, Grimaldi S. *The Diacron's kit for the monitoring of plasma free radicals: correlation with stress and pathological states* [original title "Il kit Diacron per il monitoraggio di radicali liberi plasmatici: correlazione a stati di stress e patologici"]. Report of the Experimental Medicine Institute. National Council of Research. Rome, Italy. **1999**.
- Dohi K, Satoh K, Nakamachi T, Ohtaki H, Yofu S, Nakamura S, Shioda S, Aruga T. *Novel free radical monitoring in patients with neurological emergency diseases*. Acta Neurochir Suppl. **2010**. 106: 315–319.
- Dohi K, Satoh K, Ohtaki H, Shioda S, Miyake Y, Shindo M, Aruga T. *Elevated plasma levels of bilirubin in patients with neurotrauma reflect its pathophysiological role in free radical scavenging*. In Vivo. **2005**. 19 (5): 855–860.
- Dohi K, Satoh K, Nakamachi T, Yofu S, Hiratsuka K, Nakamura S, Ohtaki H, Yoshikawa T, Shioda S,

Aruga T. *Does Edaravone (MCI-186) act as an antioxidant and a neuroprotector in experimental traumatic brain injury?* Antioxid. Redox Signal. **2007**. 8: 281–287.

Dolci A, Muller MM. *Oxidative stress induced by physical exercise: the biochemical monitoring*. Proceedings Meeting "Medical Laboratory of Physical Exercise and Sports". December 6–7, 2001. Padua, Italy. **2001**. P. 18.

Dolci A, Nanni G, Roi GS, Palli R, Banfi G. *Oxygen free radicals and total antioxidant status in a professional players team during a football season*. **1998**. CLINICAL REPORT.

Dominguez L, Galioto A, Pineo A, Ferlisi A, Ciaccio M, Putignano E, Belvedere M, Costanza G, Barbagallo M. *Age, homocysteine and oxidative stress: relation to hypertension and type 2 diabetes mellitus*. Journal of the American College of Nutrition. **2010**. Vol. 29, n.1, pp 1-6.

Du Plessis LH, van der Westhuizen FH, Kotzé HF. *The protective effect of plasma antioxidants during ozone autohemotherapy*. African Journal of Biotechnology. **2008**. 7(14): 2472–2477.

Endo – Ezaki

Endo S, Mori T, Yoneki Y, Tokudome G, Hosoya T, Ito S. *High salt intake attenuates antihypertensive action of angiotensin II receptor blockade with induction of renal oxidative stress*. The Journal of the Federation of American Societies for Experimental Biology (FASEB). **2006**. 20: A755.

Erba D, Riso P, Bordoni A, Foti F, Biagi PL, Testolin G. *Effectiveness of moderate green tea consumption on antioxidative status and plasma lipid profile in Humans*. J Nut Biochem. **2005**. 16 (3): 144–149.
Esposito F, Morisco F, Verde V, Ritieni A, Alezio A, Caporaso N, Fogliano V. *Moderate coffee consumption increases plasma glutathione but not homocysteine in healthy subjects*. Alimentary Pharmacology & Therapeutics. **2003**. 17 (4): 595–601.

Ezaki S, Kurishima C, Suzuki K, Kondo T, Tamura M. *Resuscitation of preterm infants with reduced concentration of inspired oxygen*. Proceedings 11th Annual Congress Perinatal Society of Australia and New Zealand (PSANZ 2007). 2007. April, 1–4. Melbourne Convention Centre. Melbourne, Victoria (Australia). **2007**.

Ezaki S, Ito T, Suzuki K, Tamura M. *Association between total antioxidant capacity in breast milk and postnatal age in days in premature infants*. J Clin Biochem Nutr. **2008**. 42: 133–137.

Ezaki S, Suzuki K, Kurishima C, Miura M, Weilin W, Hoshi R, Tanitsu S, Tomita Y, Takayama C, Wada M, Kondo T, Tamura M. *Resuscitation of preterm infants with reduced oxygen results in less oxidative stress than resuscitation with 100% oxygen*. J Clin Biochem Nutr. **2009**. 44: 111–118.

Ferenci – Fujiwara

Ferenci P, Scherzer T-M, Kerschner H, Rutter K, Beinhardt S, Hofer H, Schoniger-Hekele M, Holzmann H, Steindl-Munda P. *Silibinin is a potent antiviral agent in chronic hepatitis C not responding to antiviral combination therapy*. Proceedings 43rd Annual Meeting of the European Association For The Study Of The Liver (EASL). April 23-27, 2008 Milan, Italy. **2008**.

Filiopoulos V, Hadjiyannakos D, Metaxaki P, Sideris V, Takouli L, Anogiati A, Vlassopoulos D. *Inflammation and oxidative stress in patients on hemodiafiltration*. Am J Nephrol. **2008**. 28: 949–957.

Finco A, Nardi G.M. *Lo stress ossidativo e lo sbiancamento dentale*. Cosmetic dentistry 4_ **2010**.

Fiorito S, Goze C, Adrey J, Magrini L, Goalard C, Bernier P. *Increase in free radicals on UHMWPE hip prostheses components due to inflamed synovial cell products*. J Biomed Mater Res. **2001**. 57: 35–40.

Flore R, Santoliquido A, Dal Lago A, Pola E, Flex A, Pola R, Gallinella Muzi M, Farinon A, Rulli F, Gaetani E, Tondi P, Gerardino L, Gasbarrini A. *Long saphenous vein stripping reduces local level of reactive oxygen metabolites in patients with varicose disease of the lower limbs*. World Journal of Surgery. **2003**. 27 (4): 473–475.

Flore R, Gerardino L, Santoliquido A, Catananti C, Pola P, Tondi P. *Reduction of oxidative stress by compression stockings in standing workers*. Occup Med (Lond). **2007**. 57 (5): 337–341.

Flore R, Gerardino L, Santoliquido A, Pola R, Flex A, Di Campli C, Pola P, Tondi P. *Enhanced oxidative stress in workers with a standing occupation*. Occupational and Environmental Medicine. **2004**. 61: 548–550.

Formigoni A, Calderone D, Pezzi P, Panciroli A. *Changes in "oxidative status" during the dry period and the first month of lactation in dairy cows [original title "Evoluzione dello "status ossidativo" nella bovina da latte: osservazioni preliminari"]*. Proceedings 12th National Congress "Associazione Scientifica di Produzione Animale". June 23-26, 1997. University of Pisa, Department of Animal Productions. Pisa, Italy. **1997**. Pp. 203–204.

Forte G, Alimonti A, Pino A, Stanzione P, Brescianini S, Brusa L, Sancesario G, Violante N, Bocca B. *Metals and oxidative stress in patients with Parkinson's disease*. Ann Ist Super Sanità. **2005**. 41 (2): 189–195.

Forte G, Bocca B, Senofonte O, Petrucci F, Brusa L, Stanzione P, Zannino S, Violante N, Alimenti A, Sancesario G. *Trace and major elements in whole blood, serum, cerebrospinal fluid and urine of patients with Parkinson's disease*. Journal of Neural Transmission. **2004**. 111 (8): 1031–1040.

Foschino Barbaro MP, Carpagnano GE, Spanevello A, Cagnazzo MG, Barnes PJ. *Inflammation, oxidative stress and systemic effects in mild chronic obstructive pulmonary disease*. Int J Immunopathol Pharmacol. **2007**. 20 (4): 753–763.

Fracchiolla NS, Bamonti Catena F, Novembrino C, Ippolito S, Maisonneuve P, Cortelezzi A. *Possible association between reactive oxygen metabolites and karyotypic abnormalities in myelodysplastic syndromes*. Haematologica. **2003**. 88: 594–597.

Fracchiolla NS, Bamonti-Catena F, Guggiari E, Novembrino C, Maiolo AT, Lambertenghi-Deliliers G, Cortellezzi A. *Reactive oxygen species (ROMs) are increased in myelodysplastic syndromes*. Leukemia Research. **2001**. 25 (Suppl 1): S57–S58.

Fracchiolla NS, Guggiari E, Maisonneuve P, Bamonti-Catena F, Ippolito S, Novembrino C, Lucherini C, Lambertenghi-Deliliers G, Maiolo AT, Cortellezzi A. *Oxidative stress in myelodysplastic syndromes: increased levels of reactive oxygen metabolites and homocysteine*. Blood. **2001**. 98 (11): 271b.

Francavilla G, Parisi G, Quattrocchi A, Francavilla V.C, Rosa M, Cicero A, Ingallina F, Caruso A, Pucione G, Mastromauro R, Fatuzzo G, Rosa A. *Riduzione dello stress ossidativo e dei radicali liberi, verificata con metodica FRAS mediante l'uso della pedana Vibropower*. Acta Medica Mediterranea, **2008**, 24-93

Frank R, Shinhan-Kumpfmüller K, Puttinger J, Reitinger A. *Wirkung von Honig auf das Immunsystem und die Gesundheit*. Ernährung & Medizin. **2007**. 22: 1–7.

Franzini A, Luraschi P, Pagani A. *Direct measurement of reactive oxygen metabolites in blood serum: analytical assesment of a novel method* [original title "Misura diretta dei metaboliti reattivi dell'ossigeno nel siero: valutazione analitica di un nuovo metodo"]. Biochimica Clinica. **1996**. Suppl. 1/5–6: 89.

Fujimoto H, Katayama K, Hayashi T, Kimura K, Yano T. *Effect of electroacupuncture on exercise-induced oxidative stress*. Zen Nippon Shinkyu Gakkai Zasshi (Journal of the Japan Society of Acupuncture and Moxibustion: JJSAM). **2008**. 58(2): 203–212.

Fujiwara T, Nakabayashi M, Goto M, Koyama S, Fujimoto A, Kugu K, Yano T, Tsutsumi O, Taketani Y, Okamoto T. *Preliminary study on action of coenzyme Q₁₀ in female reproductive system*. Proceedings 5th Conference of the International Coenzyme Q₁₀ Association. 2007. November 9 to 12. Kobe Gakuin University at Port Island. Kobe, Japan. **2007**. JP-039 (1–2).

Fukui T, Yamauchi K, Maruyama M, Yasuda T, Kohno M, Abe Y. *Significance of measuring oxidative stress in lifestyle-related disease from the viewpoint of correlation between d-ROMs and BAP in Japanese subjects*. **2011** Hypertens Res. Sept;34(9):1041-5. doi:10.1038/hr.2011.76.

Fumiyuki G, Ken H, Takano K, Kaoru O. *The possible contribution of angiitis to the onset of benign paroxysmal positional vertigo (BPPV)*. **2010**. International Tinnitus Journal. Vol. 16 (1) : 25-8.

Galimberti – Guidi

Galimberti D. *The anti-ageing check-up. The age? A relative concept* [original title "Il check-up anti-aging. L'età? Un concetto relativo"]. Antiaging. **2005**. 1: 18–29. POPULAR ARTICLE.

Galimberti D. *Check-up anti-aging*. **2010**. Health Magazine. Vol. 9: 15.

Gasparetto G, Malinverno A, Culacciati D, Gritti D, Prosperino PG, Specchia G, Ricevuti G. *Antioxidant vitamins reduce oxidative stress and ventricular remodeling in patients with acute myocardial infarction*. Int J Immunopathol Pharmacol. **2005**. 18 (3): 487 – 496.

Gencer M, Ceylan E, Aksoy N, Uzun K. *Association of serum reactive oxygen metabolite levels with different histopathological types of lung cancer*. Respiration. **2006**. 73: 520–524.

Gerardi GM, Usberti M, Martini G, Albertini A, Sughnerini L, Pompella A, Di Lorenzo D. *Plasma total antioxidant capacity in hemodialyzed patients and its relationship to other biomarkers of oxidativestress and lipid peroxidation*. Clin Chem Lab Med. **2002**. 40 (2): 104–110.

Giannattasio A, De Chiara M, Basile G, Peticca M, De Rosa M, Zarrilli S, Metafora S, Hall L. *A new method for the assay of sperm membranes lipoper-*

- oxides in normal and pathological human semen. *J Endocrinol Invest.* **1998.** 21 (Suppl 7): 187.
- Gianturco V, Bellomo A, D'Ottavio E, Formosa V, Iori A, Mancinella M, Troisi G, Marigliano V. *Impact of therapy with α -lipoic acid (ALA) on the oxidative stress in the controlled NIDDM: a possible preventive way against the organ dysfunction?* *Archives of Gerontology and Geriatrics.* **2009.** 49: 129–133.
- Giaretta R, Ronzani G, Meneghini G. *Oxidative stress, breast cancer, tamoxifen* [original title "*Stress ossidativo, cancro alla mammella, tamoxifen*"]. *ADI Magazine.* **2006.** 4 (10): 419 – 420.
- Giganti MG, Iorio EL, Verna R, Zenobi R. *Oxidative balance in scuba divers.* *Journal of Molecular and Clinical Pathology.* **2007.** 3: 101.
- Gim GT, Kim HM, Kim J, Kim J, Whang WW, Cho SH. *Antioxidant effect of tianwang buxin pills a traditional chinese medicine formula: double-blind, randomized controlled trial.* *Am J Chin Med.* **2009.** 37(2): 227–239.
- Giongo L, Bozza E, Caciagli P, Valente E, Pasquazzo MT, Pedrolli C, Iorio EL, Costa A. *Short-term blueberry intake enhances biological antioxidant potential and modulates inflammation markers in overweight and obese children.* *Journal of Berry Research.* **2011.** Vol.1N°3/2011:147-158 doi:10.3233/BR-2011-016
- Giordano N, Battisti E, Geraci S, Santacroce C, Lucani B, Fortunato M, Mattii G, Gennari C. *Analgesic-antiinflammatory effect of a 100 Hz variable magnetic field in RA.* *Clin Exp Rheumatol.* **2000.** 18 (2): 19–20.
- Gletsu-Miller N, Hansen J.M, Jones D.P. et al. *Loss of total and visceral adipose tissue mass predicts decreases in oxidative stress after weight-loss surgery.* *Obesity.* **2009.** Vol.17 N°3;439-446 doi:10.1038/oby.2008.542.
- Gozzo ML, Callà C, Colacicco L, Lipa S, De Sole P, Giardina B, Mormile F. *Markers of oxidative damage in workers of travertine quarries in Italy.* *Biochimica Clinica.* **2005.** 29 (2): 253.
- Gramiccioni C, Carpagnano G.E, Spavanello A, Turchiarelli V, Cagnazzo M.G. Foschino Barbaro M.P. *Airways oxidative stress, lung function and cognitive impairment in aging.* *Monaldi Arch. Chest. Dis.* **2010.** Mar;73(1):5-11.
- Gritti D, Gasparetto C, Malinverno A, Ricevuti G. *Antioxidant vitamins reduce oxidative stress and ventricular remodeling in patients with acute myocardial infarction* [original title "*Le vitamine antiossi-*"] *danti riducono lo stress ossidativo e il rimodellamento ventricolare nei pazienti con infarto miocardico acuto*]. *Proceedings Symposium Il rischio cardiovascolare globale: ruolo della sindrome metabolica.* October 4, 2003. Società Italiana per lo Studio dell'Aterosclerosi (SISA). **2003.** Pp. 20.
- Guacci L. *Free radicals and antioxidant activity. Now they can be measured* [original title "*Radicali liberi e attività antiossidante. Finalmente si possono misurare*"]. *Medical Team Magazine.* **2005.** P. 12. *POPULAR ARTICLE.*
- Gualandri W, Gualandri L, Demartini G, Esposti R, Marthyn P, Volontà S, Stangoni L, Borgonovo M, Frascini F. *Redox balance in patients with Down's syndrome before and after dietary supplementation with α -lipoic acid and L-cysteine.* *Int J Clin Pharm Res.* **2003.** 23 (1): 23–30.
- Guglielmi AG. *Cancer related anorexia/cachexia and oxidative stress: an innovative approach beyond current treatment.* **2004.** Research program of Bari University.
- Guglielmi FW, Mazzuoli S, Capogna D, Messanelli R, Regano N, Pispisa S, Guglielmi A, Panella C, Francavilla A. *Oxidative stress in inflammatory chronic bowel diseases: assesment by means of "d-ROMs test" in patients with clinical remission* [original title "*Lo stress ossidativo nelle malattie infiammatorie croniche intestinali (MICI): valutazione mediante d-ROMs test nei pazienti in remissione clinica*"]. *Proceedings National Congress of Italian Society of Parenteral Nutrition (SINPE).* November, 2003. Milan, Italy. **2003.**
- Guidi I, Cornelli U, Novembrino C, Lonati S, Galimberti D, Scarpini E, Lambertenghi-Delilliers G, Barmonti F. *A new method to discriminate among different memory disorders.* *Proceedings XIX International congress of clinical chemistry IFCC/AACC 2005. Annual Meeting.* July 24-28, 2005. Orlando, Florida (USA). **2005.** C55.
- Goto F, Hayashi K, Kunihiro T, Ogawa K. *The possible contribution of angiitis to the onset of benign paroxysmal positional vertigo (BPPV)* *The International Tinnitus Journal.* **2010;** 16(1):25-28.
- Guidi I, Galimberti D, Lonati S, Novembrino C, Barmonti F, Tiriticco M, Fenoglio C, Venturelli E, Baron P, Bresolin N, Scarpini E. *Oxidative imbalance in patients with mild cognitive impairment and Alzheimer's disease.* *Neurobiol Aging.* **2006.** 27 (2): 262 – 269.

Hadjiyinnacos – Hussein

Hadjiyinnacos D, Metaxaki P, Sideris V, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long term effect on inflammation and oxidative stress*. Vi322. SaP267. **2007**. UNKNOWN CONGRESS.

Haffor A-S. *Effects of O₂ breathing on cardiac mitochondrial, GOT and free radical production*. J Med Sci. **2004**. 4 (2): 164–169.

Haffor A-S. *Obstructive sleep apnea in elevated cardiac output patients: hypercapnea-induced hypoapnea*. J Med Sci. **2004**. 4 (2): 170–175.

Haffor A-S, Al-Hazza I, Al-Himaidi AR. *Effects of hyperoxia on free radicals production*. J 2nd Saudi Sci Conf. **2005**. IN PRESS.

Haffor A-S, Al-Johany AM. *Effect of heat stress, hypoxia, hypoxia-hyperoxia on free radical production in mice, Mus Musculus*. J Med Scie. **2005**. 5 (2): 89–94.

Haffor A-S, Omar S-A. *Effect of exposure of rats to periodic versus continuous hyperoxia on antioxidant potentials and free radical production in relation to ultrastructural changes in myocardial cells*. **2010**. Inhalation Toxicology. Vol. 22 (10): 797-804. DOI: 10.3109/08958370903456629.

Haffor ASA. *Effects of gram-negative bacteria, E. coli and cold exposure on free radicals production, lactate dehydrogenase and glutathione peroxidase activity in the lungs of rats, Rattus norvegicus*. Saudi Journal of Biological Sciences. **2007**. 14 (2): 177–183.

Han SY, Chang EJ, Choi HJ, Nam SI, Lee NH, Kwak CS, Park SB, Kim HC, Mun KC. *Total antioxidant status and oxygen free radicals during hepatic regeneration*. Transplantation Proceedings. **2006**. 38: 2214–2215.

Hansen JM, Moriarty-Craige S, Jones DP. *Mitochondrial thioredoxin-2 overexpression inhibits oxidative damage in aged mice*. The Toxicologist. Supplement to Toxicological Sciences. **2007**. 96 (1): 40.

Harsem NK, Braekke K, Staff AC. *Augmented oxidative stress as well as antioxidant capacity in maternal circulation in preeclampsia*. Eur J Obstet Gynecol Reprod Biol. **2006**. 128: 209–215.

Harsem NK, Staff AC. *Are d-ROM and FRAP tests suitable assays for detecting the oxidative status?* European Journal of Obstetrics & Gynecology and Reproductive Biology. **2006**. 127: 272.

Hasegawa T. *Oxidative stress and antioxidant potential in Japanese females with hypotension*. Proceedings 19th World Congress of Psychosomatic Medicine. Québec City (Québec) Canada. 2007. August 26–31. **2007**. P 30.

Hattori N, Hayashi T, Nakachi K, Ichikawa H, Goto C, Tokudome Y, Kuriki K, Hoshino H, Shibata K, Yamada N, Tokudome M, Suzuki S, Nagaya T, Kobayashi M, Tokudome S. *Changes of ROS during a two-day ultra-marathon race*. Int J Sports Med. **2009**. 30: 426–429.

Hayashi I, Morishita Y, Imai K, Nakamura M, Nakachi K, Hayashi T. *High-throughput spectrophotometric assay of reactive oxygen species in serum*. Mutation Research. **2007**. 631: 55–61.

Hirokado Y, Nagata K, Aoyama Y, Kiyama K, Okano K, Hasegawa. *Prohomeostatic effects of acupuncture*. 2006. International Congress Series. **2006**. 1287: 107–110. 11.

Hisamitsu N, Hlaing T, Fujiwara H, Ishikawa S, Sunagawa M, Guo S-Y, Hisamitsu T. *The comparison of the influence of different stress types on blood fluidity and reactive oxygen metabolites (ROMs) level in rats*. J Physiological Sc. **2009**. 373.

Hisamitsu N, Hlaing T, Guo S, Ishikawa S, Hisamitsu T. *The effect of small island stress on the blood fluidity and reactive oxygen metabolites level in rats*. **2008**. 3P-H-175.

Hong Ji-Y, Sato Ef, Kira Y, Nishikawa M, Shimada K, Inoue M. *Curcuma aromatica inhibits diabetic nephropathy in the rat*. Journal of Food Science. **2006**. 71 (9): S626–S632.

Hussein MH, Daoud GA, Kakita H, Hattori A, Murai H, Yasuda M, Mizuno K, Goto K, Ozaki Y, Ito T, Tanaka T, Fukuda S., Kato I, Fujimoto S, Suzuki S, Sobajima H, Togari H. *The sex differences of cerebrospinal fluid levels of interleukin 8 and antioxidants in asphyxiated newborns*. Shock. **2007**. 28 (2): 154–159.

Iamele – Iwata

Iamele L, Amboni P, Felletti S, Pasinetti G, Aurie-ma A, Vernocchi A. *Reference values of hydroperoxides in the blood serum of newborns and adults* [original title "Valori di riferimento di idroperossido nel siero di neonati e adulti"]. Biochimica Clinica. **1997**. 21: 7–8.

Iamele L, Fiocchi R, Vernocchi A. *Evaluation of an automated spectrophotometric assay for reactive oxygen metabolites in serum*. Clin Chem Lab Med. **2002**. 40 (7): 673–676.

- Iamele L, Vernocchi A, Amboni P, Pasinetti G, Auriema A, Bellan C, Tempa A. *Normal values of free radicals in newborns and comparison with adults*. Proceedings 12th IFCC European Congress of Clinical Chemistry "Medlab '97". Basel, Switzerland. **1997**. P. 196.
- Ikebuchi M, Nishio Y, Maegawa H, Kashiwagi A. *Effects of hyperglycemia on oxidative stress and antioxidant potential in patients with type 2 diabetes*. Diabetology International **2010**. Vol.2(2) Dec.2010:72-77(6). Doi:10.1007/s13340-010-0008-5.
- Incandela L, Belcaro G, Cesarone MR, De Sanctis MT, Griffin M, Cacchio M, Nicolaidis AN, Bucci M, Barsotti A, Martines G, Cornelli U, Di Renzo A. *Oxygen-free radical decrease in hypertensive patients treated with lercanidipine* Int Angiol. **2001**. 20 (2): 136–140.
- Inokuma T, Haraguchi M, Fujita F, Tajima Y, Kanematsu T. *Oxidative stress and tumor progression in colorectal cancer*. Hepatogastroenterology. **2009**. 56(90): 343–347.
- Iorio EL. *Ageing and oxidative stress* [original title "Invecchiamento e stress ossidativo. Stop agli insulti del tempo"]. Natura e Benessere. **2002**. 6: 166–170. *POPULAR ARTICLE*.
- Iorio EL, Balestrieri ML. *The oxidative stress* [original title "Lo stress ossidativo"]. Trattato Italiano di Medicina di Laboratorio, di Angelo Burlina, Ed. Balestrieri C, Piccin, Padua, Italy. **2009**. 533–549.
- Iorio EL. *Courses of food education in the schools: to eating well – to eating safely* [original title "Corsi di educazione alimentare nelle scuole: mangiare bene – mangiare sicuro"]. Scientific Nutrition Today. **2000**. 2: 17.
- Iorio EL. *d-ROMs test and global assessment of oxidative stress* [original title: "Il d-ROMs test e la valutazione globale dello stress ossidativo"]. Diacron International Eds. Grosseto, Italy. **2004**.
- Iorio EL. *d-ROMs test in sport*. Cosmetic News. **2004**. 157: 272–275.
- Iorio EL. *Hypoxia, free radicals and antioxidants. The "Deutrosulfazyme[®]" paradox*. Hypoxia Medical J. **2006**. 1-2: 32.
- Iorio EL. *Mediterranean diet and oxidative stress* [original title "Dieta mediterranea e stress ossidativo"]. Proceedings Conference "The Mediterranean Diet". April 7–9, 2000. Salerno, Italy. **2000**. Pp. 4–5.
- Iorio EL. *New perspective in oxidative stress research: The Redoxomics*. International conference on Advances in Free Radical Research, natural products, antioxidants and radioprotectors in Health & Ninth, India. **2010**.
- Iorio EL. *Oxidative stress and ageing* [original title "Stress ossidativo e senescenza"]. In "Il manifesto della lunga vita. La rivoluzione della medicina predittiva. Marandola P, Marotta F. Sperling and Kupfer. **2007**. 318–322. *Book*.
- Iorio EL. *Oxidative stress and nutrition*. Proceedings VI Macedonian Nutrition Congress. November 19–21, 2004. Thessaloniki, Greece. **2004**. Pp. 143–144.
- Iorio EL. *Oxidative stress and nutrition* [original title "Stress ossidativo ed alimentazione"]. In "Comunicazione ed educazione alimentare". III Edizione a cura della Centrale del Latte Salerno (Salerno, Italy). **2005**. 13–16.
- Iorio EL. *Oxidative stress and sport* [original title: "Stress ossidativo e sport"]. European Journal of Health, Sport and Nutrition. **2007**. 1: 102–103.
- Iorio EL. *Oxidative stress as a health risk factor. The role of environment factors*. [original title "Lo stress ossidativo quale fattore di rischio per la salute. Il ruolo dei fattori ambientali"]. Proceedings Giornate Medico-Chirurgiche Romane "Ambiente: salute o malattia". October 31, 2003. Rome, Italy. **2003**.
- Iorio EL. *Oxidative balance and nutritional supplementation in chronic and degenerative disorders* [original title: "Bilancio ossidativo ed integrazione nutrizionale nelle patologie cronico-degenerative"]. Proceedings 3^o Congresso Internazionale Nutrizione e malattie cronico-degenerative. 2007, June 2nd and 3rd, Ponzano Veneto (TV), Italy. **2007**. 34–39.
- Iorio EL. *Oxidative stress assessment in Animals. Actuality and perspectives* [original title "La valutazione dello stress ossidativo negli animali. Attualità e prospettive"]. Proceedings "67^o Convegno Nazionale Unione Zoologica Italiana". Napoli (Italy). **2006**, September 12nd-15th. Pp. 28.
- Iorio EL. *Oxidative stress, sport trauma and rehabilitation. New proposals for an integrated approach*. Proceedings XIV International Congress on Sports Rehabilitation and Traumatology "The accelerated rehabilitation of the injured athlete". April 9-10th, **2005**. Pp 127. Bologna, Italy.
- Iorio EL. *La diagnosi dello stress ossidativo*. **2009**. Nuovo collegamento, Utifar.

Iorio EL. *Lo stress ossidativo. Quale ruolo per il farmacista*. **2009**. Nuovo Collegamento. Utifar. Pag. 44-47

Iorio EL. *Rilevanza dello stress ossidativo in medicina estetica*. **2009**. Nuovo Collegamento, Utifar.

Iorio EL. *Stress ossidativo e medicina estetica*. **2009**. Nuovo collegamento, Utifar.

Iorio EL. *The antioxidants. What they are. How they work* [original title "Gli antiossidanti. Cosa sono. Come funzionano"]. *Natura e Benessere*. **2003**: 3. *POPULAR ARTICLE*.

Iorio EL. *The global assessment of oxidative stress* [original title "La valutazione globale dello stress ossidativo"]. *Il Patologo Clinico*. **2003**. 5/6: 155–159.

Iorio EL. *The global evaluation of oxidative stress. The role of the laboratory* [original title "La valutazione globale dello stress ossidativo. Il ruolo del laboratorio"]. Proceedings Congress "Reactive oxygen species: biochemistry, pathology, prevention, laboratory". Palermo, Mondello Palace Hotel. May 25th, 2005. Palermo, Italy. **2005**. P. 27.

Iorio EL. *The laboratory in oxidative stress study* [original title "El laboratorio en el estudio del estrés oxidativo"]. Consejo General de Colegios Oficiales de Farmacéuticos. Plan Nacional de Formación Continuada. Análisis Clínicos II. Modulo II. **2008**. 1–28.

Iorio EL. *Thermal medicine and oxidative stress*. *Rev Latinoamer Quim*. **2005**. 33 (suplemento especial): 63.

Iorio EL. *Women manager. The enemy is the stress* [original title "Donne manager. Il pericolo è lo stress"]. *Il Denaro*. **2005**. 65: 29. *INTERVIEW*.

Iorio EL, Balestrieri ML. *d-ROMs test and POX ACT test. Comparison impossible*. *Clinical Chemistry Laboratory Medicine*. **2005**. 43(4): 457–458.

Iorio EL, Boccellino M, Balestrieri P, De Prisco R, Quagliuolo L. *d-ROMs test and oxidative stress assessment*. *Rendiconti e Atti della Accademia di Scienze Mediche e Chirurgiche*. **2003**. 157: 49–61.

Iorio EL, Carratelli M, Quagliuolo L, Caletti G. *Oxidative stress evaluation in athletes* Proceedings 2nd International Conference on Oxidative Stress and Aging. April 2–5, 2001. Maui, Hawaii (USA). **2001**. P. 60.

Iorio EL, Carratelli M, Alberti A. *A simple test to monitor the oxidative stress by evaluating total serum hydroperoxides*. Proceedings 2nd International

Conference on Oxidative Stress and Aging. April 2–5, 2001. Maui, Hawaii (USA). **2001**. P. 25.

Iorio EL, Cinquanta L, Pisano R. *A diagnostic algorithm for the oxidative stress* [original title "Un algoritmo diagnostico per lo stress ossidativo"]. *Italian Journal of Laboratory Medicine*. **2005**. 1 (3): 137.

Iorio EL, Cinquanta L, Pisano R. *A diagnostic algorithm to manage oxidative stress*. *Australasian J Cosmet Surg*. **2006**. 2 (1) : 26-30.

Iorio EL, D'Amicantonio T. *The oxidative stress in Odontology. From the basic research to the clinical practice* [original title "Lo stress ossidativo in odontoiatria. Dalla ricerca di base alla pratica clinica"]. Proceedings III Congresso ANMCO. **2006**. Rome, October, 13.

Iorio EL, D'Amicantonio T, Nardi GM. *Nutrition and oxidative stress. From biochemistry to the clinical practice* [original title: "Alimentazione e stress ossidativo. Dalla biochimica alla pratica clinica"]. *ADI MAGAZINE*. **2007**. 92–97.

Iorio EL, Escalona M, De Prisco R, Attianese P, Carratelli M. *Impairment of redox balance in obesity*. Proceedings 10th Congreso Italo-latinoamericano de Etnomedicina. September 23–28, 2001. Isla de Margarita, Venezuela. **2001**.

Iorio EL, Ferreri C, Cozzolino R, Manara S, Ferreri R. *Plasma total oxidant status and erythrocyte plasmamembrane lipidomics. A promising synergy in the molecular diagnostics of anti-aging*. Proceedings 9th International Congress of Aesthetic Medicine. 2007, October 11th –13th Milan, Italy. **2007**. Pp. 145.

Iorio EL, Quagliuolo L, Carratelli M. *The d-ROMs test: a method to monitor oxidative stress in vascular diseases* [original title "d-ROMs test: metodo di monitoraggio dello stress ossidativo nelle patologie vascolari"]. *Minerva Cardioangiologica*. **2002**. 50 (6, Suppl. 1): 143–144.

Iorio EL. *Oxidative stress and ageing: diagnosis, causes, effects, and treatments* [original title "Stress ossidativo e invecchiamento: diagnosi, cause, effetti, terapie"]. Proceedings "Giornate Siciliane di Medicina Estetica". Palermo (Italy). **2006**, March 17th-19th. Pp. 10-11.

Iorio EL, Bianchi L, Storti A. *Deutrosulfazyme®: a powerful antioxidant* [original title "Deutrosulfazyme®: un potente antiossidante"]. *La Medicina Estetica*. **2006**. 30 (1): 115 – 116.

Iorio EL. Carratelli M, D'Amicantonio T. *Oxidative stress and diseases* [original title "Stress ossidativo

e malattia"]. ADI Magazine. **2006**. 4 (10): 399 – 404.

Ippolito S, Ambroso G, Mani AR, Novembrino C, Lonati S, Ponticelli C, Bamonti F. *Evaluation of endothelial damage risk factors in preeclampsia*. J Inherit Metab Dis. **2003**. 26 (Suppl. 1): 44.

Ippolito S, Ambroso G, Mani AR, Novembrino C, Lonati S, Ponticelli C, Bamonti F. *Oxidative and nitrate status in preeclampsia and normal pregnancy*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 301.

Ippolito S, Bamonti F, Novembrino C, Campise M, Lonati S, Ponticelli C, Cornelli U. *Oxidative status in kidney transplantation*. Biochimica Clinica. **2002**. 3 (26): 304.

Ippolito S, Bamonti F, Novembrino C, De Franceschi M, Massaro P, Cortelezzi A, Fracchiolla NS, Ciani A, Maiolo AT. *Homocysteine levels and oxidative stress in myeloproliferative and myelodysplastic syndromes*. Clin Chem Lab Med. **2001**. 39 (Special Supplement): S269.

Ippolito S, Bamonti-Catena F, Novembrino C, Campise M, Ponticelli C, Lonati S, Cornelli U. *Oxidative status in kidney transplantation*. Clin Chem Lab Med. **2002**. 40 (Special Supplement): S 214.

Ippolito S, Bamonti-Catena F, Novembrino C, Cortelezzi A, Fracchiolla NS, Di Cataldo D, Guggiari E, Ciani A, Maiolo AT. *Oxidative stress in myelodysplastic syndromes*. Biochimica Clinica. **2001**. 25: 61.

Ippolito S, Caruso R, Novembrino C, Bamonti-Catena, Della Noce C, Lorenzano E, Camolo J, Tonini A, Lonati S, Rosina M, Accinni R. *Dislipidemia and oxidative stress*. Ital J Biochem. **2002**. 51 (3–4): 129.

Ippolito S, Cornelli U, Novembrino C, Lonati S, Belletti S, Ciani A, Bamonti F. *Effects of an antioxidant supplementation on patients affected by peripheral arterial occlusive disease: a pilot study*. Clin Chem Lab Med. **2005**. 43(3): A15.

Ippolito S, Lonati S, Novembrino C, Sores E, Bamonti F. *Oxidative status in smokers*. Biochimica Clinica. **2002**. 3 (26): 287.

Irie K, Tomofuji T, Tamaki N, Sanbe T, Ekuni D, Azuma T, Maruyama T, Yamamoto T. *Effects of ethanol consumption on periodontal inflammation in rats*. J Dent Res. **2008**. 87(5): 456–460.

Isa L, Mor C, Chignoli MR, Bolzoni P, Fossati S, Galli G, Liverani A, Borgonovo M, Scaglione F, Frascini

F. *Complementary therapy with α -lipoic acid plus L-cysteine in patients with advanced cancers. Preliminary results* [original title "Terapia complementare con acido alfa-lipoico + L-cisteina in pazienti affetti da tumori in fase avanzata. Risultati preliminari"]. **2003**. CLINICAL REPORT.

Isa L, Mor C, Fossati S, Bolzoni P, Scaglione F, Chignoli MR, Chierigato L, Galli G, Liverani A, Borgonovo M, Frascini F. *Support therapy by means of phyto-complexes with high nutritional content in elderly underwent anticancer chemotherapy: old and news results*. [original title "Terapia di supporto mediante fitocomplessi ad alto contenuto nutrizionale in soggetti anziani sottoposti a chemioterapia antitumorale: risultati vecchi e nuovi"]. **2004**. CLINICAL REPORT.

Isozaki A, Tnaka A, Kikuchi N, Sugai K, Endo J, Nakamura Y, Yokota S. *Oxidative stress of Kawasaki disease: comparison between acute and convalescent phase along with administration of IVIG*. Pediatrics & Therapeutics. **2011**. <http://dx.doi.org/10.4172/2161-0665.1000105>.

Ito Y, Nakamura A, Adachi M, Kato Atsumi, Ishikawa H, Maruta K, Hata T. *Blood oxidative stress levels and urinary dopamine values reflect the impact of academic stress on student*. Journal of Analytical Bio-Science vol. 32 No 5 **2009**.

Ivkovic S, Müller-Schubert A. *Oxidativer stress*. In "Oxidativer stress. Risikofactor Nr. 1 für Ihre Gesundheit". Astra H&D GmbH, Schlanstedt. **2004**. 98–131. Book.

Ivkovic S, Vujaskovic Zeljko, Zabcic D. *Klinische Effekte der neuen antioxidativen Substanz TMAZ (TriboMechanisch Aktivierte Zeolithe)*. **2003**. CLINICAL REPORT.

Ivkovic S, Zabcic D. *Antioxidative therapy: nanotechnology product TMA-ZEOLITE reduces oxidative stress in cancer and diabetic patients*. **2002**. Free Radical Biology and Medicine. 33 (Suppl 2).

Ivkovic S, Zabcic D. *The effect of tribomechanically activated zeolite (TMAZ) on total antioxidant status of healthy individuals and patients with malignant disease*. **2002**. Free Radical Biology and Medicine. 33 (Suppl 1).

Iwabayashi M, Fujioka N, Nomot K, Miyazaki R, Takahashi H, Hibino S, Takahashi Y, Nishikawa K, Nishida M, Yonei Y. *Efficacy and safety of eight-week treatment with astaxanthin in individuals screened for increased oxidative stress burden*. Anti-Aging Medicine. **2009**. 6(4): 15–21.

Iwata N, Okazaki M, Kamiuchi S, Hibino Y. *Protective effects of oral administered ascorbic acid against oxidative stress and neuronal damage after cerebral ischemia/reperfusion in diabetic rats.* J Health Sci. **2009**. 56(1). IN PRESS.

Kakita – Kusmik

Kakita H, Hussein Mh, Daoud Ga, Kato T, Murai H, Sugiura T, Mizuno K, Yamada Y, Ito T, Fukuda S, Kato I, Suzuki S, Togari H. *Total hydroperoxide and biological antioxidant potentials in a neonatal sepsis model.* Pediatric Research. **2006**. 60 (6): 675–679.

Kakita H, Hussein MH, Yamada Y, Henmi H, Kato S, Kobayashi S, Ito T, Kato I, Fukuda S, Suzuki S, Togari H. *High postnatal oxidative stress in neonatal cystic periventricular leukomalacia.* Brain Dev. **2009**. 31(9): 641–648.

Kamezaki F, Yamashita K, Kubara T, Suzuki Y, Tanaka S, Kouzuma R, Okazaki M, Tasaki O, Otuji Y. *Derivatives of reactive oxygen metabolites correlates with high-sensitivity C-Reactive Protein.* J Atheroscl Thromb. **2008** 15(4): 206–212.

Kanaoka Y, Inagaki E-I, Hamanaka S, Masaki, Tanemoto K. *Analysis of reactive oxygen metabolites (ROMs) after cardiovascular surgery as a marker of oxidative stress.* Acta Med. Okayama, **2010** Vol. 64 No. 5 pp. 323-330

Kaneko K, Taniguchi N, Tanabe Y, Nakano T, Hasui M, Nozu K. *Oxidative imbalance in idiopathic renal hypouricemia.* Pediatr Nephrol. **2009**. 24(4): 869–871.

Karlsen A, Retterstøl L, Laak P, Kjølrsrud-Bøhna S, Sandvik L, Blomhoffa R. *Effects of a daily intake of one glass of red wine on biomarkers of antioxidant status, oxidative stress and inflammation in healthy adults.* European e-Journal of Clinical Nutrition and Metabolism. **2007**. 2: e127–e133

Kato S, Hussein MH, Kakita H, Goto T, Daoud GA, Kato T, Sugiura T, Nobata M, Nakajima Y, Endo T, Mizuno K, Ito T, Kato I, Suzuki S, Togari H. *Edaravone, a novel free radical scavenger, reduces HMGB-1 and prolongs survival in a neonatal sepsis model.* Shock. **2009**. Mar 13. Epub ahead of print.

Katsabeki-Katsafli A, Kerenidi T, Kostikas K, Daveleris E, Kiropoulos TS, Gogou E, Papaioannou AI, Gourgoulisanis KI. *Serum vascular endothelial growth factor is related to systemic oxidative stress in patients with lung cancer.* Lung Cancer. **2008**. Doi:10.1016/j.lungcan.2007.10.006.

Kawashima H, Ioi H, Ishii C, Hasegawa Y, Amaha M, Kashiwagi Y, Takekuma K, Hoshika A, Watanabe Y. *Viral loads of cerebrospinal fluid in infants with*

enterovirus meningitis. J Clin Lab Anal. **2008**. 22: 216–219.

Kawashima H, Suzuki K, Yamanaka G, Kashiwagi Y, Takekuma K, Amaha M, Takahashi Y. *Anti-Glutamate receptor antibodies in pediatric enteroviral encephalitis.* International Journal of Neuroscience. Vol. 120 (2): 99-103.

Keretetse GS, Laubscher PJ, Du Plessis JL, Pretorius PJ, Van Der Westhuizen FH, Van Deventer E, Van Dyk E, Eloff FC, Van Aarde MN, Du Plessis LH. *DNA damage and repair detected by the comet assay in lymphocytes of African petrol attendants: a pilot study.* Annals of Occupational Hygiene. **2008**. 52(7): 653–662.

Kettawan A, Kunthida C, Okuno M, Takahashi T, Kongkachuichai R, Sungpuag P, Kishi T, Okamoto T. *Protective effects of Coenzyme Q₁₀ against oxidative stress induced by aerobic exercise.* Proceedings 5th Conference of the International Coenzyme Q₁₀ Association. 2007. November, 9–12. Kobe Gakuin University at Port Island. Kobe, Japan. **2007**. J12-044 (1–2).

Kim SH, Hur HY, Lee KH, Moon JY, Chae KY. *Correlation of serum total hydroperoxide levels and diseases of prematurity.* Korean Journal of Pediatrics. **2007**. 50(8): 746–752.

Kim SW, Kim BJ, Youn W, Park KC, Huh CH. *Evaluation of free oxygen radical and antioxidant capacity in alopecia areata.* The journal of dermatology. Vol. 37 (8): 762-764 2010. DOI: 10.1111/j.1346-8138.2010.00868.x.

Kim S, Yukishita T, Lee K, Yokota S, Nakata K, Suzuki D, Kobayashi H. *The effect of mild-pressure hyperbaric therapy (oasis O2) on fatigue and oxidative stress.* Health. **2011**. Vol.3(7):432-436(2011). doi:10.4236/health.2011.37071.

Koç H, Aköz M, Gürbilek M, Ak M, Ay M, Gürel A, Çalışkan Ü. *Hiperbilirubinemili yenidoğanlarda fototerapinin serbest radikaller üzerine etkisi.* Genel Tıp Derg. **1999**. 9 (3): 87–91.

Kodama H, Shinohara H, Nukazuka A, Narita Y, Yoshida M. *Implications of an oxidative stress marker, serum hydroxiperoxide concentration, in the medical checkup of pregnant women at around 30 weeks of gestation.* Japanese Journal of Maternal Health. **2008**. 49(1): 98–106.

Kogawa T, Kurauchi S, Nishimura M, Kashiwakura I. *P1-196 the characteristics of reactive oxygen metabolites detected in the serum of early Japanese teenagers.* J Epidemiol Community Health **2011**; 65:A120 doi:10.1136/jech.2011.142976d.89.

Komatsu F, Kagawa Y, Sakuma M, Kawabata T, Kaneko Y, Otgontuya D, Chimedregzen U, Naran-tuya L, Purvee B. *Investigation of oxidative stress and dietary habits in Mongolian people, compared to Japanese people*. Nutrition & Metabolism. **2006**. 3: 21–39.

Komatsu F, Kudoh H, Kagawa Y. *Evaluation of oxidative stress and effectiveness of low-dose glucocorticoid therapy on exacerbation of chronic obstructive pulmonary disease*. Journal of Gerontology. **2007**. 62A (4): 459–464.

Komilus CF. *Effect of vegetable oils on growth performance and quality of red sea bream Pagrus major*. Thesis submitted in the partial fulfilment of the requirements for the degree of Doctor of Philosophy. Major Subject: Aquatic Animal Nutrition. The United Graduate School of Agricultural Sciences. Kagoshima University, Faculty of Fisheries. Kagoshima, JAPAN. September **2008**.

Kongoji J, Yamami N, Togawa S, Suzuki N, Yamamoto K, Mano Y. *Indexes of oxidative stress during HBO treatment*. Proceedings Undersea and Hyperbaric Medical Society. Scientific Meeting & Associates/BNA. Annual Scientific Meeting. 22-24 June 2006. Orlando, Florida (USA). **2006**. P 112.

Kongoji J, Yamami N, Togawa S, Yagishita K, Mano Y. *The evaluation of oxidative stress and antioxidant status following repeated hyperbaric oxygen in patients with decompression illness*. Proceedings Undersea and Hyperbaric Medical Society. Annual Scientific Meeting. 14-16 June 2007. Ritz-Carlton Kapalua, Maui, Hawaii (USA). **2007**. P 129.

Kondo K, Shibata R, Unno K, Shimano M. et al. *Impact of a single intracoronary administration of adiponectin on myocardial ischemia/reperfusion injury in a pig model*. Circ. Cardiovasc. Interv. **2010**. Apr;3(2):166-73.

Kosaka J, Morimatsu H, Matsumi j, Kaku R, Morita K. *The relationship between oxidative stress antioxidant capacity and serum bilirubin level in living donor liver transplantation (LDLT) recipients*. Anesthesiology **2011**, American Society of Anesthesiologists Annual Meeting.

Kostapanos M.S, Spyrou A.T., Tellis C.C, Gazil I.F. et al. *Ezetimibe treatment lowers indicators of oxidative stress in hypercholesterolemic subjects with high oxidative stress*. Lipids. **2011**. 46(4):341-8. Epub 2011 feb 26 doi: 10.1007/s11745-011-3539-z.

Kotani K, Sakane N, Tsuzaki K, Matsuoka Y, Sano Y, Hamada T, Yamada K. *Lyfestyle and oxidative stress in type 2 diabetic patients*. The Scandinavian

Journal of Clinical & Laboratory Investigation. **2008**: iFirst Article: 1–3.

Kotani K, koibuchi H, Miyamoto M, Yamada T, Tani-guchi N. *Relationship between reactive oxygen metabolites and carotid intima-media thickness in subjects with hypercholesterolemia*. **2010**. Medical Principles and practice. Vol. 19: 496-498. DOI: 10.1159/000320312.

Koutsokera A, Daniil Z, Papaioannou AI, Kiropoulos T, Katsabeki A, Kerenidi T, Gourgouljanis KI. *Oxidative stress in patients with pulmonary sarcoidosis: the role of systemic corticosteroids*. Proceedings Annual Congress of European Respiratory Society. Stockholm, Sweden. 2007, September 15-19. **2007**. P773.

Koutsokera A, Papaioannou A.I, Malli F, Kiropoulos T.S, Katsabeki A, Kerenidi T, Gourgouljanis K.I, Daniil Z.D. *Systemic oxidative stress in patients with pulmonary sarcoidosis*. Pulmonary Pharmacology & Therapeutics. **2009** 22,6(2009)603. doi:10.1016/j.pupt.2009.09.002.

Kusmic C, Petersen C, Picano E, Busceti C, Parenti G, Laghi Pasini F, Barsacchi R. *Antioxidant effect of oral dipyrimidole during cerebral hypoperfusion with human carotid endarterectomy*. Journal of Cardiovascular Pharmacology. **2000**. 36 (2): 141–145.

Lacetera – Lunardi

Lacetera N, Bernabucci U, Scalia D, Basirico L, Morera P, Nardone A. *Heat stress elicits different responses in peripheral blood mononuclear cells from brown swiss and holstein cows*. J. Dairy Sci. **2006**. 89: 4606–4612.

Landoni G, Mariani E, Oriani G, Donarini C, Guerrierio T, Iorio EL. *Improvement of antioxidant status in women conventionally treated for breast cancer after 12 months of a cow milk whey-based supplementation. A preliminary study*. Mediterranean Journal of Nutrition and Metabolism. **2009**. 2(2): 127-131.

La Torre F, Orlando A, Silipigni A, Giacobello T, Pergolizzi S, Aragona M. *Increase of oxygen free radicals and their derivatives in chemo- and radiation treated neoplastic patients* [original title "Incremento dei radicali liberi dell'ossigeno e dei loro derivati in pazienti neoplastici chemio e radiotrattati"]. Minerva Medica. **1996**. 86: 1–4.

Liotti F, Maselli R, De Prisco R, Iorio EL, De Seta C, Sannolo N. *Oxidant agents in work environment and professional bronchopneumopathies* [original title "Agenti ossidanti in ambiente di lavoro e bronchopneumopatie professionali"]. Proceedings Meeting

"Giornate Scientifiche della Facoltà 2000". May 17–19, 2000. Second University of Naples. Naples, Italy. **2000**. Pp. 555–556.

Loguercio C, De Girolamo V, de Sio I, Tuccillo C, Ascione A, Baldi F, Budillon G, Cimino L, Di Carlo A, Di Marino MP, Morisco F, Picciotto F, Terracciano L, Secchione R, Verde V, Del Vecchio Blanco C. *Non-alcoholic fatty liver disease in an area of southern Italy: main clinical, histological, and pathophysiological aspects*. Journal of Hepatology. **2001**. 35: 568–574.

Lubrano V, Vassalle C, L'Abbate A, Zucchelli GC. *A new method to evaluate oxidative stress in humans*. Immuno-analyse and Biologie spécialisée. **2002**. 17: 172–175.

Lubrano V, Ballardini M, Di Cecco P, Longo V, Paolini M, Scarpato R. *Evaluation of coronary artery disease predisposition in cigarette smokers*. Ligand Assay. **2008**. 13(2): 146.

Lucchi L, Iannone A, Bergamini S, Stipo L, Perrone S, Uggeri S, Gatti V, Ferrari F, Tomasi A, Albertazzi A. *Comparison between hydroperoxides and malondialdehyde as markers of acute oxidative injury during hemodialysis*. Artificial Organs. **2005**. 29: 832–837.

Lunardi MG. *The youth recipe* [original title. "La ricetta della giovinezza"]. L'erborista. **2007**. 1: 46–49. Popular article.

Maeda – Mutinati

Maeda YU, Oh K, Asano K, Hisamitsu T. *Suppressive activity of risedronate on the oxidative stress responders observed in rats with adjuvant arthritis*. Japanese Pharmacology and Therapeutics. **2008**. 36–37: 605–611.

Mahmood S, Kawanaka M, Kamei A, Izumi A, Nakata K, Niiyama G, Ikeda H, Hanano S, Suehiro M, Togawa K, Yamada G. *Immunohistochemical evaluation of oxidative stress markers in chronic hepatitis C*. Antioxidants & Redox Signaling. **2004**. 6 (1): 19–24.

Manca R, Gunther KG, Rizzo A, Sciorsci RL. *Stress and neonatal diseases in a group of Nilo's Lichi (Kobus megaceros). Observation on a group of animals of Roma's Biopark* [original title "Stress e patologie neonatali di un gruppo di Lichi del Nilo (Kobus megaceros). Osservazioni su un gruppo ospitato presso il Bioparco di Roma"]. Obiettivi e documenti veterinari. **2005**. 1: 43–46.

Mancinelli R, Giordano R, Ciprotti M, Costantini S, Senofonte O, D'Ilio S, Vargas M, Attilia ML, Ceccanti M. *Oxidative stress and protective factors (vit B₁₂, Zn, Se) in male and female alcoholics*. Alcohol and Alcoholism. **2007**. 42(Supplement 1): i57–i60.

Mancinelli R, Giordano R, Ciprotti M, Costantini S, Senofonte O, D'Ilio S, Vargas M, Attilia ML, Ceccanti M. *Oxidative stress and protective factors (Vit B₁₂, Zn, Se) in male and female alcoholics*. Proceedings of 11th Congress of the European Society for Biomedical Research on Alcoholism (ESBRA). 2007, September 23–26. Berlin, Germany. **2007**. i60.

Mandas A, Congiu MG, Balestrieri C, Mereu A, Iorio EL. *Nutritional status and oxidative stress in an elderly Sardinian population*. Mediterr J Nutr Metab. **2008**. DOI 10.1007/s12349-008-0016-1.

Mandas A, Iorio EL, Congiu MG, Balestrieri C, Mereu A, Cau D, Dessì S, Correlli N. *Oxidative imbalance in HIV-1 infected patients treated with antiretroviral therapy*. Journal of Biomedicine and Biotechnology. **2009**. Article ID 749575, 7 pages. doi:10.1155/2009/749575.

Manna F. *New frontiers in the organism homeostasis regeneration* [original title "Nuove frontiere nella rigenerazione dell'omeostasi dell'organismo"]. Medicina Naturale. **2008**. November.

Mantovani G, Maccio A, Madeddu C, Mura L, Gramignano G, Lusso Mr, Murgia V, Camboni P, Ferrelli L, Mocci M, Massa E. *The impact of different antioxidant agents alone or in combination on reactive oxygen species, antioxidant enzymes and cytokines in a series of advanced cancer patients at different sites: correlation with disease progression*. Free Radical Research. **2003**. 37 (2): 213–223.

Mantovani G, Macciò A, Madeddu C, Mura L, Massa E, Gramignano G, Lusso MR, Murgia V, Camboni P, Ferrelli L. *Reactive oxygen species, antioxidant mechanisms and serum cytokine levels in cancer patients: impact of an antioxidant treatment*. J Cell Mol Med. **2002**. 6 (4): 570–582.

Marchetti V, Pasquini A, Luchetti E, Cardini G. *Age-related changes of free radicals oxygen and biological antioxidant potential in dogs* [original title "Radicali liberi dell'ossigeno e potenziale antiossidante biologico nel cane in relazione all'età"]. Proceedings LIX Convegno Nazionale – Società Italiana delle Scienze Veterinarie Viareggio (Italy). 2005, 21 – 24 September. **2005**. 329–330.

Margaritis I, O'Donovan I. *Oxidative status and the paradox of sport shortening and prolonging life*. Proceedings International Conference on Ageing. Paris. 2004. March, 19. **2004**. P. 39.

Mariani MM. *The assessment of oxidative stress before, during and after EDTA chelation therapy by*

- means of the d-ROMs test [original title "Studio dello stress ossidativo tramite d-ROMs test prima durante e dopo terapia chelante con EDTA"]. *Minerva Cardioangiologica*. **2002**. 50 (6, suppl. 1): 138–139.
- Markoulis N, Gourgoulisanis KI, Moulas A, Gerogianni E, Molyvdas AP. *Reactive oxygen metabolites as an index of chronic obstructive pulmonary disease severity*. *Panminerva Med*. **2006**. 48(4): 209–213.
- Marshall-Manifold T. *Ozone as an oxidant and its influence on free radical activity and antioxidant levels in the human environment in disease and health*. International Ozone Association Medical Conference. 14th-15th September, 2001. **2001**.
- Martarelli D, Cacchioni M, Scuri S, Pompei P. *Diaphragmatic breathing reduces exercise-induced oxidative stress*. *eCAM*. **2011**. DOI: 10.1093/ecam/nep169.
- Martarelli D, Pompei P. *Oxidative stress and antioxidant changes during a 24-hours mountain bike endurance exercise in master athletes*. *J Sports Med Phys Fitness*. **2009**. 49(1): 122–127.
- Maruoka H, Komaki K, Inoue K. *Effects of muscle stress on oxidative stress*. *J Phys Ther Sci*. **2007**. 19: 273–276.
- Martinovic J, Dopsaj V, Kotur-Stevuljevic J, Dopsaj M, Stefanovic A, Kasum G, Vujovic A. *Are oxidative stress and antioxidant defense status associated with energy expenditure in athletes of various sports?* *Serbian Journal of Sport Sciences* **2010**. Vol.4 (2):75-81 UDC 616.088.9:577.344:546.21 ISSN 1820-6301 ID 175916044.
- Martinovic J, Dopsaj V, Kotur-Stevuljevic J, Dopsaj M, Vujovic A, Stefanovic A, Nesic G. *Oxidative stress biomarkers monitoring in elite women volleyball athletes during a 6-week training period*. *J Strength Cond Res*. **2011** may;25(5):1360-7 doi:10.1519/JCS.0b013e3181d85a7f.
- Masi S, Salpea K, Li K et al. *Oxidative stress, chronic inflammation and telomere length in patients with periodontitis*. *Free Radic Biol Med*. **2011** Mar 15;50(6):730-5.
- Matsushita M, Kumano-go T, Suganuma N, Adaki H, Yamanura S, Morishima H, Shigedo Y, Mikami A, Takeda M, Sugita Y. *Do depressive symptoms correlate with oxidative stress in a sample of healthy college students?* *The European journal of psychiatry*. **2010**. Vol.24 (2): 63-69. DOI: 10.4321/S0213-61632010000200001.
- Marzatico F. *On the use of d-ROMs test in a pilot study on the effects of a acute and chronic transcutaneous administration of ginkgo biloba* [original title "Utilizzo del d-ROMs test in uno studio pilota sugli effetti di una somministrazione transdermica acuta e cronica di ginkgo biloba"]. **1999**. *CLINICAL REPORT*.
- Marzo C, Giannattasio A, Guarino C, Ambrosino A, Marrazzo R, De Vita G, Peticca M, Basile G, Carratelli M, Metafora S. *Relationship between membrane lipoperoxides activity and the enzyme glutathione peroxidase in normal and abnormal lung cells* [original title "Correlazione tra attività dei lipoperossidi di membrana e l'enzima glutathione perossidasi delle cellule polmonari normali e patologiche"]. *Proceedings National Congress of American College of Chest Physicians*. November 27-28, 1998. Naples, Italy. **1998**.
- Mastromatteo A, Labate A, Cappello V, Recupero V, Cruciani F, Senofonte O. *A preliminary survey on the free radical concentration in the serum of patients with advanced cataract* [original title "Indagine preliminare sulla concentrazione dei radicali liberi nel siero di pazienti con cataratta avanzata"]. *Oftalmologia Sociale*. **2003**. 24 (4): 20–26.
- Mattar EH, Haffor ASA. *Effect of dobutamine and hyperoxia on free radicals production in relation to the ultrastructural alterations in the endothelial of myocardial capillary in rats, Rattus norvegicus*. *Ultrastructural Pathology*. **2009**. 33(5): 209–215.
- Maugeri D, Santangelo A, Bonanno MR, Testai M, Abbate S, Lo Giudice F, Mamazza C, Puglisi N, Panebianco P. *Oxidative stress and aging: studies on an East-Sicilian, ultraoctagenarian population living in institutes or at home*. *Arch Gerontol Geriatr Suppl*. **2004**. 9: 271–277.
- Mazza C, De Chiara N. *Malattia parodontale, stress ossidativo e strategia alimentare antiossidante*. *Prevenzione & Assistenza Dentale* **2009** Vol.35 Issue 2 April 2009 pag.69-75.
- Melillo G, Iorio EL, Giuliano F, Balzano, Melillo EM. *Oxidative stress in patients with chronic obstructive pulmonary disease: validation of a new photometric test (exhalation test) for the measurement of hydrogen peroxide in exhaled breath condensate*. *Rassegna di Patologia dell'Apparato Respiratorio*. **2007**. 22: 98-104.
- Mello W.G, Biffe B.G., Morais S.R.L, Silva T.M., Rodriguez W, Castro J.C.B, Louzada M.J.Q, Chaves Neto A.H, Nakamune A.C.M.S. *Efeito do chá mate na capacidade antioxidante total e espécies reativas de oxigenio apos exercicio intenso*. **2011**. *Sciencias*

Fisiologicals. Programa multicentrico de pos-graduacao em Ciencias Fisilogicas.

Melzi d'Eril GV, Barassi A, Colpi GM, Piediferro G, Dogliotti G, Corsi MM. *Oxidative stress and antioxidant status in patients with erectile dysfunction*. RIMeL/IJLaM. **2008**. 4 (Suppl). 170.

Metelli MR, Bongioanni P, Manzone F, Fulceri F, Puccetti C, Panicucci E, Rossi B, Pietrini P. *Reactive oxygen metabolites (ROMs) in motor neuron disease*. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 137.

Minucci A, Persichilli S, Rossi C, Spada PL, Diaco ML, Roccarina D, Paladini S, De Sole P. *Plasma concentration of thiol groups and reactive oxygen metabolites* [original title "Contenuto plasmatico dei gruppi tiolici e dei metabolici reattivi dell'ossigeno"]. Biochimica Clinica. **2005**. 29 (2): 248.

Mochizuki T, Amenomori Y, Miyazaki R, Hasegawa T, Watanabe M, Fukuike K, Yonei Y. *Evaluation of exercise programs at a fitness club in female exercise beginners using anti-aging medical indicators*. Anti-Aging Medicine. **2009**. 6(8): 66–78.

Morganti P, Bruno C, Guarneri F, Cardillo A, Del Ciotto P, Valenzano F. *Role of topical and nutritional supplement to modify the oxidative stress*. International Journal of Cosmetic Science. **2002**. 24: 331–339.

Morganti P, Fabrizi G, Bruno C. *Protective effects of oral antioxidants on skin and eye function*. SKINmed. **2004**. 3 (6): 310–316.

Morisco F, Ascione A, Carbone A, De Luise G, Verde V, Caporaso N. *Measure of oxidative stress in patients with chronic hepatitis C undergoing antiviral treatment*. Digestive and liver disease. **2002**. 34 (Suppl. 1): A61.

Morisco F, Fogliano V, Ritteni A, Carbone A, Verde V, Caporaso N. *Serum hydroperoxides in chronic hepatitis C: A predictive parameter of sustained response to combination therapy*. Digestive and liver disease. **2002**. 34 (Suppl. 1): A61.

Morisco F, Verde V, Fogliano V, Ritieni A, Marmo R, De Luise G, Tuccillo C, Caporaso N. *Oxidative status in chronic hepatitis C: the influence of antiviral therapy and prognostic value of serum hydroperoxide assay*. Free Radic Res. **2004**. 38 (6): 573–580.

Morisco F, Verde V, Ritieni A, Fogliano V, Tuccillo C, Iasevoli P, Caporaso N. *Changes in the oxidative profile during combination therapy (IFN α -2 β + ribavirin) in chronic hepatitis C*. Journal of Hepatology. **2000**. 32 (Suppl. 2): 175.

Morisco F, Vitaglione P, Carbone A, Stingo S, Scarpati S, Ascione A, Marmo R, Fogliano V, Caporaso N. *Tomato functional foods as interferon adjuvant in HCV eradication therapy*. Proceedings 2nd Probiotics and prebiotics new foods. September 7– 9, 2003. Università Urbaniana. Rome (Italy). **2003**. Pp. 102–108.

Mosca L, Marcellini S, Pierluigi M, Mastroiacovo P, Moretti S, Famularo G, Peluso I, Santini G, De Simone C. *Modulation of apoptosis and improved redox metabolism with the use of a new antioxidant formula*. Biochemical Pharmacology. **2002**. 63: 1305–1314.

Moscato L, Beghelli D, Valbonesi A, Sensi M, Mangili PM, Marchi S, Battistacci L. *Effects of vitamin E and Selenium administration on natural immune response and oxidative status in Chianina beef cattle*. Proceedings 4th World Italian Beef Cattle Congress, Italy. 2005, April 29th – May 1st. **2005**. 403-408.

Murrow J.R, Sher S, Ali S, Uphoff I, Patel R, Porkert M, Le A.N, Jones D, Quyyumi A.A. *The differential effect of statin on oxidative stress and endothelial function: Atorvastatin versus pravastatin*. J Clin Lipidol. **2012**. Jan;6(1):42-9 Epub 2011 Sep.13.

Mutinati M, Spedicato M, Manca R, Trisolini C, Minoia G, Rizzo A, Sciorsci RL. *Influence of antibiotic therapy on serum levels of reactive oxygen species in ovariectomized bitches*. J Vet Pharmacol Ther. **2008**. 31 (1): 18–21.

Nagamoto – Nozawa

Nagamoto F, Fujino H, Takeda I, Ishihara A. *Effects of hyperbaric oxygenation on blood pressure levels of spontaneously hypertensive rats*. Clinical and experimental hypertension. **2010**. 32 (3): 193–197. DOI: doi:10.3109/10641960903254521.

Nagata K, Hasegawa T, Hirokado Y, Kiyama K, Otsuki C. *Lifestyle-related diseases and the oxidative stress regulation system*. Jpn J Psychosom Med. **2008**. 48: 177–183.

Nagata K, Hasegawa T, Kiyama K, Aoyama Y, Okano K, Hirokado Y. *A therapy for fibromyalgia syndrome using Yi-Gan San*. Journal of Japanese Association of Oriental Psychosomatic Medicine. **2006**. 21 (1-2): 46–47.

Nagata K, Kasuya N, Hayashi H. *Oxidative stress and anti-oxidant potential of the students complaining chronic fatigue*. Campus Health. **2006**. 43 (2): 83-88.

Nakayama K, Terawaki H, Nakayama M, Iwabuchi M, Sato T, Ito S. *Reduction of serum antioxidative*

- capacity during haemodialysis. *Clin Exp Nephrol*. **2007**. 11: 218–224.
- Nakayama N, Yamaura K, Shimada M, Ueno K. *Extract from peel of Citrus natsudaidai alleviates experimental chronic allergic dermatitis in mice*. *Pharmacognosy Res*. **2011**. jul-Sep; 3(3):155-159. doi:10.4103/0974-8490.84999.
- Nanni G, Dolci A, Roi GS, Palli R, Bangi G. *On the usefulness of biochemical monitoring of oxidative stress and antioxidant activity during a football season* [original title "Utilità del monitoraggio biochimico dello stress ossidativo e dell'attività antiossidante durante la stagione calcistica"]. *Proceedings 18th National Congress L.A.M.I.CA*. June 18–20, 1998. Campione d'Italia, Italy. **1998**. P. 66.
- Nappi G, De Luca S, Di Biase P. *Antioxidant action of "S. Pellegrino" mineral water* [original title "Effetto antiossidante dell'acqua minerale 'San Pellegrino'"]. *Medicina Clinica e Termale*. **2003**. 53–54.
- Nappi G, De Luca S, Baronio L. *Free radical variation with mud-bath therapy by "S. Pellegrino" Thermae (Italy)* [original title "Variazione dei radicali liberi in fangobalneoterapia presso le terme di San Pellegrino"]. *Medicina Clinica e Termale*. **2005**. 56: 7–18.
- Nappi G, De Luca P, Magrassi et al. *Effects of oral administration of the "LETE" mineral water on reactive oxygen metabolites (ROM) and biological antioxidant potential (BAP)*. *Progress in Nutrition* **2001** vol 13, N°2(2011).
- Neuman RB, Bloom HL, Shukrullah I, Darrow LA, Kleinbaum D, Jones DP, Dudley SC Jr. *Oxidative stress markers are associated with persistent atrial fibrillation*. *Clinical Chemistry*. **2007**. 53 (9): 1652–1657.
- Nishikawa T, Okamoto Y, Kodama Y, Tanabe Y, Shinokoda Y, Kawano Y. *Serum derivative of reactive oxygen metabolites (d-ROMs) in pediatric hemato-oncological patients with neutropenic fever*. *Pediatric Blood Cancer*. **2010**. 15; 55 (1): 91-104.
- Nishiyama T, Hamano Y, Matsumoto S, Watanabe S, Isshiki J. *Perioperative changes of free radicals utilizing a new hydroperoxide analytical system*. *Proceedings 19th Society for Researches on Body Fluid and Metabolism*. January 24th, 2004. Tokyo Medical University Hospital. **2004**.
- Nojima J, Miyakawa M, Kodama M, Motoki Y, Tsuneoka H, Hinoda Y. *Measurement of the oxidation stress degree by the automated analyzer JCA-BM1650*. *CLINICAL REPORT*. **2009**.
- Nojima J, Motoki Y, Tsuneoka H, et al. *Oxidation stress index as a possible clinical marker for the evaluation of non-Hodgkin lymphoma*. *British Journal of Haematology*. **2011** doi:10.1111/j.1365-2141.2011.08719.x
- Nonaka T, Fukuda K, Hamanishi C. *Can human plasma redox state be used to monitor the progression of rheumatoid arthritis?* *Antioxidants & Redox Signaling*. **2005**. 7 (9–10): 1405–1408.
- Novembrino C, Bamonti F, Campise MR, Tarantino A, Ippolito S, Ponticelli C, Maiolo AT. *Homocysteine metabolism and oxidative stress after kidney transplantation*. *Clin Chem Lab Med*. **2001**. 39 (Special Supplement): S115.
- Novembrino C, Bamonti F, Ippolito S, Lorenzano F, Lonati S, Della Noce C, Tonini A, Accinni R. *A new approach to the risk for cardiovascular diseases* [original title "Nuovo approccio al rischio di patologia cardiovascolare"]. *Biochimica Clinica*. **2002**. 26 (3): 267.
- Novembrino C, Berardinelli L, Lonati S, Carini M, Ippolito S, Bamonti F. *Follow-up of homocysteinemia and oxidative status in renal transplant recipients*. *J Inher Metab Dis*. **2003**. 26 (Suppl 1): 96.
- Novembrino C, Berardinelli L, Lonati S, Carini M, Ippolito S, Bamonti F. *Homocysteinemia and oxidative stress in renal transplant recipients*. *Clin Chem Lab Med*. **2003**. 41 (Special Supplement): S 344.
- Novembrino C, Bonara P, Campise M, Frugoni C, Todisco G, Lonati S, Berardinelli L, Bamonti F. *Markers of endothelial damage in kidney transplant: a pilot study*. *Biochimica Clinica*. **2005**. 29 (2): 198.
- Novembrino C, De Vecchi A, Ippolito S, Lonati S, Bamonti-Catena F. *Oxidative stress after iron administration to peritoneal dialysis patients*. *Clin Chem Lab Med*. **2002**. 40 (Special Supplement): S 213.
- Novembrino C, Lonati S, Pedrazzini E, Vigna L, Bordini L, Leoni E. *Oxidative status and homocysteine metabolism in obese subjects*. *Clin Chem Lab Med*. **2007**. 45 (Special Supplement): S152.
- Nozawa Y, Ishizaki T, Kuroda M, Noguchi T. *Consumption of dried-bonito broth acutely increases peripheral blood flow in humans*. *Journal of Health Science*. **2007**. 53 (3): 339–343.
- Nozawa Y, Ishizaki T, Kuroda M, Takahashi K, Ebihara S, Itoh T. *Ingestion of dried-bonito broth ameliorates blood fluidity in humans*. *Journal of Health Science*. **2007**. 53 (5): 543–551.

Obayan– Özbay

Obayan AOE. *Oxidative stress: natural history and modulation in surgery and trauma patients.* Thesis Submitted to the College of Graduate Studies and Research in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in the Department of Surgery University of Saskatchewan. Saskatoon. **2004.**

Ohthaki H, Satoh A, Nakamachi T, Yofu S, Dohi K, Mori H, Ohara K, Miyamoto K, Hashimoto H, Shin-tani N. *Regulation of oxidative stress in pituitary adenylate cyclase activating polypeptide (PACAP) mediated by PACAP receptor.* Journal of Molecular Neuroscience. **2010.** Vol. 2, n.3, 397-403. DOI: 10.1007/s12031-010-9350-0.

Okazaki M, Iwata N, Horiuchi S, Kamiuchi S, Suzuki F, Iizuka H, Hibino Y. *Protective effects of a water-soluble extract from culture medium of ganoderma lucidum mycelia against neuronal damage after hypoxia-ischemia in mice.* Japanese Journal (?). **2008.** 6: 153–162.

Onoue S, Ochi M, Gandy G, Seto Y, Igarashi N, Yamauchi Y, Yamada S. *High-throughput screening system for identifying phototoxic potential of drug candidates based on derivatives of reactive oxygen metabolites.* Pharmaceutical Research. **2010.** Vol.27 (8): 1610-1619. DOI: 10.1007/s11095-010-01611-3.

Oran B, Atabek E, Karaaslan S, Reisli Ý, Gültekin F, Erkul Ý. *Oxygen free radicals in children with acute rheumatic fever.* Cardiology in the Young. **2001.** 11 (3): 285–288.

Oriani G, Corino C, Pastorelli G, Pantaleo L, Ritieni A, Salvatori G. *Oxidative status of plasma and muscle in rabbits supplemented with dietary vitamin E.* Journal of Nutritional Biochemistry. **2001.** 12: 138–143.

Oskarbski GV. *Supplementation and possibile integration in cutaneous ageing* [original title "Supplementazione e integrazione possibile nell'invecchiamento cutaneo"]. Proceedings IV International Congress of the Ageing Society. **2002.** 138.

Ohtaki H, Yofu S, Nakamachi T, Satoh K, Shimizu A, mori H, Sato A, Iwakura Y, Matsunaga M, Shioda S. *Nucleoprotein diet ameliorates arthritis symptoms in mice transgenic for human T-cell leukemia virus type I (HTLV-1).* **2010.** Journal Clinical Biochemistry. Vol 46. 93-104.

Özbay B, Dülger H, Gencer M, Uzun K, Tarakçioğlu M. *Diagnostic value of Reactive Oxygen Metabolites (ROM) in malignant and nonmalignant pleural effu-*

sions [original title "Malign ve Nonmalign Plevra Sıvılarında Serbest Oksijen Radikallerinin Tanısal Değer"]. Van Tıp Dergisi. **2000.** 7 (3): 102-105.

Palleschi – Pugliano

Palleschi S, De Angelis S, Diana L, Rossi B, Papa V, Severini G, Splendiani G. *Reliability of oxidative stress biomarkers in hemodialysis patients: a comparative study.* Clin Chem Lab Med. **2007.** 45 (9): 1211–1218.

Palumbo R, Bondanini F, Vitaliano E, Chiaretti B, Galliani M, Tarquini G, Travaglia S, Paone A, Zeponi E. *Hemodialysis and oxidative stress: reactive oxygen metabolites determination* [original title "Emodialisi e stress ossidativo: determinazione dei derivati dei metaboliti reattivi dell'ossigeno"]. Giornale Italiano di Nefrologia. **2000.** 17 (3, Special Number): 73.

Palumbo R, Chiaretti B, Bondanini F, Vitaliano E, Tarquini G, Galliani M, Di Blasi S, Paone A. *Chronic renal failure, free radicals, and the oxidant/antioxidant status.* Journal of The American Society of Nephrology. **2000.** 11: 73A.

Palumbo R, Chiaretti B, Vitaliano E, Bondanini F, Galliani M, Tarquini G, Travaglia S, Di Blasi S, Paone A, Zeponi E. *Oxidative stress and chronic renal failure: effects of hemodialysis.* Proceedings 37th Congress of the European Renal Association - European Dialysis and Transplant Association. First combined congress with European Kidney Research Association. September 17-20, 2000. Nice, France. **2000.** P. 246.

Pansini F, Cervellati C, Guariento A, Stacchini MA, Castaldini C, Bernardi A, Pascale G, Bonaccorsi G, Patella A, Bagni B, Mollica G, Bergamini CM. *Oxidative stress, body fat composition, and endocrine status in pre- and postmenopausal women.* Menopause. **2008.** 15 (1): 112–118

Papageorgiou E, Kostikas K, Kiropoulos, Karetsi E, Mpatavanis G, Gourgoulanis KI. *Increased oxidative stress in exudative pleural effusions: a new marker for the differentiation between exudates and transudates?* Chest. **2005.** 128 (5): 3291–3297.

Papageorgiou E, Kostikas K, Kiropoulos, Karetsi E, Mpatavanis G, Gourgoulanis KI. *Increased oxidative stress in exudative pleural effusions: a new marker for the differentiation between exudates and transudates?* Chest. **2006.** 130: 1276–1277. REPLY OF AUTHORS.

Park SJ, Kim ES, Choi YS, Kim J-D. *Effects of Sophorae fructus on antioxidative activities and lipid levels in rats.* J Korean Soc Food Sci Nutr. **2008.** 37(9): 1120–1125.

- Parmigiani S, Gambini L, Massari A, Pezzani I, Bevilacqua G. *Evaluation by micromethod of reactive oxygen metabolites in the newborn: assessment of normality standards* [original title "Valutazione con micrometodo dei metaboliti reattivi dell'ossigeno nel neonato: determinazione degli standard di normalità"]. Proceedings 7th National Congress of Italian Society of Perinatal Medicine "Medicina Perinatale '98". March 25–28, 1998. Bari, Italy. **1998**. 266–269.
- Parmigiani S, Gambini L, Massari A, Pezzani I, Payer C, Bevilacqua G. *Evaluation of reactive oxygen metabolites with micromethod in neonates: determination of standards of normality in full-term babies*. Acta Biomed Ateneo Parmense. **1997**. 68 (Suppl. 1): 103–106.
- Parmigiani S, Payer C, Massari A, Bussolati G, Bevilacqua G. *Normal values of reactive oxygen metabolites on the cord-blood of full-term infants with a colorimetric method*. Acta Biomed Ateneo Parmense. **2000**. 71 (1–2): 59–64.
- Pasquini A. *Free radicals in working-dogs* [original title "I radicali liberi nei cani da lavoro"]. Il Bracco Italiano. **2006**. 2: 9. Popular article.
- Pasquini A, Luchetti E, Ariti G, Nardoni S, Cardini G. *Leishmaniasis and oxidative status in a hunting dog breeding* [original title "Leishmaniosi e stato ossidativo in un allevamento di cani da caccia"]. Annali Fac Med Vet. **2007**. LX :235-239.
- Pasquini A, Luchetti E, Cardini G. *Oxidative stress and recovery of hunting dogs* [original title: "Stress ossidativo e tempi di recupero nel cane da caccia"]. Annali Fac Med Vet. **2006**. LIX: 229–235.
- Pasquini A, Luchetti E, Cardini G, Guidi G, Bondi S. *Oxidative status valuation in search and rescue dogs: preliminary results* [original title "La valutazione dello stato ossidativo in cani da ricerca persone travolte dalle macerie: risultati preliminar"]. Annali Fac Med Vet. **2005**. LVIII: 327–339.
- Pasquini A, Luchetti E, Marchetti V, Cardini G, Iorio EL. *Analytical performances of d-ROMs test and BAP test in canine plasma. Definition of the normal range in healthy Labrador dogs*. Vet Res Commun. **2008**. 32 (2): 137–143.
- Pasquini A, Simonetti P, Luchetti E, Bardana C, Cardini G. *The Ginkgo biloba in the diet of ageing dog*. [original title "Il Ginkgo biloba nella dieta del cane anziano"]. Praxis Veterinaria. **2005**. 26 (2): 1-10.
- Patel R.S, Mheid I.A, Morris A.A., Ahmed Y, et al. *Oxidative stress in associated with impaired arterial elasticity*. Atherosclerosis. **2011**. Sep;218(1):90-5 Epub May6.
- Pece A, Marchetti M, Pallotti R. *The free radicals* [original title: "I radicali liberi"]. SOOFT Italia Ed. **2006**. Book.
- Pedernera M, Celi P, Garcia Sc, Salvin H, Barchia I, Fulkerson WJ. *Effect of diet, Energy balance and milk production on oxidative stress in early-lactating dairy cows grazing pasture*. The Veterinary journal. **2010**. 186 (2010) 352-357. DOI: 10.1016/j.tvjl.2009.09.003.
- Pedernera M, Salvin H, Celi P, Garcia Sc, Barchia I, Fulkerson Wj. *Oxidative stress and its association with milk production and energy balance in early lactating cows on pasture-based systems*. **2006**.
- Pedernera-Romano M, Salvin H, Celi P, Garcia Sc, Horadagoda A, Barchia I, Fulkerson Wj. *Oxidative stress in early lactating cows fed to produce 6000 or 9000L milk/lactation in pasture-based system: preliminary results*. **2006**.
- Pereska Z, Dejanova B, Bozinovska C, Petkovska L. *Prooxidative/antioxidative homeostasis in heroin addiction and detoxification*. Bratisl Lek Listy. **2007**. 108 (9): 393–398.
- Perrone S, Longini M, Marzocchi B, Picardi A, Bellieni CV, Proietti F, Rodriguez A, Turrisi G, Buonocore G. *Effects of lutein on oxidative stress in the term newborn: a pilot study*. Neonatology. **2009**. 97(1): 36–40 [Epub ahead of print].
- Pešić S, Jakovljević V, Čubrilo D, Živković V, Jorga V, Mujović V, Stojimirović B. *Oxidative status evaluation in elite karate athletes during training process* [original title "Evaluacija oksidativnog statusa kod vrhunskih sportista-karatista u procesu treninga"]. Vojnosanitetski Pregled. **2009**. 66(7): 551–555.
- Piccione G, Casella S, Assenza A, Fazio F, Caola G. *Evaluation of serum homocysteine and oxidative stress during lactation in ewes*. Czech J Anim Sci. **2008**. 53(11): 462–465.
- Piccione G, Giannetto C, Fazio F, Pennisi P, Caola G. *Evaluation of a total locomotor activity and oxidative markers daily rhythms in sheep*. Biological Rhythm Research. **2010**. Vol.41 No.6 Dec.2010,433-439
- Pironi L, Guidetti M, Zolezzi C, Fasano MC, Paganelli F, Merli C, Bersani G, Pizzoferrato A, Miglioli M. *Peroxidation potential of lipid emulsions after compounding in all-in-one solutions*. Nutrition. **2003**. 19 (9): 784–788.

Pitocco D, Zaccardi F, Di Stasio E, Romitelli F, Santini S.A, Zuppi C, Ghirlanda G. *Oxidative stress, nitric oxide and diabetes*. The Rev. of Diabetic Studies. **2010** doi:10.1900/RDS.2010.7.15.

Pontiggia P, Silvotti MG, Martano F, Cuppone Curto F, Rotella GB, Sabato A. *The role of whole body hyperthermia in AIDS patients: effects on the free radicals level*. Med Biol Environm **1995**. 23 (2): 279–282.

Porkert M, Sher S, Alexopoulos E, Pedersen MF, Terry JB, Narlow K, Reddy U, Ziegler TR, Dunbar SB, Jones DP, Harrison D, Taylor WR, Sutcliffe D, Hooper C, Wayne Alexander R, Quyyumi AA. *Effects of mediterranean diet or supplements on circulating endothelial progenitor cells in obesity*. JACC. **2006**. 345A.

Pugliano M, Biondi ML, Vanelli C, Gardellini A, Battaglioli L, Erario M, La Torre A, Turri O, Maioli C, Gerli GC. *Plasma homocysteine and oxydative stress in polycythemia vera and essential thrombocythemia. Effect of folic acid supplementation*. Haematologica. **2005**. 90 (S3): 67.

Rampoldi – Ruskowska

Rampoldi C. *The measurement of oxidation reduction phenomenon* [original title "La misura dei fenomeni ossidoriduttivi"]. Giornale Italiano delle Malattie del Torace. **1998**. 4: 277–281.

Raponi G, Alpini D, Volontà S, Capobianco S, Cesarani A. *The role of free radicals and plasmatic antioxidant in Ménière's syndrome*. International Tinnitus Journal. **2003**. 9 (2): 104–108.

Razzano M. *Free radicals and oxidative stress. The laboratory: methods for assessment* [original title "Radicali liberi e stress ossidativo. Il laboratorio: metodi di valutazione"]. CAM INFORMA. **2000**. 3: 1–4.

Razzano M, Brambilla P, Picozzi I, Gironi A, Giani E. *Assessment of some metabolic and oxidative parameters in athletes during an agonistical season* [original title "Valutazione di alcuni parametri metabolici ed ossidativi in atleti nel corso di una stagione agonistica"]. Biochimica Clinica. **2001**. 25 (2): 139.

Razzano M, Massaroli C, Cazzaniga S, Cavanna F, Colombo F, Brambilla P. *Association between free radicals and microvascular complications in type 2 diabetes mellitus* [original title "Associazione fra radicali liberi e complicanze microvascolari nel diabete mellito di tipo 2"]. Il Diabete. **2002**. 1 (Suppl 1): 49.

Regano N, Iorio E.L, Guglielmi A, Mazzuoli S, Francavilla A, Fregnan S, Leogrande G, Guglielmi FW. *The assessment of oxidative stress in clinical practice*

and its importance in nutrition. Nutritional Therapy & Metabolism. **2008**. 26(4): 149-162.

Reid M, Badaloo A, Forrester T, Jahoor F. *In vivo rates of erythrocyte glutathione synthesis in adults with sickle cell disease*. Am J Physiol Endocrinol Metab. **2006**. 291: E73-E79.

Rekitt M, Hiss S, Sauerwein H. *The effects of feeding antioxidative supplements on haptoglobin (Hp) and serum amyloid A (SAA) serum concentrations in horses*. Biofocus GmbH, Recklinghausen, Germany and Institute of Physiology, Biochemistry and Hygiene of Domestic Animals, Bonn University, Germany. **2002**. CLINICAL REPORT.

Ricci A, Ruffini I, Cesarone MR, Cornelli U, Corsi M, Belcaro G, Ippolito E, Dugall M. *Variations in plasma free radicals with topical aescin + essential phospholipids gel in venous hypertension: new clinical data*. Angiology. **2004**. 55 (Suppl 1): S11–S14.

Ridker PM, Brown NJ, Vaughan DE, Harrison DG, Mehta JL. *Established and emerging plasma biomarkers in the prediction of first atherothrombotic events*. Circulation. **2004**. 109 (Suppl. IV): IV-6 – IV-19.

Rizzato G. *Death due to air pollution: role of oxidative stress and protection of an antioxidant aerosol* [original title "Mortalità da inquinamento atmosferico: ruolo dello stress ossidativo e potere tampone di un aerosol antiossidante"]. Giornale Italiano delle Malattie Toraciche. **2000**. 54 (3): 204–212.

Rizzo A, Minoia R, D'Amico P, Sciorsci RL. *Free radicals evaluation in serum and fluid of cows with follicular cysts*. Proceedings 15th International Congress On Animal Reproduction (ICAR). August 8–9, 2004. Porto Seguro, Bahia (Brazil). **2004**.

Rizzo A, Minoia G, Trisolini C, Manca R, Sciorsci RL. *Concentrations of free radicals and beta-endorphins in repeat breeder cows*. Animal Reproduction Science. **2007**. 100: 257–263.

Rizzo A, Minoia G, Trisolini C, Mutinati M, Spedicato M, Jirillo F, Sciorsci RL. *Reactive Oxygen Species (ROS): involvement in bovine follicular cysts etiopathogenesis*. Immunopharmacol Immunotoxicol. **2009**. Apr 30 [Epub ahead of print].

Rizzo A, Trisolini C, Minoia G, Manca R, De Sandro A, Sciorsci RL. *Serum level of reactive oxygen species (ROS) in sheep's peripartum* [original title "Livelli sierici dei ROS (Reactive Oxygen Species) nel parto delle pecore"]. Proceedings III Congresso Nazionale Ente Nazionale Prevenzione Assistenza Veterinaria (ENPAV). Società Italiana di Riproduzione

ne Animale (SIRA). 28-30 aprile 2005. Roma (Italy). **2005**. 104–106.

Ronzani G, Giaretta R, Morello M. *Evaluation of oxidative stress and antioxidative action of green tea catechins in patients treated with tamoxifen: a randomized open-label, crossover study*. Mediterranean Journal of Nutrition and metabolism. **2011**. Vol.4 N°2 Aug.2011 127-132(6).

Rosolia A, Di Leo T, Iorio EL, Lipartiti T. *The d-ROMs test automation: analytical performances and clinical applications* [original title "Automazione del d-ROMs test: performance analitiche ed applicazioni cliniche"]. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 172.

Rossi GP, Maiolino G, Zanchetta M, Sticchi D, Pedon L, Cesari M, Montemurro D, De Toni R, Zavattiero S, Pessina AC. *The T-786C endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients*. J Am Coll Cardiol. **2006**. 48 (6): 1166–1174.

Rubolini D, Romano M, Bonisoli Alquati A, Saino N. *Early maternal, genetic and environmental components of antioxidant protection, morphology and immunity of yellow-legged gull (Larus michahellis) chicks*. Journal Compilation. European Society for Evolutionary Biology. **2006**. 19: 1571–1584.

Ruffini I, Belcaro G, Cesarone MR, Geroulakos G, Di Renzo A, Milani M, Coen L, Ricci A, Brandolini R, Dugall M, Pomante P, Cornelli U, Acerbi G, Corsi M, Griffin M, Ippolito E, Bavera P. *Evaluation of the local effects of vitamin E (E-Mousse) on free radicals in diabetic microangiopathy: a randomized, controlled trial*. Angiology. **2003**. 54(4): 415–421.

Ruskovska T, Dimovska J, Georgieva B, Nikolovski A. *Influence of lovastatin and combined antioxidant therapy on oxidative status parameters*. Free Radical Research. **2006**. 40 (S1): S117.

Saigo – Suzuki

Saigo K, Takenokuchi M, Imoto S. *Neutrophil function tests and oxidative stress detection as clinical examinations*. Rinsho Byori. **2008**. 56(9): 791–801.

Saito K, Nagashima M. *Changes in reactive oxygen metabolites (ROM), biological antioxidant potential (BAP) and blood filtration time (BFT) after a single exposure to hyperbaric air chamber*. Proceedings Congress of Kyushu Society for Hyperbaric Medicine (KSHM). **2008**. 1-7.

Sakagami H, Asano K, Satoh K, Takahashi K, Terakubo S, Shoji Y, Nakashima H, Nakamura W. *Anti-stress activity of mulberry juice in mice*. In Vivo. **2006**. 20 (4): 499–504.

Sakamoto R, Matsubayashi K, Kimura Y, Ishine M, Kosaka Y, Wada T, Wada C, Nakatsuka M, Ishimoto Y, Hiroaki M, Kasahara Y, Konno A, Chen W, Fujisawa M, Otsuka K, Nakashima M, Wang H, Dai Q, Yang A, Qiao H, Gao J, Li Z, Zhang Y, Ge R-L, Okumiya K. *Comprehensive geriatric assessment of elderly highlanders in Qinghai, China, III: oxidative stress and aging in Tibetan and Han elderly highlanders*. Geriatr Gerontol Int. **2009**. doi: 10.1111/j.1447-0594.2009.00544.x

Sakane N, Fujiwara S, Sano Y, Domichi M, Tsuzaki K, Matsuoka Y, Hamada T, Saiga K, Kotani K. *Oxidative stress, inflammation, and atherosclerotic changes in retinal arteries in the Japanese population; results from the MIMA Study*. Endocrine J. **2008**. 55(3): 485–488.

Sakhi A, Russenes KM, Thoresen M, Bastani NE, Karlsen A, Smeland S, Blomhoff R. *Pre-radiotherapy plasma carotenoids and markers of oxidative stress are associated with survival in head and neck squamous cell carcinoma patients: a prospective study*. BMC Cancer. **2009**. 9: 458 DOI: 10.1189/1471-2407-9-458.

Salardi S, Zucchini S, Elleri D, Grossi G, Bargossi Am, Gualandi S, Santoni R, Cicognani A, Cacciari E. *High glucose levels induce an increase in membrane antioxidants, in terms of vitamin E and Coenzyme Q₁₀, in children and adolescents with type 1 diabetes*. Diabetes Care. **2004**. 27 (2): 630–631.

Samouilidou E, Grapsa E, Karpouza A, Lagouranis A. *Reactive oxygen metabolites: a link between oxidative stress and inflammation in patients on hemodialysis*. Blood Purif. **2007**. 25 (2): 175–178.

Satoh T, Yamakage M, Satoh J, Namiki A. *Effect of aging on preoperative oxidative stress*. Masui. **2007**. 56 (12): 1422–1424.

Sauerwein H, Schmitz S, Hiss St. *The acute phase protein haptoglobin and its relation to oxidative status in piglets undergoing weaning-induced stress*. Redox Report. **2005**. 10 (6): 295–302.

Scalinci SZ, Scorolli L, Gaudiano RM, Morara MC, Meduri RA, Ciardella AP. *Circulating antioxidants in patients suffering from senile macular degeneration. Our experience*. [original title "Antiossidanti in circolo in pazienti affetti da DMS (degenerazione maculare senile). Nostra esperienza"]. Proceedings 88° Congresso Nazionale Società Oftalmologia Italiana (SOI). Novembre, 26-29, 2008. Rome, Italy. **2008**. 123–124.

Scartezzini P et Al. *A natural remedy against free radicals. Amrit Kalash Maharishi* [original title "Un

rimedio naturale contro i radicali liberi. Amrit Kalash Maharishi]. Maharishi Vedic University. Terni, Italy. **2002**.

Scalinci SZ, Scorolli L, Gaudio RM, Morara M, Meduri A, Vismara S. *Determination du cycle des radicaux libre set effets cliniques chez les patientes soumis a un regime alimentaire determiné et role des anti-oxydants*. Journal Français d'Ophthalmologie. **2009**. Vol 32. N.HS1 p.20. DOI: JFO-04-2009-32-HS1-181-5512-101019-200902360.

Scartezzini P et Al. *Free radicals in diagnostics* [original title "*Radicali liberi nella diagnostica*"]. Maharishi Vedic University. Terni, Italy. **2002**.

Schell T, Neatu C. *Oxidative stress, implications in equine orthopedic disease, insulin resi stance and potential target for therapy*. Jahvma. **2010**. Vol.29, n.1: 11-15.

Schimke I, Müller J, Dandel M, Gremmels HD, Bayer W, Wallukat B, Wallukat G, Hetzer R. *Reduced oxidative stress in parallel to improved cardiac performance one year after selective removal of anti-beta 1-adrenoreceptor autoantibodies in patients with idiopathic dilated cardiomyopathy: data of a preliminary study*. J. Clin. Apheresis. **2005**. 20 (3): 137 - 142

Schmitt-Schillig S. *Untersuchung zu neuroprotektiven Effekten mediterraner Pflanzenextrakte auf oxidative Stress-Parameter in vitro und in vivo*. Dissertation Zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. phil. nat.) vorgelegt beim Fachbereich Chemische und Pharmazeutische Wissenschaften der Johann Wolfgang Goethe-Universität in Frankfurt am Main. **2005**.

Sciorsci RL, Lacalandra GM, D'Amico P, Minoia R, Rizzo A, Minoia P. *Free radicals evaluation in serum of cows with follicular cysts*. 2003. Proceedings IX World Conference on Animal Production (WCAP). October 26-31, 2003. Porto Alegre (RS), Brazil. **2003**. P. 226.

Secreto G, Colombo C, Venturelli E, Cavalleri A. *Oxidative stress in female patients included in the DIANA (Diet and Androgens) study: dietary education and planning* [original title "*Valutazione dello stress ossidativo nelle partecipanti allo studio DIANA (Diet and Androgens): progetto di educazione alimentare e di intervento sulla dieta*"]. La Medicina Biologica. **2004**. 3: 31-33.

Seki Y. *Evaluation of total oxidative stress by d-ROMs testing*. J Anal Bio-Sci. **2009**. 32(4): 301-306.

Serra A, Garozzo A, Cocuzza S, D'Amico VA, Carnevale G, Maiolino L. *Role of free radicals and their determination by means of d-ROMs test in Ménière's diseases* [original title "*Ruolo dei radicali liberi e loro determinazione mediante d-ROMs test nella malattia di Ménière*"]. Progressi in Audiologia e Vestibologia. **1999**. 3: 1-2.

Shimano M, Shibata R, Inden Y, Yoshida N, Uchikawa T, Tsuji Y, Murohara T. *Reactive oxidative metabolites are associated with atrial conduction disturbance in patients with atrial fibrillation*. Heart Rhythm. **2009**. 6(7): 935-940.

Shinoda N, Myake Y, Matushima Y, Suzuki I, Iwasa H, Iwasa M, Kosaca K, Hasegawa M, Naito Y. *Anti-tumor activity in the mixture of water soluble propolis (WSP) and Enterococcus faecalis (EF-2001)*. JAPANESE JOURNAL. **2009**. 189-194.

Siciliano G, D'Avino C, Del Corona A, Barsacchi R, Kusmic C, Rocchi A, Pastorini E, Murri L. *Impaired oxidative metabolism and lipid peroxidation in exercising muscle from ALS patients*. Amyotroph Lateral Scler Other Motor Neuron Disord. **2002**. 3 (2): 57-62.

Simonelli F, Zarrilli F, Mazzeo S, Verde V, Romano N, Savoia M, Testa F, Vitale DF, Rinaldi M, Sacchetti L. *Serum oxidative and antioxidant parameters in a group of Italian patients with age-related maculopathy*. Clinica Chimica Acta. **2002**. 320: 111-115.

Sivaram AG, Suresh MV, Indira M. *Combined effect of ascorbic acid and selenium supplementation on alcohol-induced oxidative stress in guinea pigs*. Comparative Biochemistry and Physiology. **2003**. Part C. 134: 397-401.

Spataro A, Crisostomi S, Cifra B, Di Cesare A, Di Giacinto B, De Blasis E, Poli P, Pucci N, Rizzo M. *The rowing ten years later* [original title "*Il canottaggio dieci anni dopo*"]. Medicina dello Sport. **2009**. 62(2): 209-240.

Squitti R, Barbati G, Rossi L, Ventriglia M, Dal Forno G, Cesaretti S, Moffa F, Caridi I, Cassett, E, Pasqualetti P, Calabrese L, Lupoi D, Rossin, PM. *Excess of nonceruloplasmin serum copper in AD correlates with MMSE, CSF [beta]-amyloid, and h-tau*. **2006**. Neurology. 67(1): 76-82.

Squitti R, Lupoi D, Pasqualetti P, Dal Forno G, Vernieri F, Chioyenda P, Rossi L, Cortesi M, Cassetta E, Rossini PM. *Elevation of serum copper levels in Alzheimer's disease*. Neurology. **2002**. 59: 1153-1161.

Squitti R, Pasqualetti P, Cassetta E, Dal Forno G, Cesaretti S, Pedace F, Finazzi-Agrò A, Rossigni PM.

Elevation of serum copper levels discriminates Alzheimer's disease from vascular dementia. Neurology. **2003**. 60: 1–2.

Squitti R, Pasqualetti P, Dal Forno G, Moffa F, Cassetta E, Lupoi D, Verzieri F, Rossi L, Baldassini M, Rossigni PM. *Excess of serum copper not related to ceruloplasmin in Alzheimer disease.* Neurology. **2005**. 64 (6): 1040–1046.

Squitti R, Rossini PM, Cassetta E, Moffa F, Pasqualetti P, Cortesi M, Colloca A, Rossi L, Finazzi-Agro A. *d-penicillamine reduces serum oxidative stress in Alzheimer's disease patients.* Eur J Clin Invest. **2002**. 32 (1): 51–59.

Squitti R, Salustri C, Siotto M, Ventriglia M, Vernieri F, Lupoi D, Cassetta E, Rossini P.M. *Ceruloplasmin/transferrin ratio changes in Alzheimer's disease.* **2011**. International journal of Alzheimer's disease. Vol 2011, Article ID 231595, DOI:10.461/2011/231595.

Sugiura T, Dohi Y, Takase H, Yamashita S, Tanaka S, Kimura G. *Increased reactive oxygen metabolites is associated with cardiovascular risk factors and vascular endothelial damage in middle-aged Japanese subjects.* Vasc health Risk Manag. **2001**; 7:475-482 doi:10.2147/VHRM.S23097.

Sukkar SG, Cella F, Rovera GM, Nichelatti M, Ragni G, Chiavenna G, Giannoni A, Ronzani G, Ferrari C. *A multicentric prospective open trial on the quality of life and oxidative stress in patients affected by advanced head and neck cancer treated with a new benzoquinone-rich product derived from fermented wheat germ (Avenar).* Mediterr J Nutr Metab. **2008**. 1: 37–42.

Sukkar SG, Rossi E. *Oxidative stress and nutritional prevention in autoimmune rheumatic diseases.* Autoimmunity Reviews. **2004**. 3 (3): 199–206.

Sukkar SG, Rossi E, Ragni G, Ferrari C, Abate F. *The antioxidants in onco-hematology* [original title "Antiossidanti in oncoematologia"]. ADI Magazine. **2006**. 4 (10): 415 – 418.

Suzuki S, Ota H, Kiuchi Y, Nemoto T, Kobayashi K, Matsukura S, Dohi K, Aruga T. *Serum levels of reactive oxygen metabolites as indicators of oxidative stress in acute mountain sickness.* Journal of the Showa Medical Association. **2006**. 66 (4): 291–297.

Suzuki S, Matsukura S, Takeuchi H, Kawaguchi M, Ieki K, Odaka M, Watanabe S, Homma T, Dohi K, Aruga T, Sato M, Kurokawa M, Kokubu F, Adachi M. *Increase in reactive oxygen metabolite level in acute exacerbations of asthma.* Int Arch Allergy Immunol. **2008**. 146 (Suppl 1): 67–72.

Suzuki YJ, Jain V, Park A-M, Day RM. *Oxidative stress and oxidant signalling in obstructive sleep apnea and associated cardiovascular diseases.* Free Radic Biol Med. **2006**. 40 (10): 1683–1692.

Tacchi – Tzanakari

Tacchi S. *Oxidative stress evaluation in the blood plasma and sinovial fluid of dogs suffering from joint diseases* [original title "Valutazione dello stress ossidativo nel plasma e liquido sinoviale di cani affetti da patologie articolari"]. Thesis. Facoltà di Medicina Veterinaria, Pisa (Italy). **2008**.

Taito S, Sekikawa K, Domen S, Konishi S, Kimura T, Takahashi T, Inamizu T. *Pulmonary oxidative stress is induced by maximal exercise in young cigarette smokers.* Nicotine Tob. Res. **2011** doi:10.1093/ntr/ntr237.

Takahashi K, Yoshimura K, Kitao T, Yamanouchi S, Kimata T, Tsuji S. *Intravenous immunoglobulin counteracts oxidative stress in Kawasaki disease.* Pediatric cardiol. **2012** doi:10.1007/s00246-012-0229-4.

Takouli L, Hadjiyannakos D, Metaxaki P, Sideris V, Filiopoulos A, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long-term effect on inflammation and oxidative stress.* Renal Failure. **2010**. Vol.32 (3): 287-293.

Tamaki N, Tomofuji T, Ekuni D, Yamanaka R, Yamamoto T, Morita M. *Short-term effects of non surgical periodontal treatment on plasma level of reactive oxygen metabolites in chronic periodontitis patients.* Journal of Periodontology. **2009**. doi:10.1902/jop.2009.080640.

Tamaki N, Tomofuji T, Maruyama T, Ekuni D, Yamanaka R, Takeuchi N, Yamamoto T. *Relationship between periodontal condition and plasma reactive oxygen metabolites in patients in the maintenance phase of periodontal treatment.* Journal of Periodontology. **2008**. DOI: 10.1902/jop.2008.080082.

Tanganelli I, Ciccoli L, Tansi R, Borgogni P, Rossi V, Gistri M, Pettinari O, Signorini C, Marisi M. *Markers of oxidative stress in diabetic patients.* Diabetes Research and Clinical Practice. **2000**. 50 (Suppl 1): S1.

Tavridou A, Efthimiadis A, Efthimiadis I, Paschalidou H. *Antioxidant effects of simvastatin in primary and secondary prevention of coronary heart disease.* Eur J Clin Pharmacol. **2006**. 62 (6): 485–489.

Tejero JF. *Preventive psychotherapy. Anxiety and stress* [Original title "Psicoterapia Preventiva. Ansiedad-Estrés"]. Thesis Master en Psicología

Clínica y de la Salud Curso 2 (Codigo PC2BAFSO 06). **2006**.

Testa. *Effects of a vitamin E-modified membrane on some plasma oxidative stress markers of hemodialyzed patients* [original title "Effetti di un filtro modificato con vitamina E su alcuni marker plasmatici di stress ossidativo in pazienti emodializzati"]. Report of the Hospital of Cremona. Cremona, Italy. **1999**. *CLINICAL REPORT*.

Tomasetti M, Strafella E, Staffolani S, Santarelli L, Neuzil J, Guerrieri R. *α -tocopheryl succinate promotes selective cell death induced by vitamin K3 in combination with ascorbate*. **2010**. British Journal of Cancer. Vol.102 : 1224-1234.

Tomofuji T, Ekuni D, Sanbe T, Irie K, Azuma T, Maruyama T, Tamaki N, Murakami J, Kokeyuchi S, Yamamoto T. *Effects of vitamin C intake on gingival oxidative stress in rat periodontitis*. Free Radic Biol Med. **2009**. 46(2): 163–168.

Tomofuji T, Irie K, Sanbe T, Azuma T, Ekuni D, Tamaki N, Yamamoto T, Morita M. *Periodontitis and increase in circulating oxidative stress*. Japanese Dental Science Review. **2009**. doi:10.1016/j.jdsr.2008.12.002.

Tremoli E, Cavalca V, Veglia F, De Franceschi M, Sillio E, Salvi L, Alimento M, Boccotti L, Folco G, Sala A. *Antioxidant capacity in coronary diseases*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S450.

Trotti R, Carratelli M, Barbieri M. *Performance and clinical application of a new, fast method for the detection of hydroperoxides in serum*. Panminerva Med. **2002**. 44 (1): 37–40.

Trotti R, Carratelli M, Bo P, Barbieri M, Mangiagalli A, Samuele A, Gabanti E, Blandini F. *Pro-oxidant activity and methionine metabolism in chronic alcohol abusers: relationship to alcohol withdrawal and folate administration*. Panminerva Med. **2004**. 46 (3): 161–164.

Trotti R, Carratelli M, Barbieri M, Micieli G, Bosone D, Rondanelli P, Bo P. *Oxidative stress and thrombophilic condition in alcoholics without severe liver disease*. Haematologica. **2001**. 86: 85–91.

Tsuchiya M, Sato EF, Inoue M, Asada A. *Open abdominal surgery increases intraoperative oxidative stress: can it be prevented?* Anesthesia & Analgesia. **2008**. 107(6): 1946–1952.

Tsuchiya M, Tosaka M. *There is a gender difference in the relationship between metabolic syndrome and oxidative stress among Japanese*. Clinical Re-

port. **2005**. Masako Medical Clinic, Tokuyama, Japan.

Tsumaki M, Saita Yoshimoto S, Ikeda H, Kaneko K, Yukishita T, Lee K, Kim S, Yokota S, Suetake N, Kobayashi H. *Effect of enpishin (press tack acupuncture needles) on automatic function, WBC count and oxidative stress*. Medicine & Healthcare **2011** Vol.3 N°7, 437-443 doi: 4236/health.2011.37072.

Tzanakari A, Efthimiadis I, Tavridou A, Efthimiadis Ap, Psirropoulos D, Lefkos N. *The antioxidant action of statins and other antioxidants in dyslipidaemia*. Hippokratia. **2004**. 8 (3): 128–132.

Usberti – Uva

Usberti M, Bufano G, Lima G, Gazzotti RM, Tira P, Gerardi GM, Di Lorenzo D. *Increased red blood cell survival reduces the need of erythropoietin in hemodialyzed patients treated with exogenous glutathione and vitamin E-modified membrane*. Contrib Nephrol. **1999**. 127: 208–214.

Usberti M, Gerardi G, Micheli A, Tira P, Bufano G, Gaggia P, Movilli E, Cancarini GC, De Marinis S, D'Avolio G, Broccoli R, Manganoni A, Albertini A, Di Lorenzo D. *Effects of a vitamin E-bonded membrane and of glutathione on anemia and erythropoietin requirements in hemodialysis patients*. J Nephrol. **2002**. 15: 558–564.

Usberti M, Gerardi G, Bufano G, Tira P, Micheli A, Albertini A, Floridi A, Di Lorenzo D, Galli F. *Effects of erythropoietin and vitamin E-modified membrane on plasma oxidative stress markers and anemia of hemodialyzed patients*. Am J Kidney Dis. **2002**. 40(3): 590–599.

Uva V, Novembrino C, De Giuseppe R, Vigna L, Leoni L, Ribaldi L, Bamonti F. *Homocysteine metabolism and oxidative status in obese subjects* [original title: "Metabolismo dell'omocisteina e stato ossidativo in soggetti obesi"]. Journal of clinical ligand assay. **2008**. 13(2): 166.

Valenti – Vuotto

Valenti L, Valenti G, Como G, Burdick L, Santarelli G, Dongiovanni P, Rametta R, Bamonti F, Novembrino C, Fracanzani AL, Messa PG, Fargion S. *HFE gene mutations and oxidative stress influence serum ferritin, associated with vascular damage, in hemodialysis patients*. Am J Nephrol. **2007**. 27:101–107.

Van Oostrom AJHMH, Plokker HWM, van Asbeck BS, Rabelink TJ, van Kessel KPM, Jansen EHJM, Stehouwer CDA, Castro Cabezas M. *Effects of rosuvastatin on postprandial leukocytes in mildly hyperlipidemic patients with premature coronary sclerosis*. Atherosclerosis. **2006**. 185 (2): 331–339.

- Various authors. *Detoxamin. Aktivált zeolit*. **2008**.
- Vassalle C. *An easy and reliable automated method to estimate oxidative stress in the clinical setting*. *Methods Mol Biol*. **2008**. 477: 31–39.
- Vassalle C. *A simple and reliable automated method to estimate the oxidative stress status in the clinical setting* [original title "Un metodo automatizzato per la valutazione dello stress ossidativo in ambito clinico"]. *Ligand Assay*. **2009**. 14(1) : 60–62.
- Vassalle C, Boni C, Di Cecco P, Landi P. *Elevated hydroperoxide levels as a prognostic predictor of mortality in a cohort of patients with cardiovascular disease*. *Int J Cardiol*. **2006**. 110(3): 415–416.
- Vassalle C, Boni C, Di Cecco P, Ndreu R, Zucchelli GC. *Automation and validation of a fast method for the assessment of in vivo oxidative stress levels*. *Clin Chem Lab Med*. **2006**. 44(11): 1372–1375.
- Vassalle C, Boni C, Di Cecco P, Zucchelli GC. *Type 2 diabetes and elevated serum hydroperoxide levels in patients with coronary artery disease*. *Biochimica Clinica*. **2005**. 29 (2): 164.
- Vassalle C, Cicinelli E, Lello S, Mercuri A, Battaglia D, Maffei S. *Effects of menopause and tibolone on different cardiovascular biomarkers in healthy women*. **2011** . *Gynecological Endocrinology* 2011 Mar; 27 (3): 163-9. DOI: 10.3109/09513590.2010.488770.
- Vassalle C, Landi P, Boni C, Zucchelli GC. *Hydroperoxide levels, as index of oxidative stress, in patients with coronary artery disease*. *Clinica Chimica Acta*. **2005**. 355: S103.
- Vassalle C, Landi P, Boni C, Zucchelli G. *Oxidative stress evaluated using an automated method for hydroperoxide estimation in patients with coronary artery disease*. *Clin Chem Lab Med*. **2007**. 45 (3): 367– 371.
- Vassalle C, Lubrano V, Boni C, L'Abbate A, Zucchelli GC. *Evaluation of oxidative stress levels in vivo by means of colourmetric and immunoenzymatic methods* [original title "Valutazione dei livelli di stress ossidativo in vivo mediante metodo colorimetrico ed immunoenzimatico"]. Report of National Council of Research. Institute of Clinic Physiology. Pisa, Italy. **2001**. *CLINICAL REPORT*.
- Vassalle C, Lubrano V, Carpeggiani C, L'Abbate A, Zucchelli GC. *Assessment of total antioxidant capacity by two different analytical methods*. Report of National Council of Research. Institute of Clinic Physiology. Pisa, Italy. **2002**. *CLINICAL REPORT*.
- Vassalle C, Maffei S, Boni C, Zucchelli GC. *Gender-related differences in oxidative stress levels among elderly patients with coronary artery disease*. *Fertility and Sterility*. **2007**. Doi: 10.1016/j.fertnstert.2007.03.052.
- Vassalle C, Maffei S, Ndreu R, Mercuri A. *Age-related oxidative stress modulation by smoking habit and obesity*. *Clin Biochem*. **2009**. 42(7-8): 739–741.
- Vassalle C, Masini S, Carpeggiani C, L'Abbate A, Boni C, Zucchelli GC. *In vivo total antioxidant capacity: comparison of two different analytical methods*. *Clinical Chemistry and Laboratory Medicine*. **2004**. 42 (1): 84–89.
- Vassalle C, Pratali L, Boni C, Mercuri A, Ndreu R. *An oxidative stress score as a combined measure of the pro-oxidant and anti-oxidant counterparts in patients with coronary artery disease*. *Clin Biochem*. **2008**. 1162–1167.
- Vassalle C, Novembrino C, Maffei S, Sciarrino R et al. *Determinants of oxidative stress related to gender: relevance of age and smoking habit*. *Clinical Chemistry*. **2011**. doi:10.1515/CCLM.2011.662.
- Vassalle C, Sciarrino R, Bianchi S, Battaglia D, Mercuri A, Maffei S. *Sex-related differences in association of oxidative stress status with coronary artery disease*. *Fertil Steril*. **2012** feb;97(2):414-9
- Veglia F, Cighetti G, De Franceschi M, Zingaro L, Boccotti L, Tremoli E, Cavalca V. *Age- and gender-related oxidative status determined in healthy subjects by means of OXY-SCORE, a potential new comprehensive index*. *Biomarkers*. **2006**. 11 (6): 562–573.
- Ventura P, Bini A, Panini R, Marri L, Tomasi A, Salvioli G. *Red wine consumption prevents vascular oxidative stress induced by a high-fat meal in healthy volunteers*. *Int J Vitam Nutr Res*. **2004**. 74 (2): 137–143.
- Verde V, Fogliano V, Ritieni A, Maiani G, Morisco F, Caporaso N. *Use of N,N-dimethyl-p-phenylenediamine to evaluate the oxidative status of human plasma*. *Free Radic Res*. **2002**. 36 (8): 869–873.
- Verde V, Morisco F, Tuccillo T, Ritieni A, Fogliano V, Caporaso N. *Oxidative Status in chronic hepatitis C during Interferon and ribavirin combined therapy*. Proceedings 1th International Meeting of the HNE-Club. 4-hydroxynonenal and other lipid peroxidation products. July 13–15, 2002. Salzburg. Austria. **2002**. P. 59.

Verduri A, Del Donno M, Chetta A, Olivieri D. *Free radical of oxygen measurement on capillary blood in healthy smokers, COPD patients and control subjects* [original title "Misurazione dei radicali liberi dell'ossigeno su sangue capillare in fumatori sani, pazienti BPCO e soggetti di controllo"]. Proceedings Congress "Capitolo Italiano Chest". June 20-22, 2002. Naples, Italy. **2002**.

Venera C, Novembrino C, Bamonti catena F, Fracchiolla N.S, Gianellice U, Savice F, Radaelli F, Fermo E, Cortellezzi A, Lonati S, menegatti M. *Oxidative stress is increase in primary and post-polycythemia vera myelofibrosis*. **2010**. Nov. 38(11): 1058-65.

Virgolici B, Mohora M, Stoian I, Lixandru D, Gaman L, Paveliu F. *A comparative oxidative stress study- obesity with and without diabetes mellitus*. Rom J Intern Med. **2005**. 43 (3-4): 261-268.

Visconti A, Cotichini R, Cannoni S, Bocca B, Forte G, Ghazaryan A, Santucci S, D'ippolito C, Stazi MA, Salvetti M, Alimonti A, Ristori G. *Concentration of elements in serum of patients affected by multiple sclerosis with first demyelinating episode: a six-month longitudinal follow-up study*. Ann Ist Super Sanità. **2005**. 41 (2): 217-222.

Vitaglione P, Fogliano V, Stingo S, Scalfi L, Caporaso N, Morisco F. *Development of a tomato-based food for special medical purposes as therapy adjuvant for patients with HCV infection*. European Journal of Clinical Nutrition. **2007**. 61: 906-915.

Vitola NM, Paraggio C, De Luna A, Nigro C. *Dosing of serum free radicals as possibile marker of alcohol abuse* [original title "Il dosaggio dei radicali liberi serici quale possibile marker di abuso alcolico"]. Report of the Laboratory of Radioimmunology. Hospital of Battipaglia, Salerno, Italy. **1999**. CLINICAL REPORT.

Vondrakova K, Schwendenwein I, van den Hoven, R, Hirt RA. *Evaluation of the automated d-ROMs test for detection of hydroperoxides in exhaled breath condensate of healthy cats*. Journal of Veterinary Internal Medicine. **2004**. 18(3): 439.

Vuotto ML, De Seta C, Liotti F, Spatuzzi D, Pezone L, Musto D, Nappo C, Riardo Esposito C, Borrelli I, Sannolo N. *Biomarkers of oxidative damage in workers at risk for professional COPD: preliminary observations* [original title "Biomarcatori di danno ossidativo in lavoratori a rischio di broncopneumopatie croniche ostruttive: osservazioni preliminari"]. **2001**. G Ital Med Lav Erg. 23 (3): 388.

Wollanke - Wollanke

Wollanke B. *Evaluierung von Stressparametern beim Pferd im Zusammenhang mit dem Klinikau-*

fenthalt. Inaugural-Dissertation zur Erlangung der tiermedizinischen Doktorwürde der Tierärztlichen Fakultät der Ludwig-Maximilians-Universität München. **2007**.

Yamakage– Yoshikawa

Yamakage M, Satoh T, Satoh JI, Namiki A. Anesthesiology, Sapporo Medical Univ. Sch. of Med., Sapporo, Hokkaido, Japan. *Effects of Aging and Gender on the Preoperative Oxidative Stress*. Anesthesiology. **2007**. 107: A1836.

Yamami N, Nakayama H, Kongoji J, Togawa S, Nozawa T, Yagishita K, Shibayama M, Nakayama T, Suzuki N, Yamamoto K, Kawashima M, Mano Y. *Free radicals and antioxidant potential in scuba divers*. Proceedings Undersea and Hyperbaric Medical Society. Scientific Meeting & Associates/BNA. Annual Scientific Meeting. 22-24 June 2006. Orlando, Florida (USA). **2006**. P 98-99.

Yamami N, Yagishita K, Togawa S, Kongoji J, Nakayama H, Shibayama M, Suzuki N, Yamamoto K, Nozawa T, Kawashima M, Mano Y. *Changes of serum free radicals and antioxidant potential in rebreather divers*. Proceedings Undersea and Hyperbaric Medical Society. Annual Scientific Meeting. 14-16 June 2007. Ritz-Carlton Kapalua, Maui, Hawaii (USA). **2007**. P 137.

Yamamoto T, Kinoshita M, Shinomiya N, Hiroi S, Sugawara H, Matsushita Y, Majima T, Saitoh D, Seki S. *Pretreatment with ascorbic acid prevents lethal gastrointestinal syndrome in mice receiving a massive amount of radiation*. J Radiat Res. **2009**. IN PRESS.

Yamamoto T, Tomofuji T, Tamaki N, Ekuni D, Azuma T, Sanbe T. *Effect of topical application of lipopolysaccharide on hepatic injury induced by high-cholesterol diet in rats*. Journal of periodontal research. **2009**. doi:10.1111/j.1600-0765.2009.01212.x.

Yamanaka G, Ishii C, Kawashima H, Oana S, Miyama T, Hoshika A. *Cerebrospinal fluid Diacron-reactive oxygen metabolite levels in pediatric patients with central nervous system diseases*. Pediatr Neurol. **2008**. 39: 80-84.

Yamanaka G, Kawashima H, Suganami Y, Watanabe C, Watanabe Y, Miyajima T, Takekuma K, Oguchi S, Hoshika A. *Diagnostic and predictive value of CSF d-ROM level in influenza virus-associated encephalopathy*. J Neurol Sci. **2006**.

Yamaoka-Tojo M, Tojo T, Kosugi R, Hatakeyama Y, Yoshida Y, Machida Y, Aoyama N, Masuda T, Izumi T. *Effects of ezetimibe add-on therapy for high-risk*

patients with dyslipidemia. *Lipids in Health and Disease* **2009**. 8: 41. doi:10.1186/1476-511X-8-41.

Yao D, Vlessidis AG, Evmiridis NP. *Monitoring reactive oxygen species in vivo using microdialysis sampling and chemiluminescence detection as an alternative global method for determination of total antioxidant capacity*. *Analytica Chimica Acta*. **2002**. 467: 133–144.

Yöntem M, Serdar E, Yerlikaya A, Mehmetoğlu I, Gökçe R, Kaleli S. *Effects of highly consumed dietary oils on several hepatic transaminases and lipid oxidation in chick*. *Ecology of Food and Nutrition*. **2005**. 44 (4): 295-305(11).

Yoshikawa T, Miyazaki A, Fujimoto S. *Decrease in serum levels of advanced glycation end-products by short-term lifestyle modification in non-diabetic middle-aged females*. *Med Sci Monit*. **2009**. 15(6): PH65–PH73.

Zenobi – Ziakka

Zenobi R, Verna R, Giganti MG. *IL-6, TNF- α and reactive oxygen metabolites in amateur athletes*. *Journal of Molecular and Clinical Pathology*. **2007**. 3: 103.

Zenobi R, Verna R, Giganti MG. *Inflammatory cytokines and oxidative stress: parameters to evaluate the physical status during sport activity*. *Biochimica Clinica*. **2007**. 31 (5): 484.

Ziakka S, Ursu M, Poulidakos D, Papadopoulos C, Karakasis F, Kaperonis N, Papagalanis N. *Predictive factors and therapeutic approach of renovascular disease: four years' follow-up*. *Renal Failure*. **2008**. 30(10): 965–970.

Anonimous

Anonimous. On the trace of free radicals in a easy and reliable mode [original title "Sulle tracce dei radicali liberi in modo rapido e affidabile"]. *Ce-nèsthesis*. **2005**. 14–15. *POPULAR ARTICLE*.

Section 2. Selection of References by the Prevalent Item

Alternative and Complementary Medicine

Carratelli M, Spagnoli U, De Toma G, Guerreschi F, D'Ascenzio G. *Application of a new method to evaluate oxidative damage in patients treated with ozone-therapy* [original title "Applicazione di un nuovo metodo per la valutazione del danno ossidativo in pazienti trattati con ozonoterapia"]. **1999**. CLINICAL REPORT.

Marzatico F. *On the use of d-ROMs test in a pilot study on the effects of a acute and chronic transcutaneous administration of ginkgo biloba* [original title "Utilizzo del d-ROMs test in uno studio pilota sugli effetti di una somministrazione transdermica acuta e cronica di ginkgo biloba"]. **1999**. CLINICAL REPORT.

Allegra C, Bartolo M jr, Sarcinella R. *Evaluation of pharmacological effects of a homeopathic medication in primary tardive lymphoedema of lower extremities by means of microlymphography and free radicals detection* [original title "Valutazione degli effetti farmacologici di un medicamento omeoterapico nei linfedemi primari tardivi degli arti inferiori mediante linfografia e rilevazione dei radicali liberi"]. S. Giovanni Hospital's Clinical Report. Rome, Italy. **2000**. Pp. 1-4 (Named srl Editor, Milan, Italy).

Marshall-Manifold T. *Ozone as an oxidant and its influence on free radical activity and antioxidant levels in the human environment in disease and health*. International Ozone Association Medical Conference. 14th-15th September, 2001. **2001**.

Mariani MM. *The assessment of oxidative stress before, during and after EDTA chelation therapy by means of the d-ROMs test* [original title "Studio dello stress ossidativo tramite d-ROMs test prima durante e dopo terapia chelante con EDTA"]. *Minerva Cardioangiologica*. **2002**. 50 (6, suppl. 1): 138-139.

Benedetti S, Lamorgese A, Piersantelli M, Pagliarani S, Benvenuti F, Canestrai F. *Oxidative stress and antioxidant status in patients undergoing prolonged exposure to hyperbaric oxygen*. *Clinical Biochemistry*. **2004**. 37: 312-317.

Kongoji J, Yamami N, Togawa S, Suzuki N, Yamamoto K, Mano Y. *Indexes of oxidative stress during HBO treatment*. **2006**. Proceedings Undersea and Hyperbaric Medical Society. Scientific Meeting & As-

sociates/BNA. Annual Scientific Meeting. 22-24 June 2006. Orlando, Florida (USA). **2006**. P 112.

Kongoji J, Yamami N, Togawa S, Yagishita K, Mano Y. *The evaluation of oxidative stress and antioxidant status following repeated hyperbaric oxygen in patients with decompression illness*. Proceedings Undersea and Hyperbaric Medical Society. Annual Scientific Meeting. 14-16 June 2007. Ritz-Carlton Kapalua, Maui, Hawaii (USA). **2007**. P 129.

du Plessis LH, van der Westhuizen FH, Kotzé HF. *The protective effect of plasma antioxidants during ozone autohemotherapy*. *African Journal of Biotechnology*. **2008**. 7(14): 2472-2477.

Saito K, Nagashima M. *Changes in reactive oxygen metabolites (ROM), biological antioxidant potential (BAP) and blood filtration time (BFT) after a single exposure to hyperbaric air chamber*. Proceedings Congress of Kyushu Society for Hyperbaric Medicine (KSHM). **2008**. 1-7.

Bin-Jaliah I, Dallak M, Haffor A. *Effect of hyperoxia on the ultrastructural pathology of alveolar epithelium in relation to glutathione peroxidase, lactate dehydrogenase activitiel, and free radical production in rats, rattus norvigicus*. *Ultrastructural Pathology*. **2009**. Vol.33 (3): 112-122.

Haffor A-S, Omar S-A. *Effect of exposure of rats to periodic versus continuous hyoeroxia on antioxidant potentials and free radical production in relation to ultrastructural changes in myocardial cells*. **2010**. *Inalation Toxicology*. Vol. 22 (10): 797-804. DOI: 10.3109/08958370903456629.

Nagamoto F, Fujino H, Takeda I, Ishihara A. *Effects of hyperbaric oxygenation on blood pressure levels of spontaneously hypertensive rats*. *Clinical and experimental hypertension*. **2010**. 32 (3): 193-197. DOI: doi:10.3109/10641960903254521.

Kim S, Yukishita T, Lee K, Yokota S, Nakata K, Suzuki D, Kobayashi H. *The effect of mild-pressure hyperbaric therapy (oasisi O2) on fatigue and oxidative stress*. *Health*. **2011**. Vol.3(7):432-436(2011). doi:10.4236/health.2011.37071.

Nakayama N, Yamaura K, Shimada M, Ueno K. *Extract from peel of Citrus natsudaidai alleviates experimental chronic allergic dermatitis in mice*. *Pharmacognosy Res*. **2011**. jul-Sep; 3(3):155-159. doi:10.4103/0974-8490.84999.

Tsumaki M, Saita Yoshimoto S, Ikeda H, Kaneko K, Yukishita T, Lee K, Kim S, Yokota S, Suetake N, Kobayashi H. *Effect of enpishin (press tack acupuncture needles) on automatic function, WBC count and oxidative stress*. *Medicine & Healthcare* **2011** Vol.3 N°7, 437-443 doi: 4236/health.2011.37072.

Anti-aging Medicine

Iorio EL. *Ageing and oxidative stress* [original title "Invecchiamento e stress ossidativo. Stop agli insulti del tempo"]. *Natura e Benessere*. **2002**. 6: 166-170. *POPULAR ARTICLE*.

Morganti P, Bruno C, Guarneri F, Cardillo A, Del Ciotto P, Valenzano F. *Role of topical and nutritional supplement to modify the oxidative stress*. *International Journal of Cosmetic Science*. **2002**. 24: 331-339.

Bacci PA. *Controlled clinical evaluation of oxidative stress changes with nutritional alkalinising supplementation* [original title "Valutazione clinica controllata delle variazioni dello stress ossidativo con integrazione alimentare alcalinizzante"]. *Medicina Funzionale*. **2003**. 3: 28-33.

Bacci PA, Allegra C, Albergati F, Brambilla E, Botta G, Mancini S. *Randomized, placebo-controlled double-blind clinical study of the efficacy of a multifunctional plant complex in the treatment of so-called "cellulite"*. *International Journal of Cosmetic Surgery and Aesthetic Dermatology*. **2003**. 5 (1): 53-68.

Morganti P, Fabrizi G, Bruno C. *Protective effects of oral antioxidants on skin and eye function*. *SKINmed*. **2004**. 3 (6): 310-316.

Canziani W. *Free radicals, as a killer of youth and health* [original title "Radicali liberi. Killer di giovinezza e salute"]. *Antiaging*. **2005**. 3: 43-45. *POPULAR ARTICLE*.

Galimberti D. *The anti-ageing check-up. The age? A relative concept* [original title "Il check-up anti-aging. L'età? Un concetto relativo"]. *Antiaging*. **2005**. 1: 18-29. *POPULAR ARTICLE*.

Hirokado Y, Nagata K, Aoyama Y, Kiyama K, Okano K, Hasegawa. *Prohomeostatic effects of acupuncture*. *2006. International Congress Series*. **2006**. 1287: 107-110. 11.

Iorio EL. *Oxidative stress and ageing: diagnosis, causes, effects, and treatments* [original title "Stress ossidativo e invecchiamento: diagnosi, cause, effetti, terapie"]. *Proceedings "Giornate Siciliane di Medicina Estetica"*. Palermo (Italy). **2006**, March 17th-19th. Pp. 10-11.

Mochizuki T, Amenomori Y, Miyazaki R, Hasegawa T, Watanabe M, Fukuike K, Yonei Y. *Evaluation of exercise programs at a fitness club in female exercise beginners using anti-aging medical indicators*. *Anti-Aging Medicine*. **2009**. 6(8): 66-78.

Gramiccioni C, Carpagnano G.E, Spavanello A, Turchiarelli V, Cagnazzo M.G, Foschino Barbaro M.P. *Airways oxidative stress, lung function and cognitive impairment in aging*. *Monaldi Arch. Chest. Dis*. **2010**. Mar;73(1):5-11.

Bone marrow and blood diseases

Bamonti F, Novembrino C, Cighetti G, Annaloro C, Luchesini C, De Franceschi M, Bortone L, Della Volpe A, Ippolito S, Lambertenghi Delilieri G. *Assessment of oxidative stress in hemopoietic stem cell transplantation (HSCT)*. *Biochimica Clinica*. **2001**. 25: 60.

Fracchiolla NS, Bamonti-Catena F, Guggiari E, Novembrino C, Maiolo AT, Lambertenghi-Delilieri G, Cortellezzi A. *Reactive oxygen species (ROMs) are increased in myelodysplastic syndromes*. *Leukemia Research*. **2001**. 25 (Suppl 1): S57-S58.

Fracchiolla NS, Guggiari E, Maissonneuve P, Bamonti-Catena F, Ippolito S, Novembrino C, Lucherini C, Lambertenghi-Delilieri G, Maiolo AT, Cortellezzi A. *Oxidative stress in myelodysplastic syndromes: increased levels of reactive oxygen metabolites and homocysteine*. *Blood*. **2001**. 98 (11): 271b.

Ippolito S, Bamonti F, Novembrino C, De Franceschi M, Massaro P, Cortellezzi A, Fracchiolla NS, Ciani A, Maiolo AT. *Homocysteine levels and oxidative stress in myeloproliferative and myelodysplastic syndromes*. *Clin Chem Lab Med*. **2001**. 39 (Special Supplement): S269.

Ippolito S, Bamonti-Catena F, Novembrino C, Cortellezzi A, Fracchiolla NS, Di Cataldo D, Guggiari E, Ciani A, Maiolo AT. *Oxidative stress in myelodysplastic syndromes*. *Biochimica Clinica*. **2001**. 25: 61.

Trotti R, Carratelli M, Barbieri M, Micieli G, Bosone D, Rondanelli P, Bo P. *Oxidative stress and thrombophilic condition in alcoholics without severe liver disease*. *Haematologica*. **2001**. 86: 85-91.

Fracchiolla NS, Bamonti Catena F, Novembrino C, Ippolito S, Maissonneuve P, Cortellezzi A. *Possible association between reactive oxygen metabolites and karyotypic abnormalities in myelodysplastic syndromes*. *Haematologica*. **2003**. 88: 594-597.

Pugliano M, Biondi ML, Vanelli C, Gardellini A, Battaglioli L, Erario M, La Torre A, Turri O, Maioli C,

Gerli GC. *Plasma homocysteine and oxydative stress in polycythemia vera and essential thrombocythemia. Effect of folic acid supplementation.* Haematologica. **2005**. 90 (S3): 67.

Bamonti-Catena F, Fracchiolla N, Turrini M, Novembrino C, Lonati S, Lambertenghi Delilieri G. *Oxidative status parameters can help predict severity of infectious complications in hematologic patients.* Clin Chem Lab Med. **2006**. 44 (8): A36.

Cella G, Marchetti M, Vignoli A, Randi ML, Saggiolato G, Pasetto L, Pagnan A, Barbui T, Falanga A. *Blood oxidative status and selectins plasma levels in healthy donors receiving granulocyte-colony stimulating factor.* Leukemia. **2006**. 20 (8): 1430–1434.

Reid M, Badaloo A, Forrester T, Jahoor F. *In vivo rates of erythrocyte glutathione synthesis in adults with sickle cell disease.* Am J Physiol Endocrinol Metab. **2006**. 291: E73-E79.

Sukkar SG, Rossi E, Ragni G, Ferrari C, Abate F. *The antioxidants in onco-hematology [original title "Antiossidanti in oncoematologia"].* ADI Magazine. **2006**. 4 (10): 415 – 418.

Takouli L, Hadjiyannakos D, Metaxaki P, Sideris V, Filiopoulos A, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long-term effect on inflammation and oxidative stress.* Renal Failure. **2010**. Vol.32 (3): 287-293.

Cardiovascular diseases

Digiesi V, Oliviero C, Gianni V, Rossetti M, Fiorillo C, Oradei A, Lenuzza M, Nassi P. *Reactive metabolites of oxygen, lipid peroxidation, total antioxidant capacity and vitamin E in essential arterial hypertension.* Clin Ter. **1997**. 148 (11): 515–519.

Cesarone MR, Belcaro G, Carratelli M, Cornelli U, De Sanctis MT, Incandela I, Barsotti A, Terranova R, Nicolaidis A. *A simple test to monitor oxidative stress.* International Angiology. **1999**. 18 (2): 127–130.

Cornelli U, Cornelli M, Terranova R. *Free-radical and vascular diseases.* The International Union of Angiology's Bulletin. **1999**. 15: 7–10.

Digiesi V, Fiorillo C, Cosmi L, Rossetti M, Lenuzza M, Guidi D, Pace S, Rizzuti G, Nassi P. *Reactive oxygen species and antioxidant status in essential arterial hypertension during therapy with dihydropyridine calcium channel antagonists.* Clin Ter **2000**. 151 (1): 15–18.

Kusmic C, Petersen C, Picano E, Busceti C, Parenti G, Laghi Pasini F, Barsacchi R. *Antioxidant effect of oral dipyramidole during cerebral hypoperfusion*

with human carotid endarterectomy. Journal of Cardiovascular Pharmacology. **2000**. 36 (2): 141–145.

Incandela L, Belcaro G, Cesarone MR, De Sanctis MT, Griffin M, Cacchio M, Nicolaidis AN, Bucci M, Barsotti A, Martines G, Cornelli U, Di Renzo A. *Oxygen-free radical decrease in hypertensive patients treated with lercanidipine* Int Angiol. **2001**. 20 (2): 136–140.

Carlucci F, Tabucchi A, Biagioli B, Simeone F, Scolletta S, Rosi F, Marinello E. *Cardiac surgery: myocardial energy balance, antioxidant status and endothelial function after ischemia-reperfusion.* Biomed Pharmacother. **2002**. 56: 483–491.

Cesarone MR, Incandela L, De Sanctis MT, Belcaro G, Dugall M, Acerbi G. *Variations in plasma free radicals in patients with venous hypertension with HR (Paroven, Venoruton; 0-(beta-hydroxyethyl)-rutosides): a clinical, prospective, placebo-controlled, randomized trial.* J Cardiovasc Pharmacol Ther. **2002**. 7 (Suppl 1): S25–S28.

De Franceschi M, Cavalca V, Sisillo E, Cighetti G, Salvi L, Alamanni F, Tremoli E. *Oxidative stress in coronary surgery.* Proceedings 6th International symposium on global risk of coronary heart disease and stroke: assessment, prevention, and treatment. June 12–15, 2002. Florence, Italy. **2002**.

De Franceschi M, Cighetti G, Alimento M, Boccotti L, Gregu S, Cavalca V. *Antioxidant capacity in coronary artery disease.* Proceedings 6th International symposium on global risk of coronary heart disease and stroke: assessment, prevention, and treatment. June 12–15, 2002. Florence, Italy. **2002**.

De Franceschi M, Veglia F, Boccotti L, Caiani A, Sisillo E, Salvi L, Ravagnani P, Campodonico J, Tremoli E, Cavalca V. *Glutathione and coronay disease [original title "Glutathione e malattia coronarica"].* Ital Heart J. **2002**. 3 (Suppl. 7): C543.

Iorio EL, Quagliuolo L, Carratelli M. *The d-ROMs test: a method to monitor oxidative stress in vascular diseases [original title "d-ROMs test: metodo di monitoraggio dello stress ossidativo nelle patologie vascolari"].* Minerva Cardioangiologica. **2002**. 50 (6, Suppl. 1): 143–144.

Novembrino C, Bamonti F, Ippolito S, Lorenzano F, Lonati S, Della Noce C, Tonini A, Accinni R. *A new approach to the risk for cardiovascular diseases [original title "Nuovo approccio al rischio di patologia cardiovascolare"].* Biochimica Clinica. **2002**. 26 (3): 267.

- Belcaro G, Cesarone MR, Nicolaidis AN, Geroulakos G, Di Renzo A, Milani M, Ricci A, Brandolini R, Dugall M, Ruffini I, Cornelli U, Griffin M. *Improvement of microcirculation and healing of venous hypertension and ulcers with Crystacide. Evaluation of free radicals, laser Doppler flux and pO₂. A prospective-randomized-controlled study.* Angiology. **2003**. 54 (3): 325–330.
- Bertuglia S, Giusti A, Del Soldato P. *Antioxidant activity of a nitro derivative of aspirin against ischemia reperfusion in hamster cheek pouch microcirculation.* Am J Physiol Gastrointest Liver Physiol. **2003**.
- Bertuglia S, Giusti A. *Microvascular oxygenation, oxidative stress, NO suppression and superoxide dismutase during postischemic reperfusion.* Am J Physiol Heart Circ Physiol. **2003**. 285 (3): H1064–H1071.
- Flore R, Santoliquido A, Dal Lago A, Pola E, Flex A, Pola R, Gallinella Muzi M, Farinon A, Rulli F, Gaetani E, Tondi P, Gerardino L, Gasbarrini A. *Long saphenous vein stripping reduces local level of reactive oxygen metabolites in patients with varicose disease of the lower limbs.* World Journal of Surgery. **2003**. 27 (4): 473–475.
- Gritti D, Gasparetto C, Malinverno A, Ricevuti G. *Antioxidant vitamins reduce oxidative stress and ventricular remodeling in patients with acute myocardial infarction [original title "Le vitamine antiossidanti riducono lo stress ossidativo e il rimodellamento ventricolare nei pazienti con infarto miocardico acuto"]*. Proceedings Symposium Il rischio cardiovascolare globale: ruolo della sindrome metabolica. October 4, 2003. Società Italiana per lo Studio dell'Aterosclerosi (SISA). **2003**. Pp. 20.
- Ruffini I, Belcaro G, Cesarone MR, Geroulakos G, Di Renzo A, Milani M, Coen L, Ricci A, Brandolini R, Dugall M, Pomante P, Cornelli U, Acerbi G, Corsi M, Griffin M, Ippolito E, Bavera P. *Evaluation of the local effects of vitamin E (E-Mousse) on free radicals in diabetic microangiopathy: a randomized, controlled trial.* Angiology. **2003**. 54(4): 415–421.
- Tremoli E, Cavalca V, Veglia F, De Franceschi M, sisillo E, Salvi L, Alimento M, Boccotti L, Folco G, Sala A. *Antioxidant capacity in coronary diseases.* Clin Chem Lab Med. **2003**. 41 (Special Supplement): S450.
- Bertuglia S, Giusti A, Picano E. *Effects of diagnostic cardiac ultrasound on oxygen free radical production and microvascular perfusion during ischemia reperfusion.* Ultrasound in Med & Biol. **2004**. 30 (4): 549–557.
- Bertuglia S, Giusti A. *Influence of ACTH-(1-24) and plasma hyperviscosity on free radical production and capillary perfusion after hemorrhagic shock.* Microcirculation. **2004**. 11 (3): 227–238.
- Bertuglia S, Giusti A. *Microvascular oxygenation and oxidative stress during postischemic reperfusion.* Section 3 Physiology -1. S3-3, ISOTT, New York, August 16-21, 2003. **2004**. IN PRESS.
- Haffor A-S. *Effects of O₂ breathing on cardiac mitochondrial, GOT and free radical production.* J Med Sci. **2004**. 4 (2): 164–169.
- Ricci A, Ruffini I, Cesarone MR, Cornelli U, Corsi M, Belcaro G, Ippolito E, Dugall M. *Variations in plasma free radicals with topical aescin + essential phospholipids gel in venous hypertension: new clinical data.* Angiology. **2004**. 55 (Suppl 1): S11–S14.
- Ridker PM, Brown NJ, Vaughan DE, Harrison DG, Mehta JL. *Established and emerging plasma biomarkers in the prediction of first atherothrombotic events.* Circulation. **2004**. 109 (Suppl. IV): IV-6 – IV-19.
- Bertuglia S, Giusti A. *Role of nitric oxide in capillary perfusion and oxygen delivery regulation during systemic hypoxia.* Am J Physiol Heart Circ Physiol. **2005**. 288 (2): H525–H531.
- Gasparetto G, Malinverno A, Culacciati D, Gritti D, Prosperino PG, Specchia G, Ricevuti G. *Antioxidant vitamins reduce oxidative stress and ventricular remodeling in patients with acute myocardial infarction.* Int J Immunopathol Pharmacol. **2005**. 18 (3): 487 – 496.
- Ippolito S, Cornelli U, Novembrino C, Lonati S, Belletti S, Ciani A, Bamonti F. *Effects of an antioxidant supplementation on patients affected by peripheral arterial occlusive disease: a pilot study.* Clin Chem Lab Med. **2005**. 43(3): A15.
- Schimke I, Müller J, Dandel M, Gremmels HD, Bayer W, Wallukat B, Wallukat G, Hetzer R. *Reduced oxidative stress in parallel to improved cardiac performance one year after selective removal of anti-beta 1-adrenoreceptor autoantibodies in patients with idiopathic dilated cardiomyopathy: data of a preliminary study.* J. Clin. Apheresis. **2005**. 20 (3): 137 – 142
- Vassalle C, Boni C, Di Cecco P, Zucchelli GC. *Type 2 diabetes and elevated serum hydroperoxide levels in patients with coronary artery disease.* Biochimica Clinica. **2005**. 29 (2): 164.
- Vassalle C, Landi P, Boni C, Zucchelli GC. *Hydroperoxide levels, as index of oxidative stress, in patients*

with coronary artery disease. *Clinica Chimica Acta*. **2005**. 355: S103.

Bertuglia S, Veronese FM, Pasut G. *Polyethylene glycol and a novel developed polyethylene glycol-nitric oxide normalize arteriolar response and oxidative stress in ischemia-reperfusion*. *Am J Physiol Heart Circ Physiol*. **2006**. 291: H1536-H1544.

Cavalca V, Sigillo E, Veglia F, Tremoli E, Cighetti G, Salvi L, Sola A, Mussoni L, Biglioli P, Folco G, Sala A, Parolari A. *Isoprostanes and oxidative stress in off-pump and on-pump coronary bypass surgery*. *Ann Thorac Surg*. **2006**. 81 (2): 562 – 567.

Endo S, Mori T, Yoneki Y, Tokudome G, Hosoya T, Ito S. *High salt intake attenuates antihypertensive action of angiotensin II receptor blockade with induction of renal oxidative stress*. *The Journal of the Federation of American Societies for Experimental Biology (FASEB)*. **2006**. 20: A755.

Rossi GP, Maiolino G, Zanchetta M, Sticchi D, Pedon L, Cesari M, Montemurro D, De Toni R, Zavattiero S, Pessina AC. *The T-786C endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients*. *J Am Coll Cardiol*. **2006**. 48 (6): 1166–1174.

Tavridou A, Efthimiadis A, Efthimiadis I, Paschalidou H. *Antioxidant effects of simvastatin in primary and secondary prevention of coronary heart disease*. *Eur J Clin Pharmacol*. **2006**. 62 (6): 485–489.

Vassalle C, Boni C, Di Cecco P, Landi P. *Elevated hydroperoxide levels as a prognostic predictor of mortality in a cohort of patients with cardiovascular disease*. *Int J Cardiol*. **2006**. 110(3): 415–416.

Belcaro G, Cesarone MR, Errichi BM, Di Renzo A, Errichi S, Ricci A, Gizzi G, Dugall M, Cacchio M, Ruffini I, Fano F, Vinciguerra G, Grossi MG. *Improvement of microcirculation and healing of venous hypertension and ulcers with Crystacide: evaluation with a microcirculatory model, including free radicals, laser doppler flux, and PO₂/PCO₂ measurements*. *Angiology*. **2007**. 58(3): 323–328.

Hasegawa T. *Oxidative stress and antioxidant potential in Japanese females with hypotension*. *Proceedings 19th World Congress of Psychosomatic Medicine*. Québec City (Québec) Canada. 2007. August 26–31. **2007**. P 30.

Neuman RB, Bloom HL, Shukrullah I, Darrow LA, Kleinbaum D, Jones DP, Dudley SC Jr. *Oxidative stress markers are associated with persistent atrial fibrillation*. *Clinical Chemistry*. **2007**. 53 (9): 1652–1657.

Vassalle C, Landi P, Boni C, Zucchelli G. *Oxidative stress evaluated using an automated method for hydroperoxide estimation in patients with coronary artery disease*. *Clin Chem Lab Med*. **2007**. 45 (3): 367– 371.

Cesarone MR, Di Renzo A, Erpichi S, Schönlauf F, Wilmer JL, Blumenfeld J. *Improvement in circulation and in cardiovascular risk factors with a proprietary isotonic bioflavonoid formula OPC-3TM*. *Angiology*. **2008**. 59(4): 408–414.

Kamezaki F, Yamashita K, Kubara T, Suzuki Y, Tanaka S, Kouzuma R, Okazaki M, Tasaki O, Otuji Y. *Derivatives of reactive oxygen metabolites correlates with high-sensitivity C-Reactive Protein*. *J Atheroscl Thromb*. **2008** 15(4): 206–212.

Lubrano V, Ballardini M, Di Cecco P, Longo V, Paolini M, Scarpato R. *Evaluation of coronary artery disease predisposition in cigarette smokers*. *Ligand Assay*. **2008**. 13(2): 146.

Melzi d'Eril GV, Barassi A, Colpi GM, Piediferro G, Dogliotti G, Corsi MM. *Oxidative stress and antioxidant status in patients with erectile dysfunction*. *RIMeL/IJLaM*. **2008**. 4 (Suppl). 170.

Vassalle C. *An easy and reliable automated method to estimate oxidative stress in the clinical setting*. *Methods Mol Biol*. **2008**. 477: 31–39.

Vassalle C, Pratali L, Boni C, Mercuri A, Ndreu R. *An oxidative stress score as a combined measure of the pro-oxidant and anti-oxidant counterparts in patients with coronary artery disease*. *Clin Biochem*. **2008**. 1162–1167.

Altamura C, Squitti R, Pasqualetti P, Gaudino C, Palazzo P, Tibuzzi F, Lupoi D, Cortesi M, Rossini PM, Vernieri F. *Ceruloplasmin/Transferrin system is related to clinical status in acute stroke*. *Stroke*. **2009**. 40(4): 1282–1288.

Barassi A, Colpi GM, Piediferro G, Dogliotti G, Melzi D'Eril GV, Corsi MM. *Oxidative stress and antioxidant status in patients with erectile dysfunction*. *J Sex Med*. **2009**. DOI: 10.1111/j.1743-6109.2009.01279.x

Shimano M, Shibata R, Inden Y, Yoshida N, Uchikawa T, Tsuji Y, Murohara T. *Reactive oxidative metabolites are associated with atrial conduction disturbance in patients with atrial fibrillation*. *Heart Rhythm*. **2009**. 6(7): 935–940.

Bloom H.L, Shukrullah I, Veledar E, Gutmann R, London B, Dudley S.C. jr. *Statin decrease oxidative*

stress and ICD therapies. Cardiology research and Practice. **2010** ID 253803, 7. doi: 10.4061/253803.

Kanaoka Y, Inagaki E-I, Hamanaka S, Masaki, Tanemoto K. *Analysis of reactive oxygen metabolites (ROMs) after cardiovascular surgery as a marker of oxidative stress*. Acta Med. Okayama, **2010** Vol. 64 No. 5 pp. 323-330

Kondo K, Shibata R, Unno K, Shimano M. et al. *Impact of a single intracoronary administration of adipolectin on myocardial ischemia/reperfusion injury in a pig model*. Circ. Cardiovasc. Interv. **2010**. Apr;3(2):166-73.

Kotani K, koibuchi H, Miyamoto M, Yamada T, Taniguchi N. *Relationship between reactive oxygen metabolites and carotid intima-media thickness in subjects with hypercholesterolemia*. **2010**. Medical Principles and practice. Vol. 19: 496-498. DOI: 10.1159/000320312.

Patel R.S, Mheid I.A, Morris A.A., Ahmed Y, et al. *Oxidative stress in associated with impaired arterial elasticity*. Atherosclerosis. **2011**. Sep;218(1):90-5 Epub May6.

Sugiura T, Dohi Y, Takase H, Yamashita S, Tanaka S, Kimura G. *Increased reactive oxygen metabolites is associated with cardiovascular risk factors and vascular endothelial damage in middle-aged Japanese subjects*. Vasc health Risk Manag. **2001**; 7:475-482 doi:10.2147/VHRM.S23097.

Vassalle C, Cicinelli E, Lello S, Mercuri A, Battaglia D, Maffei S. *Effects of menopause and tibolone on different cardiovascular biomarkers in healthy women*. **2011** . Gynecological Endocrinology 2011 Mar; 27 (3): 163-9. DOI: 10.3109/09513590.2010.488770.

Vassalle C, Sciarrino R, Bianchi S, Battaglia D, Mercuri A, Maffei S. *Sex-related differences in association of oxidative stress status with coronary artery disease*. Fertil Steril. **2012** feb;97(2):414-9

Dentistry

Iorio EL, D'Amicantonio T. *The oxidative stress in Odontology. From the basic research to the clinical practice* [original title "Lo stress ossidativo in odontoiatria. Dalla ricerca di base alla pratica clinica"]. Proceedings III Congresso ANMCO. **2006**. Rome, October, 13.

D'Aiuto F, Nibali L, Parkar M, Suvan J, Iorio EL, Donos N. *Oxidative stress and severe periodontitis*. Proceedings of Pan European Federation of the International Association for Dental Research Congress. September 10-12, 2008. London, United Kingdom. **2008**. 0274.

Irie K, Tomofuji T, Tamaki N, Sanbe T, Ekuni D, Azuma T, Maruyama T, Yamamoto T. *Effects of ethanol consumption on periodontal inflammation in rats*. J Dent Res. **2008**. 87(5): 456-460.

Tamaki N, Tomofuji T, Maruyama T, Ekuni D, Yamanaka R, Takeuchi N, Yamamoto T. *Relationship between periodontal condition and plasma reactive oxygen metabolites in patients in the maintenance phase of periodontal treatment*. Journal of Periodontology. **2008**. DOI: 10.1902/jop.2008.080082.

D'Amicantonio T, Polizzi E, Iorio EL, Gherlone E. *Free radicals and antioxidants in the oral cavity* [original title "Radicali liberi e antiossidanti nel cavo orale. Un delicato equilibrio"]. Prevenzione odontostomatologica. **2009**. 1: 3-15.

Mazza C, De Chiara N. *Malattia parodontale, stress ossidativo e strategia alimentare antiossidante*. Prevenzione & Assistenza Dentale **2009** Vol.35 Issue 2 April 2009 pag.69-75.

Tamaki N, Tomofuji T, Ekuni D, Yamanaka R, Yamamoto T, Morita M. *Short-term effects of non surgical periodontal treatment on plasma level of reactive oxygen metabolites in chronic periodontitis patients*. Journal of Periodontology. **2009**. doi:10.1902/jop.2009.080640.

Tomofuji T, Ekuni D, Sanbe T, Irie K, Azuma T, Maruyama T, Tamaki N, Murakami J, Koeguchi S, Yamamoto T. *Effects of vitamin C intake on gingival oxidative stress in rat periodontitis*. Free Radic Biol Med. **2009**. 46(2): 163-168.

Tomofuji T, Irie K, Sanbe T, Azuma T, Ekuni D, Tamaki N, Yamamoto T, Morita M. *Periodontitis and increase in circulating oxidative stress*. Japanese Dental Science Review. **2009**. doi:10.1016/j.jdsr.2008.12.002.

Canestrari F, Benedetti S. *Validation of a patented method to determinate the antioxidant capacity of human saliva based on the reduction of iron*. Carlo Bo University of Urbino, Research project **2010**. Clinical Biochemistry Department.

Cornelli U, Belcaro G, Dugall M, Hosoi M, Grossi M.G, Ippolito E, Ledda A, Ruffini I. *Action of antioxidant complex on the antioxidant power of saliva*. Panminerva Medica. **2010**;52(Suppl.1 to n°2):1-5

D'Aiuto F, Nibali L, Parkar M, Patel K, Suvan J, Donos N. *Oxidative stress, sistemi inflammation, and severe periodontitis*. Journal of dental Research. **2010** Vol. 89 no. 111241-1246. doi: 1177/0022034510375830JDR.

Finco A, Nardi G.M. *Lo stress ossidativo e lo sbiancamento dentale*. *Cosmetic dentistry* 4_2010.

Masi S, Salpea K, Li K et al. *Oxidative stress, chronic inflammation and telomere length in patients with periodontitis*. *Free Radic Biol Med*. 2011 Mar 15;50(6):730-5.

Diabetology

Akkus I, Can UG, Caglayan O, Gurbilek M, Kalak S, Bor MA, Dikici I. *Lipid peroxidation and antioxidant status in serum, erythrocytes and leucocytes of children with insulin-dependent diabetes mellitus*. *Proceedings 16th International Congress of Clinical Chemistry*. 7–12 July, 1996. London, United Kingdom. 1996.

Tanganelli I, Ciccoli L, Tansi R, Borgogni P, Rossi V, Gistri M, Pettinari O, Signorini C, Marisi M. *Markers of oxidative stress in diabetic patients*. *Diabetes Research and Clinical Practice*. 2000. 50 (Suppl 1): S1.

Barletta A, D'Amico MV, Vincelli MR, Venditti D, Scutellà M, Palladino A, Sebastiano C, Vitale C, Puntillo A, Bucci M, Tagliaferri M. *Pre-and post-prandial oxidative stress changes in diabetic patients* [original title "*Variazione dello stress ossidativo pre- e post-prandiale in pazienti diabetici*"]. *Biochimica Clinica*. 2001. 25 (2): 140.

Bonina FP, Leotta C, Scalia G, Puglia C, Trombetta D, Trincali G, Roccazzello AM, Rapisarda P, Saija A. *Evaluation of oxidative stress in diabetic patients after supplementation with a standardised red orange complex*. *Diab Nutr Metab*. 2002.15: 14–19.

Razzano M, Massaroli C, Cazzaniga S, Cavanna F, Colombo F, Brambilla P. *Association between free radicals and microvascular complications in type 2 diabetes mellitus* [original title "*Associazione fra radicali liberi e complicanze microvascolari nel diabete mellito di tipo 2*"]. *Il Diabete*. 2002. 1 (Suppl 1): 49.

Salardi S, Zucchini S, Elleri D, Grossi G, Bargossi Am, Gualandi S, Santoni R, Cicognani A, Cacciari E. *High glucose levels induce an increase in membrane antioxidants, in terms of vitamin E and Coenzyme Q₁₀, in children and adolescents with type 1 diabetes*. *Diabetes Care*. 2004. 27 (2): 630–631.

Begona M, Van Campenhout A, Aerts P, Vertommem J, Abrams P, Van Gaal L, Van Gils C, De Leeuw I. *Time course of oxidative stress status in the postrandial and postabsorptive states in type 1 diabetes mellitus: relationship to glucose and lipid changes*. *Journal of the American college of nutrition*. 2005. Vol.24, n.6, 474-485.

Ciancaglini G, Golato M, Pupillo M, De Luca A, Di Sciascio C, Di Cintio L, Turchi C. *Gluco-metabolic balance and oxidative stress in patients with type-2 diabetes: a preliminary study* [original title "*Equilibrio glico-metabolico e stress ossidativo in pazienti con diabete tipo II: studio preliminare*"]. *Italian Journal of Laboratory Medicine*. 2005. 1 (3): 173.

Gianturco V, Bellomo A, D'Ottavio E, Formosa V, Iori A, Mancinella M, Troisi G, Marigliano V. *Impact of therapy with α -lipoic acid (ALA) on the oxidative stress in the controlled NIDDM: a possible preventive way against the organ dysfunction?* *Archives of Gerontology and Geriatrics*. 2009. 49: 129–133.

Yoshikawa T, Miyazaki A, Fujimoto S. *Decrease in serum levels of advanced glycation end-products by short-term lifestyle modification in non-diabetic middle-aged females*. *Med Sci Monit*. 2009. 15(6): PH65–PH73.

Chew P, Yuen D, Stefanovic N, Pete J, Coughlan M.T, Jandeleit-Dahm K.A, Thomas M.C, Rosenfeldt F, Cooper M.E, De Haan J.B. *Antiatherosclerotic and renoprotective effect of ebselen in the diabetic apolipoprotein E/GPx1-double knockout mouse*. *Diabetes Journals*. 2010 Vol.59 doi:10.2337/db10-0195.

Dominguez L, Galioto A, Pineo A, Ferlisi A, Ciaccio M, Putignano E, Belvedere M, Costanza G, Barbagallo M. *Age, homocysteine and oxidative stress: relation to hypertension and type 2 diabetes mellitus*. *Journal of the american college nutrition*. 2010. Vol. 29, n.1, pp 1-6.

Ikebuchi M, Nishio Y, Maegawa H, Kashiwagi A. *Effects of hyperglycemia on oxidative stress and anti-oxidant potential in patients with type 2 diabetes*. *Diabetology International* 2010. Vol.2(2) Dec.2010:72-77(6). Doi:10.1007/s13340-010-0008-5.

Pitocco D, Zaccardi F, Di Stasio E, Romitelli F, Santini S.A, Zuppi C, Ghirlanda G. *Oxidative stress, nitric oxide and diabetes*. *The Rev. of Diabetic Studies*. 2010 doi:10.1900/RDS.2010.7.15.

Geriatrics

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *Ageing and free radicals* [original title "*Invecchiamento e radicali liberi*"]. *Progress in Nutrition*. 2000. 3: 37–50.

Oskarbski GV. *Supplementation and possibile integration in cutaneous ageing* [original title "*Supplementazione e integrazione possibile nell'invecchiamento cutaneo*"]. *Proceedings IV International Congress of the Ageing Society*. 2002. 138.

Maugeri D, Santangelo A, Bonanno MR, Testai M, Abbate S, Lo Giudice F, Mamazza C, Puglisi N, Panebianco P. *Oxidative stress and aging: studies on an East-Sicilian, ultraoctagenarian population living in institutes or at home*. Arch Gerontol Geriatr Suppl. **2004**. 9: 271–277.

Cogo R, Pellegrino C, Ripoli RC, Fonte L, Schieppati S, Scivoletto G. *Free radical plasma levels in elderly: influencing factors* [original title "I livelli plasmatici dei radicali liberi nell'anziano: fattori di controllo"]. G Gerontol. **2005**. 53: 79–86.

Kotani K, Sakane N, Tsuzaki K, Matsuoka Y, Sano Y, Hamada T, Yamada K. *Lifestyles and oxidative stress in type 2 diabetic patients*. The Scandinavian Journal of Clinical & Laboratory Investigation. **2008**: iFirst Article: 1–3.

Mandas A, Congiu MG, Balestrieri C, Mereu A, Iorio EL. *Nutritional status and oxidative stress in an elderly Sardinian population*. Mediterr J Nutr Metab. **2008**. DOI 10.1007/s12349-008-0016-1.

Sakamoto R, Matsubayashi K, Kimura Y, Ishine M, Kosaka Y, Wada T, Wada C, Nakatsuka M, Ishimoto Y, Hirotsuki M, Kasahara Y, Konno A, Chen W, Fujisawa M, Otsuka K, Nakashima M, Wang H, Dai Q, Yang A, Qiao H, Gao J, Li Z, Zhang Y, Ge R-L, Okumiya K. *Comprehensive geriatric assessment of elderly highlanders in Qinghai, China, III: oxidative stress and aging in Tibetan and Han elderly highlanders*. Geriatr Gerontol Int. **2009**. doi: 10.1111/j.1447-0594.2009.00544.x

Infectious diseases

Pontiggia P, Silvotti MG, Martano F, Cuppone Curto F, Rotella GB, Sabato A. *The role of whole body hyperthermia in AIDS patients: effects on the free radicals level*. Med Biol Environm **1995**. 23 (2): 279–282.

Comi D, Baronzio GF, Vecchio G, Zimbelli A, Cargnel A, Ferrario R, Galante F, Barlocco A, Pravettoni G. *Oxygen radicals, antioxidant vitamins and minerals in AIDS cachexia*. Nutrition. **1997**. 13 (3): 272.

Comi D, Brugnani M, Baronzio GF, Zimbelli A Barlocco A, Pravettoni G, Toma G, Vecchio C. *Free radicals and oxidative status in cachectic patients with AIDS* [original title "Radicali liberi e stato ossidativo in pazienti con cachessia da AIDS"]. Proceedings Second International Conference on nutrition and HIV infection. April 23–25, 1997. Cannes, France. **1997**. P. 253.

Morisco F, Vitaglione P, Carbone A, Stingo S, Scarpati S, Ascione A, Marmo R, Fogliano V, Caporaso N. *Tomato functional foods as interferon adjuvant*

in HCV eradication therapy. Proceedings 2nd Probiotics and prebiotics new foods. September 7– 9, 2003. Università Urbaniana. Rome (Italy). **2003**. Pp. 102–108.

Berhe N, Halvorsen BI, Gundersen Te, Myrvang B, Gundersen Sg, Blomhoff R. *Reduced serum concentrations of retinol and α -tocopherol and high concentrations of hydroperoxides are associated with community levels of *S. mansoni* infection and schistosomal periportal fibrosis in Ethiopian school children*. Am J Trop Med Hyg. **2007**. 76 (5): 943–949.

Vassalle C, Maffei S, Boni C, Zucchelli GC. *Gender-related differences in oxidative stress levels among elderly patients with coronary artery disease*. Fertility and Sterility. **2007**. Doi: 10.1016/j.fertnstert.2007.03.052.

Vitaglione P, Fogliano V, Stingo S, Scalfi L, Caporaso N, Morisco F. *Development of a tomato-based food for special medical purposes as therapy adjuvant for patients with HCV infection*. European Journal of Clinical Nutrition. **2007**. 61: 906–915.

Mandas A, Iorio EL, Congiu MG, Balestrieri C, Mereu A, Cau D, Dessì S, Correlli N. *Oxidative imbalance in HIV-1 infected patients treated with antiretroviral therapy*. Journal of Biomedicine and Biotechnology. **2009**. Article ID 749575, 7 pages. doi:10.1155/2009/749575.

Kidney diseases

Conti P, Cerretini C, Oliviero C, Rossetti M, Tosi P, Bandini S, Salvadori M. *Lipoperoxidation and oxygen free radicals: blood changes in haemodialysis and haemofiltration* [original title "Lipoperossidazione e radicali liberi dell'ossigeno: variazioni ematiche in emodialisi ed emodiafiltrazione"]. Giornale Italiano di Nefrologia. **1998**. 15 (3): 1–2.

Testa. *Effects of a vitamin E-modified membrane on some plasma oxidative stress markers of hemodialyzed patients* [original title "Effetti di un filtro modificato con vitamina E su alcuni marker plasmatici di stress ossidativo in pazienti emodializzati"]. Report of the Hospital of Cremona. Cremona, Italy. **1999**. CLINICAL REPORT.

Usberti M, Bufano G, Lima G, Gazzotti RM, Tira P, Gerardi GM, Di Lorenzo D. *Increased red blood cell survival reduces the need of erythropoietin in hemodialyzed patients treated with exogenous glutathione and vitamin E-modified membrane*. Contrib Nephrol. **1999**. 127: 208–214.

Palumbo R, Bondanini F, Vitaliano E, Chiaretti B, Galliani M, Tarquini G, Travaglia S, Paone A, Zepponi E. *Hemodialysis and oxidative stress: reactive oxygen metabolites determination* [original title

- "Emodialisi e stress ossidativo: determinazione dei derivati dei metaboliti reattivi dell'ossigeno"]. *Giornale Italiano di Nefrologia*. **2000**. 17 (3, Special Number): 73.
- Palumbo R, Chiaretti B, Bondanini F, Vitaliano E, Tarquini G, Galliani M, Di Blasi S, Paone A. *Chronic renal failure, free radicals, and the oxidant/antioxidant status*. *Journal of The American Society of Nephrology*. **2000**. 11: 73A.
- Palumbo R, Chiaretti B, Vitaliano E, Bondanini F, Galliani M, Tarquini G, Travaglia S, Di Blasi S, Paone A, Zepponi E. *Oxidative stress and chronic renal failure: effects of hemodialysis*. Proceedings 37th Congress of the European Renal Association - European Dialysis and Transplant Association. First combined congress with European Kidney Research Association. September 17-20, 2000. Nice, France. **2000**. P. 246.
- Bamonti F, De Vecchi A, Novembrino C, Bucciatti G, De Franceschi M, Baragetti I, Ippolito S, Maiolo AT. *Oxidative stress and homocysteine in patients on chronic dialysis*. *Clin Chem Lab Med*. **2001**. 39 (Special Supplement): S114.
- Bamonti-Catena F, Bucciatti G, De Vecchi AF, Novembrino C, Ippolito S, De Franceschi M, Lonati S, Baragetti I, Maiolo AT. *Oxidative stress and chronic renal failure* [original title "*Stress ossidativo e uremia*"]. In *Aterosclerosi e rene*. Eds Bucciatti G, Wichting, Milan (Italy). **2001**. Pp. 29–37.
- Novembrino C, Bamonti F, Campise MR, Tarantino A, Ippolito S, Ponticelli C, Maiolo AT. *Homocysteine metabolism and oxidative stress after kidney transplantation*. *Clin Chem Lab Med*. **2001**. 39 (Special Supplement): S115.
- Albertini A, Gerardi GM, Ferrari F, Tira P, Gazzotti RM, Di Lorenzo D. *Application of different methods to evaluate oxidative stress and antioxidant capacity in sera of hemodialyzed patients*. **2002**. *CLINICAL REPORT*.
- Campise M, Tarantino A, Bamonti F, Novembrino C, Ippolito S, Lonati S, Montanino G, Ponticelli C, Cornelli U. *Oxidative status in kidney transplantation*. **2002**. *MEETING COMMUNICATION*.
- Gerardi GM, Usberti M, Martini G, Albertini A, Sugherini L, Pompella A, Di Lorenzo D. *Plasma total antioxidant capacity in hemodialyzed patients and its relationship to other biomarkers of oxidative stress and lipid peroxidation*. *Clin Chem Lab Med*. **2002**. 40 (2): 104–110.
- Ippolito S, Bamonti F, Novembrino C, Campise M, Lonati S, Ponticelli C, Cornelli U. *Oxidative status in kidney transplantation*. *Biochimica Clinica*. **2002**. 3 (26): 304.
- Ippolito S, Bamonti-Catena F, Novembrino C, Campise M, Ponticelli C, Lonati S, Cornelli U. *Oxidative status in kidney transplantation*. *Clin Chem Lab Med*. **2002**. 40 (Special Supplement): S 214.
- Novembrino C, De Vecchi A, Ippolito S, Lonati S, Bamonti-Catena F. *Oxidative stress after iron administration to peritoneal dialysis patients*. *Clin Chem Lab Med*. **2002**. 40 (Special Supplement): S 213.
- Usberti M, Gerardi G, Micheli A, Tira P, Bufano G, Gaggia P, Movilli E, Cancarini GC, De Marinis S, D'Avolio G, Broccoli R, Manganoni A, Albertini A, Di Lorenzo D. *Effects of a vitamin E-bonded membrane and of glutathione on anemia and erythropoietin requirements in hemodialysis patients*. *J Nephrol*. **2002**. 15: 558–564.
- Usberti M, Gerardi G, Bufano G, Tira P, Micheli A, Albertini A, Floridi A, Di Lorenzo D, Galli F. *Effects of erythropoietin and vitamin E-modified membrane on plasma oxidative stress markers and anemia of hemodialyzed patients*. *Am J Kidney Dis*. **2002**. 40(3): 590–599.
- Campise M, Bamonti F, Novembrino C, Ippolito S, Tarantino A, Cornelli U, Lonati S, Cesana BM, Ponticelli C. *Oxidative stress in kidney transplant patients*. *Transplantation*. **2003**. 76 (10): 1474–1478.
- Novembrino C, Berardinelli L, Lonati S, Carini M, Ippolito S, Bamonti F. *Follow-up of homocysteinemia and oxidative status in renal transplant recipients*. *J Inher Metab Dis*. **2003**. 26 (Suppl 1): 96.
- Novembrino C, Berardinelli L, Lonati S, Carini M, Ippolito S, Bamonti F. *Homocysteinemia and oxidative stress in renal transplant recipients*. *Clin Chem Lab Med*. **2003**. 41 (Special Supplement): S 344.
- Agorasti A, Mourvati E, Midioura T, Martassidou E, Konstantinidou D, Hatzidimitriou H. *Comparison of effect of EVAL and vitamin E-modified membrane on fibrinogen, D-dimers, antithrombin, protein C and oxidative stress in chronic haemodialysis patients*. Proceedings XVIIth International symposium on technological innovations in laboratory haematology. May 13–15, 2004. Barcelona (Spain). **2004**. 242.
- Bondanini F, Palumbo R, Cocciolillo GC, Fumagalli E, Galliani M, Calabria S, Paone A, Fusco A. *The evaluation of malnutrition-inflammation complex and oxidative stress in haemodialysed patients* [original title "*Valutazione del complesso malnutrizione-infiammazione e dello stress ossidativo in soggetti*"]

emodializzati"]. *Biochimica Clinica*. **2005**. 29 (2): 258.

De Vecchi AF, Novembrino C, Lonati S, Ippolito S, Bamonti F. *Two different modalities of iron gluconate i.v. administration: effects on iron, oxidative and inflammatory status*. *Nephrology dialysis transplantation*. **2005**. 20 (Suppl. 5): v272.

Novembrino C, Bonara P, Campise M, Frugoni C, Todisco G, Lonati S, Berardinelli L, Bamonti F. *Markers of endothelial damage in kidney transplant: a pilot study*. *Biochimica Clinica*. **2005**. 29 (2): 198.

De Vecchi AF, Novembrino C, Lonati S, Ippolito S, Bamonti F. *Two different modalities of iron gluconate i.v. administration: effects on iron, oxidative and inflammatory status in peritoneal dialysis patients*. *Nephrology Dialysis Transplantation*. **2007**. 22(6): 1709–1713.

Hadjiyannacos D, Metaxaki P, Sideris V, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long term effect on inflammation and oxidative stress*. Vi322. SaP267. **2007**. UNKNOWN CONGRESS.

Nakayama K, Terawaki H, Nakayama M, Iwabuchi M, Sato T, Ito S. *Reduction of serum antioxidative capacity during haemodialysis*. *Clin Exp Nephrol*. **2007**. 11: 218–224.

Palleschi S, De Angelis S, Diana L, Rossi B, Papa V, Severini G, Splendiani G. *Reliability of oxidative stress biomarkers in hemodialysis patients: a comparative study*. *Clin Chem Lab Med*. **2007**. 45 (9): 1211–1218.

Samouilidou E, Grapsa E, Karpouza A, Lagouranis A. *Reactive oxygen metabolites: a link between oxidative stress and inflammation in patients on hemodialysis*. *Blood Purif*. **2007**. 25 (2): 175–178.

Valenti L, Valenti G, Como G, Burdick L, Santarelli G, Dongiovanni P, Rametta R, Bamonti F, Novembrino C, Fracanzani AL, Messa PG, Fargion S. *HFE gene mutations and oxidative stress influence serum ferritin, associated with vascular damage, in hemodialysis patients*. *Am J Nephrol*. **2007**. 27:101–107.

Filiopoulos V, Hadjiyannacos D, Metaxaki P, Sideris V, Takouli L, Anogiati A, Vlassopoulos D. *Inflammation and oxidative stress in patients on hemodiafiltration*. *Am J Nephrol*. **2008**. 28: 949–957.

Ziakka S, Ursu M, Poulidakos D, Papadopoulos C, Karakasis F, Kaperonis N, Papagalanis N. *Predictive factors and therapeutic approach of renovascular*

disease: four years' follow-up. *Renal Failure*. **2008**. 30(10): 965–970.

Kaneko K, Taniguchi N, Tanabe Y, Nakano T, Hasui M, Nozu K. *Oxidative imbalance in idiopathic renal hypouricemia*. *Pediatr Nephrol*. **2009**. 24(4): 869–871.

Takouli L, Hadjiyannacos D, Metaxaki P, Sideris V, Filiopoulos A, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long-term effect on inflammation and oxidative stress*. *Renal Failure*. **2010**. Vol.32 (3): 287-293.

Liver diseases

Morisco F, Verde V, Ritieni A, Fogliano V, Tuccillo C, Iasevoli P, Caporaso N. *Changes in the oxidative profile during combination therapy (IFN α -2 β + ribavirin) in chronic hepatitis C*. *Journal of Hepatology*. **2000**. 32 (Suppl. 2): 175.

Loguercio C, De Girolamo V, de Sio I, Tuccillo C, Ascione A, Baldi F, Budillon G, Cimino L, Di Carlo A, Di Marino MP, Morisco F, Picciotto F, Terracciano L, Secchione R, Verde V, Del Vecchio Blanco C. *Non-alcoholic fatty liver disease in an area of southern Italy: main clinical, histological, and pathophysiological aspects*. *Journal of Hepatology*. **2001**. 35: 568–574.

Morisco F, Ascione A, Carbone A, De Luise G, Verde V, Caporaso N. *Measure of oxidative stress in patients with chronic hepatitis C undergoing antiviral treatment*. *Digestive and liver disease*. **2002**. 34 (Suppl. 1): A61.

Morisco F, Fogliano V, Ritteni A, Carbone A, Verde V, Caporaso N. *Serum hydroperoxides in chronic hepatitis C: A predictive parameter of sustained response to combination therapy*. *Digestive and liver disease*. **2002**. 34 (Suppl. 1): A61.

Verde V, Morisco F, Tuccillo T, Ritieni A, Fogliano V, Caporaso N. *Oxidative Status in chronic hepatitis C during Interferon and ribavirin combined therapy*. *Proceedings 1th International Meeting of the HNE-Club*. 4-hydroxynonenal and other lipid peroxidation products. July 13–15, 2002. Salzburg. Austria. **2002**. P. 59.

Mahmood S, Kawanaka M, Kamei A, Izumi A, Nakata K, Niiyama G, Ikeda H, Hanano S, Suehiro M, Togawa K, Yamada G. *Immunohistochemical evaluation of oxidative stress markers in chronic hepatitis C*. *Antioxidants & Redox Signaling*. **2004**. 6 (1): 19–24.

Morisco F, Verde V, Fogliano V, Ritieni A, Marmo R, De Luise G, Tuccillo C, Caporaso N. *Oxidative status in chronic hepatitis C: the influence of antiviral*

therapy and prognostic value of serum hydroperoxide assay. Free Radic Res. **2004**. 38 (6): 573–580.

Han SY, Chang EJ, Choi HJ, Nam SI, Lee NH, Kwak CS, Park SB, Kim HC, Mun KC. *Total antioxidant status and oxygen free radicals during hepatic regeneration.* Transplantation Proceedings. **2006**. 38: 2214–2215.

Ferenci P, Scherzer T-M, Kerschner H, Rutter K, Beinhardt S, Hofer H, Schoniger-Hekele M, Holzmann H, Steindl-Munda P. *Silibinin is a potent antiviral agent in chronic hepatitis C not responding to antiviral combination therapy.* Proceedings 43rd Annual Meeting of the European Association For The Study Of The Liver (EASL). April 23-27, 2008 Milan, Italy. **2008**.

Ando H, Takamura T, Matsuzawa-Nagata N, Shima K.R, Nakamura S, Kumazaki M, Kurita S, Misu H, Togawa N, Fukushima T, Fujimura A, Kaneko S. *The hepatic circadian clock is preserved in a lipid-induced mouse model of non-alcoholic steatopatitis.* **2009**. Biochemical and biophysical research communications. Vol. 13; 380 (3):684-8.

Kosaka J, Morimatsu H, Matsumi j, Kaku R, Morita K. *The relationship between oxidative stress antioxidant capacity and serum bilirubin level in living donor liver transplantation (LDLT) recipients.* Anesthesiology **2011**, American Society of Anesthesiologists Annual Meeting.

Neonatology and Paediatrics

Iamele L, Amboni P, Felletti S, Pasinetti G, Auriema A, Vernocchi A. *Reference values of hydroperoxides in the blood serum of newborns and adults* [original title "Valori di riferimento di idroperossido nel siero di neonati e adulti"]. Biochimica Clinica. **1997**. 21: 7–8.

Iamele L, Vernocchi A, Amboni P, Pasinetti G, Auriema A, Bellan C, Tempra A. *Normal values of free radicals in newborns and comparison with adults.* Proceedings 12th IFCC European Congress of Clinical Chemistry "Medlab '97". Basel, Switzerland. **1997**. P. 196.

Parmigiani S, Gambini L, Massari A, Pezzani I, Payer C, Bevilacqua G. *Evaluation of reactive oxygen metabolites with micromethod in neonates: determination of standards of normality in full-term babies.* Acta Biomed Ateneo Parmense. **1997**. 68 (Suppl. 1): 103–106.

Parmigiani S, Gambini L, Massari A, Pezzani I, Bevilacqua G. *Evaluation by micromethod of reactive oxygen metabolites in the newborn: assessment of normality standards* [original title "Valutazione con micrometodo dei metaboliti reattivi dell'ossigeno nel

neonato: determinazione degli standard di normalità"]. Proceedings 7th National Congress of Italian Society of Perinatal Medicine "Medicina Perinatale '98". March 25–28, 1998. Bari, Italy. **1998**. 266–269.

Corsi MM, Fulgenzi A, Gualandri V, Ferrero ME, Gaja G. *Free radicals, ROS, and lipoperoxides, LPO, in blood plasma of children with 21 trisomy syndrome* [original title "Radicali liberi, ROS, e lipoperossidi, LPO, nel plasma di bambini con trisomia 21"]. Proceedings 49th National AIPaC Congress. May 11–14, 1999. Naples, Italy. **1999**. P. 31.

Koç H, Aköz M, Gürbilek M, Ak M, Ay M, Gürel A, Çalışkan Ü. *Hiperbilirubinemili yenidoğanlarda fototerapinin serbest radikaller üzerine etkisi.* Genel Tıp Derg. **1999**. 9 (3): 87–91.

Buonocore G, Perrone S, Longini M, Terzuoli L, Bracci R. *Total hydroperoxide and advanced oxidation protein products in preterm hypoxic babies.* Pediatric Research. **2000**. 47 (2): 221–224.

Parmigiani S, Payer C, Massari A, Bussolati G, Bevilacqua G. *Normal values of reactive oxygen metabolites on the cord-blood of full-term infants with a colorimetric method.* Acta Biomed Ateneo Parmense. **2000**. 71 (1–2): 59–64.

Carratelli M, Porcaro R, Ruscica M, De Simone E, Bertelli AAE, Corsi MM. *Reactive Oxygen Metabolites (ROMs) and prooxidant status in children with Down Syndrome.* International Journal of Clinical Pharmacology Research. **2001**. 21 (2): 79–84.

Buonocore G, Perrone S, Longini M, Vezzosi P, Marzocchi B, Paffetti P, Bracci R. *Oxidative stress in preterm neonates at birth and on the seventh day of life.* Pediatric Research. **2002**. 52 (1): 46–49.

Buonocore G, Perrone S, Longini M, Paffetti P, Vezzosi P, Gatti MG, Bracci R. *Non protein bound iron as early predictive marker of neonatal brain damage.* Brain. **2003**. 126 (5): 1224–1230.

Dani C, Martelli E, Bestini G, Pezzati M, Filippi L, Rossetti M, Rizzati G, Rubaltelli FF. *Plasma bilirubin level and oxidative stress in preterm infants.* Arch Dis Child Fetal Neonatal Ed. **2003**. 88: F119–F123.

Dani C, Martelli E, Bertini G, Pezzati M, Rossetti M, Buonocore G, Paffetti P, Rubaltelli FF. *Effect of blood transfusions on oxidative stress in preterm infants.* Arch Dis Child Fetal Neonatal Ed. **2004**. 89 (5): F408–F411.

Dani C, Martelli E, Tronchin M, Buonocore G, Longini M, Di Filippo A, Giossi M, Rubaltelli FF. *Bilirubin influence on oxidative lung damage and surfactant*

surface tension properties. Pediatric Pulmonology. **2004**. 38 (3): 179–185.

Dani C, Masini E, Bertini G, Di Felice AM, Pezzati M, Ciofini S, Rossetti M, Gallori G, Ciuti R, Buonocore G, Paffetti P, Mannaioni PF, Rubaltelli F. *Role of heme oxygenase and bilirubin in oxidative stress in preterm infants*. Pediatric Research. **2004**. 56 (6): 873–877.

Kakita H, Hussein Mh, Daoud Ga, Kato T, Murai H, Sugiura T, Mizuno K, Yamada Y, Ito T, Fukuda S, Kato I, Suzuki S, Togari H. *Total hydroperoxide and biological antioxidant potentials in a neonatal sepsis model*. Pediatric Research. **2006**. 60 (6): 675–679.

Ezaki S, Kurishima C, Suzuki K, Kondo T, Tamura M. *Resuscitation of preterm infants with reduced concentration of inspired oxygen*. Proceedings 11th Annual Congress Perinatal Society of Australia and New Zealand (PSANZ 2007). 2007. April, 1–4. Melbourne Convention Centre. Melbourne, Victoria (Australia). **2007**.

Hussein MH, Daoud GA, Kakita H, Hattori A, Murai H, Yasuda M, Mizuno K, Goto K, Ozaki Y, Ito T, Tanaka T, Fukuda S., Kato I, Fujimoto S, Suzuki S, Sobajima H, Togari H. *The sex differences of cerebrospinal fluid levels of interleukin 8 and antioxidants in asphyxiated newborns*. Shock. **2007**. 28 (2): 154–159.

Kim SH, Hur HY, Lee KH, Moon JY, Chae KY. *Correlation of serum total hydroperoxide levels and diseases of prematurity*. Korean Journal of Pediatrics. **2007**. 50(8): 746–752.

Ezaki S, Ito T, Suzuki K, Tamura M. *Association between total antioxidant capacity in breast milk and postnatal age in days in premature infants*. J Clin Biochem Nutr. **2008**. 42: 133–137.

Bellieni CV, Iantorno L, Perrone S, Rodriguez A, Longini M, Capitani S, Buonocore G. *Even routine painful procedures can be harmful for the newborn*. Pain. **2009**. Sep 26. Epub ahead of print.

Ezaki S, Suzuki K, Kurishima C, Miura M, Weilin W, Hoshi R, Tanitsu S, Tomita Y, Takayama C, Wada M, Kondo T, Tamura M. *Resuscitation of preterm infants with reduced oxygen results in less oxidative stress than resuscitation with 100% oxygen*. J Clin Biochem Nutr. **2009**. 44: 111–118.

Kakita H, Hussein MH, Yamada Y, Henmi H, Kato S, Kobayashi S, Ito T, Kato I, Fukuda S, Suzuki S, Togari H. *High postnatal oxidative stress in neonatal cystic periventricular leukomalacia*. Brain Dev. **2009**. 31(9): 641–648.

Perrone S, Longini M, Marzocchi B, Picardi A, Bellieni CV, Proietti F, Rodriguez A, Turrisi G, Buonocore G. *Effects of lutein on oxidative stress in the term newborn: a pilot study*. Neonatology. **2010**. 97(1): 36–40. DOI: 10.1159/000227291.

Isozaki A, Tnaka A, Kikuchi N, Sugai K, Endo J, Nakamura Y, Yokota S. *Oxidative stress of Kawasaki disease: comparison between acute and convalescent phase along with administration of IVIG*. Pediatrics & Therapeutics. **2011**. <http://dx.doi.org/10.4172/2161-0665.1000105>.

Hussein MH, Hashimoto T, Daoug GA, Kakita H, Kato S, Goto T, Hibi M, Kato T, Okumura N, Tomoshige H, Hara F, Ito T, Fukuda S, Kato I, Suzuki T, Suzuki T, Togari H. *Oxidative stress after living related liver transplantation subsides with time in pediatric patients*. Pediatr. Surg. Int. **2011** Jan;27(1):17-22 doi:10.1007/s00383-010-2721-3.

Kogawa T, Kurauchi S, Nishimura M, Kashiwakura I. *P1-196 the characteristics of reactive oxygen metabolites detected in the serum of early Japanese teenagers*. J Epidemiol Community Health **2011**; 65:A120 doi:10.1136/jech.2011.142976d.89.

Takahashi K, Yoshimura K, Kitao T, Yamanouchi S, Kimata T, Tsuji S. *Intravenous immunoglobulin counteracts oxidative stress in Kawasaki disease*. Pediatric Cardiol. **2012** Doi:10.1007/s00246-012-0229-4.

Neurology and Psychiatry

Cornelli U, Terranova R, Luca S, Di Mauro C, Cornelli M. *Oxidative stress and senile dementia* [original title "Lo stress ossidativo e la demenza senile"]. La Medicina Biologica. **2001**. 3: 11–15.

De Klein OPM. *Cerebrale schade en oxidatieve stress bij coronaire arterie bypass grafting*. Hogeschool van Utrecht. Klinische Chemie E. Bruinhof. **2002**.

Squitti R, Lupoi D, Pasqualetti P, Dal Forno G, Vernieri F, Chioyenda P, Rossi L, Cortesi M, Cassetta E, Rossini PM. *Elevation of serum copper levels in Alzheimer's disease*. Neurology. **2002**. 59: 1153–1161.

Squitti R, Rossini PM, Cassetta E, Moffa F, Pasqualetti P, Cortesi M, Colloca A, Rossi L, Finazzi-Agro A. *d-penicillamine reduces serum oxidative stress in Alzheimer's disease patients*. Eur J Clin Invest. **2002**. 32 (1): 51–59.

Siciliano G, D'Avino C, Del Corona A, Barsacchi R, Kusmic C, Rocchi A, Pastorini E, Murri L. *Impaired oxidative metabolism and lipid peroxidation in exercising muscle from ALS patients*. Amyotroph Lateral

Scler Other Motor Neuron Disord. **2002**. 3 (2): 57–62.

Gualandri W, Gualandri L, Demartini G, Esposti R, Marthyn P, Volontà S, Stangoni L, Borgonovo M, Fraschini F. *Redox balance in patients with Down's syndrome before and after dietary supplementation with α -lipoic acid and L-cysteine*. Int J Clin Pharm Res. **2003**. 23 (1): 23–30.

Squitti R, Pasqualetti P, Cassetta E, Dal Forno G, Cesaretti S, Pedace F, Finazzi-Agrò A, Rossigni PM. *Elevation of serum copper levels discriminates Alzheimer's disease from vascular dementia*. Neurology. **2003**. 60: 1–2.

Bamonti F, Cornelli U, Galimberti D, Guidi I, Lonati S, Novembrino C, Scarpini E, Bresolin N. *Oxidative stress monitoring in patients affected by senile dementia* [original title "*Monitoraggio dello stress ossidativo in pazienti affetti da demenza senile*"]. La Medicina Biologica. **2004**. 4: 27–32.

Carapelli S, Morgante L, Epifanio A, Vanacore N, Mecò G, Marconi R. *Serum hydroperoxides are markers of oxidative stress in the Parkinson's disease* [original title "*Gli idroperossidi sierici sono un marker di stress ossidativo nella malattia di Parkinson*"]. Proceedings XXXI Congresso Nazionale LIMPE. Comorbidità nel Parkinson, nei parkinsonismi e nelle demenze. Abano Terme (Padua, Italy). **2004**.

Forte G, Bocca B, Senofonte O, Petrucci F, Brusa L, Stanzione P, Zannino S, Violante N, Alimenti A, Sancesario G. *Trace and major elements in whole blood, serum, cerebrospinal fluid and urine of patients with Parkinson's disease*. Journal of Neural Transmission. **2004**. 111 (8): 1031–1040.

Alimonti A, Bocca B, Forte G, Pino A, Ruggirei F. *The Parkinson's disease: biomonitoring of chemical elements and oxidative damage* [original title "*Morbo di Parkinson: biomonitoraggio degli elementi chimici e del danno ossidativo*"]. Rapporti ISTISAN – 05/23 Istituto Superiore di Sanità. Roma (Italy). **2005** (3): Suppl. 11.

Bamonti F, Cornelli U, Galimberti D, Guidi I, Lonati S, Novembrino C, Scarpini E, Bresolin N. *Cerebral oxidation and senile dementia* [original title "*Ossidazione cerebrale e demenza senile*"]. Proceedings of the Congress "Healthy aging". September 30 to October 1st. Spoleto (Italy). **2005**.

Bocca B, Forte G, Petrucci F, Pino A, Marchione F, Bomboi G, Senofonte O, Giubilei F, Alimonti A. *Monitoring of chemical elements and oxidative damage in patients affected by Alzheimer's disease*. Ann Ist Super Sanità. 41 (2): 197–203.

Dohi K, Satoh K, Ohtaki H, Shioda S, Miyake Y, Shindo M, Aruga T. *Elevated plasma levels of bilirubin in patients with neurotrauma reflect its pathophysiological role in free radical scavenging*. In Vivo. **2005**. 19 (5): 855–860.

Forte G, Alimonti A, Pino A, Stanzione P, Brescianini S, Brusa L, Sancesario G, Violante N, Bocca B. *Metals and oxidative stress in patients with Parkinson's disease*. Ann Ist Super Sanità. **2005**. 41 (2): 189–195.

Squitti R, Pasqualetti P, Dal Forno G, Moffa F, Cassetta E, Lupoi D, Verzieri F, Rossi L, Baldassini M, Rossigni PM. *Excess of serum copper not related to ceruloplasmin in Alzheimer disease*. Neurology. **2005**. 64 (6): 1040–1046.

Guidi I, Cornelli U, Novembrino C, Lonati S, Galimberti D, Scarpini E, Lambertenghi-Deliliers G, Bamonti F. *A new method to discriminate among different memory disorders*. Proceedings XIX International congress of clinical chemistry IFCC/AACC 2005. Annual Meeting. July 24–28, 2005. Orlando, Florida (USA). **2005**. C55.

Metelli MR, Bongioanni P, Manzone F, Fulceri F, Puccetti C, Panicucci E, Rossi B, Pietrini P. *Reactive oxygen metabolites (ROMs) in motor neuron disease*. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 137.

Visconti A, Cotichini R, Cannoni S, Bocca B, Forte G, Ghazaryan A, Santucci S, D'ippolito C, Stazi MA, Salvetti M, Alimonti A, Ristori G. *Concentration of elements in serum of patients affected by multiple sclerosis with first demyelinating episode: a six-month longitudinal follow-up study*. Ann Ist Super Sanità. **2005**. 41 (2): 217–222.

Cova E, Bongioanni P, Cereda C, Galli A, Corato M, Rossi B, Ceroni M. *Decreased levels of reactive oxygen species, SOD1 expression and activity in peripheral tissues of sporadic amyotrophic lateral sclerosis patients*. Amyotrophic Lateral Sclerosis. **2006**. 7 (Suppl 1): 161.

Guidi I, Galimberti D, Lonati S, Novembrino C, Bamonti F, Tiriticco M, Fenoglio C, Venturelli E, Baron P, Bresolin N, Scarpini E. *Oxidative imbalance in patients with mild cognitive impairment and Alzheimer's disease*. Neurobiol Aging. **2006**. 27 (2): 262–269.

Squitti R, Barbati G, Rossi L, Ventriglia M, Dal Forno G, Cesaretti S, Moffa F, Caridi I, Cassetta E, Pasqualetti P, Calabrese L, Lupoi D, Rossin, PM. *Excess of nonceruloplasmin serum copper in AD correlates with MMSE, CSF [beta]-amyloid, and h-tau*. Neurology. 67(1): 76–82.

Tejero JF. *Preventive psychotherapy. Anxiety and stress* [Original title "Psicoterapia Preventiva. Ansiedad-Estrés"]. Thesis Master en Psicología Clínica y de la Salud Curso 2 (Codigo PC2BAFSO 06). **2006**.

Yamanaka G, Kawashima H, Suganami Y, Watanabe C, Watanabe Y, Miyajima T, Takekuma K, Oguchi S, Hoshika A. *Diagnostic and predictive value of CSF d-ROM level in influenza virus-associated encephalopathy*. J Neurol Sci. **2006**.

Dohi K, Satoh K, Nakamachi T, Yofu S, Hiratsuka K, Nakamura S, Ohtaki H, Yoshikawa T, Shioda S, Aruga T. *Does Edaravone (MCI-186) act as an anti-oxidant and a neuroprotector in experimental traumatic brain injury?* Antioxid. Redox Signal. **2007**. 8: 281–287.

Ambrosetti U, Gualandri V. *Inquadramento clinico, chirurgico e riabilitativo della persona con Sindrome di Down*. Omega Edizioni. **2008**: 261-290.

Kawashima H, Ioi H, Ishii C, Hasegawa Y, Amaha M, Kashiwagi Y, Takekuma K, Hoshika A, Watanabe Y. *Viral loads of cerebrospinal fluid in infants with enterovirus meningitis*. J Clin Lab Anal. **2008**. 22: 216-219.

Okazaki M, Iwata N, Horiuchi S, Kamiuchi S, Suzuki F, Iizuka H, Hibino Y. *Protective effects of a water-soluble extract from culture medium of ganoderma lucidum mycelia against neuronal damage after hypoxia-ischemia in mice*. Japanese Journal (?). **2008**. 6: 153–162.

Yamanaka G, Ishii C, Kawashima H, Oana S, Miyama T, Hoshika A. *Cerebrospinal fluid Diacron-reactive oxygen metabolite levels in pediatric patients with central nervous system diseases*. Pediatr Neurol. **2008**. 39: 80–84.

Cornelli U. *Treatment of Alzheimer's disease with a cholinesterase inhibitor combined with antioxidants*. Proceedings Alzheimer's and Parkinson's disease: advances, concepts and new challenges. 9th International Conferences AD/PP. Prague, Czech Rep. March, 11–15, 2009. **2009**.

Iwata N, Okazaki M, Kamiuchi S, Hibino Y. *Protective effects of oral administered ascorbic acid against oxidative stress and neuronal damage after cerebral ischemia/reperfusion in diabetic rats*. J Health Sci. **2009**. 56(1). IN PRESS.

Dohi K, Satoh K, Nakamachi T, Ohtaki H, Yofu S, Nakamura S, Shioda S, Aruga T. *Novel free radical monitoring in patients with neurological emergency*

diseases. Acta Neurochir Suppl. **2010**. 106: 315–319.

Kawashima H, Suzuki K, Yamanaka G, Kashiwagi Y, Takekuma K, Amaha M, Takahashi Y. *Anti-Glutamate receptor antibodies in pediatric enteroviral encephalitis*. **2010**. International Journal of Neuroscience. Vol. 120 (2): 99-103.

Matsushita M, Kumano-go T, Suganuma N, Adaki H, Yamanura S, Morishima H, Shigedo Y, Mikami A, Takeda M, Sugita Y. *Do depressive symptoms correlate with oxidative stress in a sample of healthy college students?* The European journal of psychiatry. **2010**. Vol.24 (2): 63-69. DOI: 10.4321/S0213-61632010000200001.

Ohthaki H, Satoh A, Nakamachi T, Yofu S, Dohi K, Mori H, Ohara K, Miyamoto K, Hashimoto H, Shintani N. *Regulation of oxidative stress in pituitary adenylate cyclase activating polypeptide (PACAP) mediated by PACAP receptor*. Journal of Molecular Neuroscience. **2010**. Vol. 2, n.3, 397-403. DOI: 10.1007/s12031-010-9350-0.

Venera C, Novembrino C, Bamonti catena F, Fracchiolla N.S, Gianellice U, Savice F, Radaelli F, Fermo E, Cortellezzi A, Lonati S, menegatti M. *Oxidative stress is increase in primary and post-polycythemia vera myelofibrosis*. **2010**. Nov. 38(11): 1058-65.

Squitti R, Salustri C, Siotto M, Ventriglia M, Vernieri F, Lupoi D, Cassetta E, Rossini P.M. *Ceruloplasmin/transferrin ratio changes in Alzheimer's disease*. **2011**. International journal of Alzheimer's disease. Vol 2011, Article ID 231595, DOI:10.461/2011/231595.

Obstetrics and Gynaecology

Ippolito S, Ambroso G, Mani AR, Novembrino C, Lonati S, Ponticelli C, Bamonti F. *Evaluation of endothelial damage risk factors in preeclampsia*. J Inherit Metab Dis. **2003**. 26 (Suppl. 1): 44.

Ippolito S, Ambroso G, Mani AR, Novembrino C, Lonati S, Ponticelli C, Bamonti F. *Oxidative and nitrative status in preeclampsia and normal pregnancy*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 301.

Harsem NK, Braekke K, Staff AC. *Augmented oxidative stress as well as antioxidant capacity in maternal circulation in preeclampsia*. Eur J Obstet Gynecol Reprod Biol. **2006**. 128: 209–215.

Kodama H, Shinohara H, Nukazuka A, Narita Y, Yoshida M. *Implications of an oxidative stress marker, serum hydroxiperoxide concentration, in the medical checkup of pregnant women at around*

30 weeks of gestation. Japanese Journal of Maternal Health. **2008**. 49(1): 98–106.

Pansini F, Cervellati C, Guariento A, Stacchini MA, Castaldini C, Bernardi A, Pascale G, Bonaccorsi G, Patella A, Bagni B, Mollica G, Bergamini CM. *Oxidative stress, body fat composition, and endocrine status in pre- and postmenopausal women*. Menopause. **2008**. 15 (1): 112–118

Occupational and Environmental Medicine

Liotti F, Maselli R, De Prisco R, Iorio EL, De Seta C, Sannolo N. *Oxidant agents in work environment and professional bronchopneumopathies* [original title "Agenti ossidanti in ambiente di lavoro e broncopneumopatie professionali"]. Proceedings Meeting "Giornate Scientifiche della Facoltà 2000". May 17–19, 2000. Second University of Naples. Naples, Italy. **2000**. Pp. 555-556.

Vuotto ML, De Seta C, Liotti F, Spatuzzi D, Pezone L, Musto D, Nappo C, Riardo Esposito C, Borrelli I, Sannolo N. *Biomarkers of oxidative damage in workers at risk for professional COPD: preliminary observations* [original title "Biomarcatori di danno ossidativo in lavoratori a rischio di broncopneumopatie croniche ostruttive: osservazioni preliminari"]. **2001**. G Ital Med Lav Erg. 23 (3): 388.

Iorio EL. *Oxidative stress as a health risk factor. The role of environment factors*. [original title "Lo stress ossidativo quale fattore di rischio per la salute. Il ruolo dei fattori ambientali"]. Proceedings Giornate Medico-Chirurgiche Romane "Ambiente: salute o malattia". October 31, 2003. Rome, Italy. **2003**.

Flore R, Gerardino L, Santoliquido A, Pola R, Flex A, Di Campli C, Pola P, Tondi P. *Enhanced oxidative stress in workers with a standing occupation*. Occupational and Environmental Medicine. **2004**. 61: 548–550.

Gozzo ML, Callà C, Colacicco L, Lipa S, De Sole P, Giardina B, Mormile F. *Markers of oxidative damage in workers of travertine quarries in Italy*. Biochimica Clinica. **2005**. 29 (2): 253.

Flore R, Gerardino L, Santoliquido A, Catananti C, Pola P, Tondi P. *Reduction of oxidative stress by compression stockings in standing workers*. Occup Med (Lond). **2007**. 57 (5): 337–341.

Keretsetse GS, Laubscher PJ, Du Plessis JL, Pretorius PJ, Van Der Westhuizen FH, Van Deventer E, Van Dyk E, Eloff FC, Van Aarde MN, Du Plessis LH. *DNA damage and repair detected by the comet assay in lymphocytes of African petrol attendants: a pilot*

study. Annals of Occupational Hygiene. **2008**. 52(7): 653–662.

Braconi D, Bernardini G, Fiorani M, Azzolini C, Marzocchi B, Proietti F, Collodel G, Santucci A. *Oxidative damage induced by herbicides is mediated by thiol oxidation and hydroperoxides production*. **2010**. Free radical research. Aug. Vol.44 (8):891-906. DOI: 10.3109/10715762.2010.489111.

Oncology

Giaretta R, Ronzani G, Meneghini G. *Oxidative stress, breast cancer, tamoxifen* [original title "Stress ossidativo, cancro alla mammella, tamoxifene"]. ADI Magazine. **2006**. 4 (10): 419 – 420.

La Torre F, Orlando A, Silipigni A, Giacobello T, Pergolizzi S, Aragona M. *Increase of oxygen free radicals and their derivatives in chemo- and radiation treated neoplastic patients* [original title "Incremento dei radicali liberi dell'ossigeno e dei loro derivati in pazienti neoplastici chemio e radiotrattati"]. Minerva Medica. **1996**. 86: 1–4.

Ivkovic S, Zabcic D. *Antioxidative therapy: nanotechnology product TMA-ZEOLITE reduces oxidative stress in cancer and diabetic patients*. **2002**. Free Radical Biology and Medicine. 33 (Suppl 2).

Ivkovic S, Zabcic D. *The effect of tribomechanically activated zeolite (TMAZ) on total antioxidant status of healthy individuals and patients with malignant disease*. **2002**. Free Radical Biology and Medicine. 33 (Suppl 1).

Mantovani G, Macciò A, Madeddu C, Mura L, Massa E, Gramignano G, Lusso MR, Murgia V, Camboni P, Ferrelli L. *Reactive oxygen species, antioxidant mechanisms and serum cytokine levels in cancer patients: impact of an antioxidant treatment*. J Cell Mol Med. **2002**. 6 (4): 570–582.

Isa L, Mor C, Chignoli MR, Bolzoni P, Fossati S, Galli G, Liverani A, Borgonovo M, Scaglione F, Fraschini F. *Complementary therapy with α -lipoic acid plus L-cysteine in patients with advanced cancers. Preliminary results* [original title "Terapia complementare con acido alfa-lipoico + L-cisteina in pazienti affetti da tumori in fase avanzata. Risultati preliminari"]. **2003**. CLINICAL REPORT.

Ivkovic S, Vujaskovic Zeljko, Zabcic D. *Klinische Effekte der neuen antioxidativen Substanz TMAZ (Tribomechanisch Aktivierte Zeolithe)*. **2003**. CLINICAL REPORT.

Mantovani G, Maccio A, Madeddu C, Mura L, Gramignano G, Lusso Mr, Murgia V, Camboni P, Ferrelli L, Mocci M, Massa E. *The impact of different antioxi-*

dant agents alone or in combination on reactive oxygen species, antioxidant enzymes and cytokines in a series of advanced cancer patients at different sites: correlation with disease progression. *Free Radical Research*. **2003**. 37 (2): 213–223.

Isa L, Mor C, Fossati S, Bolzoni P, Scaglione F, Chignoli MR, Chiericato L, Galli G, Liverani A, Borronovo M, Frascini F. *Support therapy by means of phyto-complexes with high nutritional content in elderly underwent anticancer chemotherapy: old and news results*. [original title "Terapia di supporto mediante fitocomplessi ad alto contenuto nutrizionale in soggetti anziani sottoposti a chemioterapia antitumorale: risultati vecchi e nuovi"]. **2004**. *CLINICAL REPORT*.

Guglielmi AG. *Cancer related anorexia/cachexia and oxidative stress: an innovative approach beyond current treatment*. **2004**. Research program of Bari University.

Corsi MM, Pagani D, Iorio EL, Dogliotti G, Verna R, Sambataro G, Pignataro L. *Blood reactive oxygen metabolites (ROMs) and total antioxidant status (TAS) in patients with laryngeal squamous cell carcinoma after surgical treatment*. *Clin Chem Lab Med*. **2006**. 44(8): 1047–1048.

Inokuma T, Haraguchi M, Fujita F, Tajima Y, Kanematsu T. *Oxidative stress and tumor progression in colorectal cancer*. *Hepatogastroenterology*. **2009**. 56(90): 343–347.

Landoni G, Mariani E, Oriani G, Donarini C, Guerriero T, Iorio EL. *Improvement of antioxidant status in women conventionally treated for breast cancer after 12 months of a cow milk whey-based supplementation. A preliminary study*. *Mediterranean Journal of Nutrition and Metabolism*. **2009**. 2(2): 127–131.

Sakhi A, Russenes KM, Thoresen M, Bastani NE, Karlsen A, Smeland S, Blomhoff R. *Pre-radiotherapy plasma carotenoids and markers of oxidative stress are associated with survival in head and neck squamous cell carcinoma patients: a prospective study*. *BMC Cancer*. **2009**. 9: 458 DOI: 10.1189/1471-2407-9-458.

Shinoda N, Myake Y, Matushima Y, Suzuki I, Iwasa H, Iwasa M, Kosaka K, Hasegawa M, Naito Y. *Anti-tumor activity in the mixture of water soluble propolis (WSP) and Enterococcus faecalis (EF-2001)*. *JAPANESE JOURNAL*. **2009**. 189–194.

Nishikawa T, Okamoto Y, Kodama Y, Tanabe Y, Shinokoda Y, Kawano Y. *Serum derivative of reactive oxygen metabolites (d-ROMs) in pediatric hemato-oncological patients with neutropenic fever*.

Pediatric Blood Cancer. **2010**. 15; 55 (1): 91–104.

Tomasetti M, Strafella E, Staffolani S, Santarelli L, Neuzil J, Guerrieri R. *α -tocopheryl succinate promotes selective cell death induced by vitamin K3 in combination with ascorbate*. **2010**. *British Journal of Cancer*. Vol.102 : 1224–1234.

Ophthalmology

Simonelli F, Zarrilli F, Mazzeo S, Verde V, Romano N, Savoia M, Testa F, Vitale DF, Rinaldi M, Sacchetti L. *Serum oxidative and antioxidant parameters in a group of Italian patients with age-related maculopathy*. *Clinica Chimica Acta*. **2002**. 320: 111–115.

Mastromatteo A, Labate A, Cappello V, Recupero V, Cruciani F, Senofonte O. *A preliminary survey on the free radical concentration in the serum of patients with advanced cataract* [original title "Indagine preliminare sulla concentrazione dei radicali liberi nel siero di pazienti con cataratta avanzata"]. *Oftalmologia Sociale*. **2003**. 24 (4): 20–26.

Pece A, Marchetti M, Pallotti R. *The free radicals* [original title: "I radicali liberi"]. SOOFT Italia Ed. **2006**. Book.

Sakane N, Fujiwara S, Sano Y, Domichi M, Tsuzaki K, Matsuoka Y, Hamada T, Saiga K, Kotani K. *Oxidative stress, inflammation, and atherosclerotic changes in retinal arteries in the Japanese population; results from the MIMA Study*. *Endocrine J*. **2008**. 55(3): 485–488.

Scalinci SZ, Scorolli L, Gaudio RM, Morara MC, Meduri RA, Ciardella AP. *Circulating antioxidants in patients suffering from senile macular degeneration. Our experience*. [original title "Antiossidanti in circolo in pazienti affetti da DMS (degenerazione maculare senile). Nostra esperienza"]. *Proceedings 88° Congresso Nazionale Società Oftalmologia Italiana (SOI)*. Novembre, 26–29, 2008. Rome, Italy. **2008**. 123–124.

Nojima J, Motoki Y, Tsuneoka H, et al. *Oxidation stress index as a possible clinical marker for the evaluation of non-Hodgkin lymphoma*. *British Journal of Haematology*. **2011** doi:10.1111/j.1365-2141.2011.08719.x

Otolaryngology

Serra A, Garozzo A, Cocuzza S, D'Amico VA, Carnevale G, Maiolino L. *Role of free radicals and their determination by means of d-ROMs test in Ménière's diseases* [original title "Ruolo dei radicali liberi e loro determinazione mediante d-ROMs test nella malattia di Ménière"]. *Progressi in Audiologia e Vestibologia*. **1999**. 3: 1–2.

Raponi G, Alpini D, Volontà S, Capobianco S, Cesarani A. *The role of free radicals and plasmatic antioxidant in Ménière's syndrome*. International Tinnitus Journal. **2003**. 9 (2): 104–108.

Bäckman PAM. *Hyperacusis treatment with a combination of low level laser light, anti-oxidant control and pulsed electromagnetic field – A clinical pilot study*. **2004**. IN PRESS.

Scalinci SZ, Scorolli L, Gaudiano RM, Morara M, Meduri A, Vismara S. *Determination du cycle des radicaux libre set effets cliniques chez les patientes soumis a un regime alimentaire déterminé et role des anti-oxydants*. Journal Français d'Ophthalmologie. **2009**. Vol 32. N.HS1 p.20. DOI: JFO-04-2009-32-HS1-181-5512-101019-200902360.

Goto F, Hayashi K, Kunihiro T, Ogawa K. *The possible contribution of angiitis to the onset of benign paroxysmal positional vertigo (BPPV)* The International Tinnitus Journal. **2010**; 16(1):25-28.

Oxidative stress and recognised health risk factors

Antoniceilli R, Testa R, Bonfigli AR, Sirolla C, Pieri C, Marra M, Marcovina SM. *Relationship between lipoprotein(a) levels, oxidative stress, and blood pressure levels in patients with essential hypertension*. Clinical and Experimental Medicine. **2001**. 1 (3): 145–150.

Capunzo M, Iorio EL, Cavallo P. *Correlation between oxidative stress and plasma lipids levels: results of a preliminary study* [original title "Correlazione fra stress ossidativo e livello di lipidi plasmatici: risultati di uno studio preliminare"]. I Quaderni dell'Università di Salerno. **2001**. 91–102.

De Prisco R, Attianese P, Lione D, Balestrieri C, Iorio EL. *Oxidative stress and serum lipids*. Proceedings 10th Congreso Italo-latinoamericano de Etnomedicina. September 23–28, 2001. Isla de Margarita, Venezuela. **2001**.

Iorio EL, Escalona M, De Prisco R, Attianese P, Caratelli M. *Impairment of redox balance in obesity*. Proceedings 10th Congreso Italo-latinoamericano de Etnomedicina. September 23–28, 2001. Isla de Margarita, Venezuela. **2001**.

Bamonti-Catena F, Cighetti G, Novembrino C, Soresi E, Ippolito S, Lonati S, Maiolo AT. *Oxidative stress in smoker and non-smokers subjects*. Proceedings ATB 2001. October 3–5, 2001. Milan, Italy. **2001**. P. 33.

Bamonti-Catena F, Cighetti G, Novembrino C, Ippolito S, Lonati S, Soresi E. *Oxidative stress in*

smokers and non-smokers: effect of an antioxidant supplementation. Clin Chem Lab Med. **2002**. 40 (Special Supplement): S 180.

Bamonti-Catena F, Ippolito S, Novembrino C, Lorenzano E, Lonati S, Della Noce C, Tonini A, Ingrassano H, Rosina M, Accinni R. *Homocysteinemia and oxidative stress*. **2002**. CLINICAL REPORT.

Ippolito S, Lonati S, Novembrino C, Soresi E, Bamonti F. *Oxidative status in smokers*. Biochimica Clinica. **2002**. 3 (26): 287.

Accinni R, Campolo J, Bernacchi F, Rosina M, Tonini A, Dellanoce C, Caruso R, Gorini M, Capello T, Lonati S, Novembrino C, Ippolito S, Gherzi L, Bamonti F. *Evaluation of thiol redox status in hyperlipidemic patients on lipid-lowering and antioxidant treatment*. Proceedings 15th European Congress of Clinical Chemistry and Laboratory Medicine. June 1–5, 2003. Barcelona, Spain. Monduzzi Eds. **2003**. Pp.169–172.

Accinni R, Campolo J, Bernacchi F, Tonini A, Dellanoce C, Caruso R, Gorini M, Lorenzano E, Rocchi R, Lonati S, Novembrino C, Ippolito S, Grossi S, Bamonti F. *Oxidative stress in dyslipidemia: evaluation of PUFA n-3 effect with addition of vitamin E and gammaoryzanol*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 464.

Accinni R, Campolo J, Bernacchi F, Tonini A, Dellanoce C, Caruso R, Gorini M, Capello T, Lonati S, Novembrino C, Ippolito S, Gherzi L, Rosina M, Bamonti F. *Evaluation of thiol redox status in dyslipidemic patients on lipid-lowering and antioxidant treatment*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 464.

Accinni R, Rosina M, Bernacchi F, Campolo J, Tonini A, Dellanoce C, Caruso R, Gorini M, Lorenzano E, Rocchi R, Lonati S, Novembrino C, Ippolito S, Grossi S, Bamonti F. *Hyperlipidemia and oxidative stress: evaluation of PUFA n-3, vitamin E and γ -oryzanol combination*. Proceedings 15th European Congress of Clinical Chemistry and Laboratory Medicine. June 1–5, 2003. Barcelona, Spain. Monduzzi Eds. **2003**. Pp. 173–176.

Bamonti F, Ippolito S, Novembrino C, Lorenzano E, Lonati S, Della Noce C, Tonini A, Ingrassano H, Rosina M, Accinni R. *Homocysteinemia and oxidative stress in dislipidemia*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): A 19.

Esposito F, Morisco F, Verde V, Ritieni A, Alezio A, Caporaso N, Fogliano V. *Moderate coffee consumption increases plasma glutathione but not homocysteine in healthy subjects*. Alimentary Pharmacology & Therapeutics. **2003**. 17 (4): 595–601.

- Atabek ME, Vatansev H, Erkul I. *Oxidative stress in childhood obesity*. J Pediatr Endocrinol Metab. **2004**. 17 (8): 1063–1068.
- Tzanakari A, Efthimiadis I, Tavridou A, Efthimiadis Ap, Psirropoulos D, Lefkos N. *The antioxidant action of statins and other antioxidants in dyslipidaemia*. Hippokratia. **2004**. 8 (3): 128–132.
- Cornelli U, Belcaro G, Cesarone MR, Cornelli M, Ledda A. Polyglucosamine – The action on oxidised lipids and dyslipidemias [original title "Poliglucosamina – Azione su lipidi ossidati e dislipidemie"]. La Medicina Biologica. **2006**. 1: 3–7.
- Cornelli U, Belcaro G, Cesarone MR, Cornelli M, Ledda A. *Polyglucosamine - action on oxidised lipids and dyslipidemias*. Physiologic Regulating Medicine. **2006**. 1: 25–29.
- Porkert M, Sher S, Alexopoulos E, Pedersen MF, Terry JB, Narlow K, Reddy U, Ziegler TR, Dunbar SB, Jones DP, Harrison D, Taylor WR, Sutcliffe D, Hooper C, Wayne Alexander R, Quyyumi AA. *Effects of mediterranean diet or supplements on circulating endothelial progenitor cells in obesity*. JACC. **2006**. 345A.
- Ruskovska T, Dimovska J, Georgieva B, Nikolovski A. *Influence of lovastatin and combined antioxidant therapy on oxidative status parameters*. Free Radical Research. **2006**. 40 (S1): S117.
- van Oostrom AJHMM, Plokker HWM, van Asbeck BS, Rabelink TJ, van Kessek KPM, Jansen EHJM, Stehouwer CDA, Castro Cabezas M. *Effects of rosuvastatin on postprandial leukocytes in mildly hyperlipidemic patients with premature coronary sclerosis*. Atherosclerosis. **2006**. 185 (2): 331–339.
- Cazzola R, Rondanelli M, Trotti R, Camerotto C, Cestaro B. *Oxidative state and lipid composition of plasma from overweight and moderately obese women*. Mediterr J Nutr Metab. **2008**. 1: 19–24.
- Uva V, Novembrino C, De Giuseppe R, Vigna L, Leoni L, Ribaldi L, Bamonti F. *Homocysteine metabolism and oxidative status in obese subjects* [original title: "Metabolismo dell'omocisteina e stato ossidativo in soggetti obes!"]. Journal of clinical ligand assay. **2008**. 13(2): 166.
- Gletsu-Miller N, Hansen J.M, Jones D.P. et al. *Loss of total and visceral adipose tissue mass predicts decreases in oxidative stress after weight-loss surgery*. Obesity. **2009**. Vol.17 N°3;439-446 doi:10.1038/oby.2008.542.
- Vassalle C, Maffei S, Ndreu R, Mercuri A. *Age-related oxidative stress modulation by smoking habit and obesity*. Clin Biochem. **2009**. 42(7-8): 739–741.
- Yamaoka-Tojo M, Tojo T, Kosugi R, Hatakeyama Y, Yoshida Y, Machida Y, Aoyama N, Masuda T, Izumi T. *Effects of ezetimibe add-on therapy for high-risk patients with dyslipidemia*. Lipids in Health and Disease **2009**. 8: 41. doi:10.1186/1476-511X-8-41.
- Fumiyuki G, Ken H, Takano K, Kaoru O. *The possible contribution of angiitis to the onset of benign paroxysmal positional vertigo (BPPV)*. **2010**. International Tinnitus Journal. Vol. 16 (1) : 25-8.
- Iorio EL. *New perspective in oxidative stress research: The Redoxomics*. International conference on Advances in Free Radical Research, natural products, antioxidants and radioprotectors in Health & Ninth, India. **2010**
- Giongo L, Bozza E, Caciagli P, Valente E, Pasquazzo MT, Pedrolli C, Iorio EL, Costa A. *Short-term blueberry intake enhances biological antioxidant potential and modulates inflammation markers in overweight and obese children*. Journal of Berry Research. **2011**. Vol.1N°3/2011:147-158 doi:10.3233/BR-2011-016
- Kostapanos M.S, Spyrou A.T., Tellis C.C, Gazil I.F. et al. *Ezetimibe treatment lowers indicators of oxidative stress in hypercholesterolemic subjects with high oxidative stress*. Lipids. **2011**. 46(4):341-8. Epub 2011 feb 26 doi: 10.1007/s11745-011-3539-z.
- Taito S, Sekikawa K, Domen S, Konishi S, Kimura T, Takahashi T, Inamizu T. *Pulmonary oxidative stress is induced by maximal exercise in young cigarette smokers*. Nicotine Tob. Res. **2011** doi:10.1093/ntr/ntr237.
- Vassalle C, Novembrino C, Maffei S, Sciarrino R et al. *Determinants of oxidative stress related to gender: relevance of age and smoking habit*. Clinical Chemistry. **2011**. doi:10.1515/CCLM.2011.662.
- Murrow J.R, Sher S, Ali S, Uphoff I, Patel R, Porkert M, Le A.N, Jones D, Quyyumi A.A. *The differential effect of statin on oxidative stress and endothelial function: Atorvastatin versus pravastatin*. J Clin Lipidol. **2012**. Jan;6(1):42-9 Epub 2011 Sep.13.

Oxidative stress, lifestyle and antioxidant supplementation

Vitola NM, Paraggio C, De Luna A, Nigro C. *Dosing of serum free radicals as possibile marker of alcohol abuse* [original title "Il dosaggio dei radicali liberi

- serici quale possibile marker di abuso alcolico*]. Report of the Laboratory of Radioimmunology. Hospital of Battipaglia, Salerno, Italy. **1999**. *CLINICAL REPORT*.
- Cornelli U, Bonina F, Valsasina T, Cornelli M. *Attività antiossidante del Red Orange*. Progress in Nutrition. **2000**. 2(1): 1–7.
- Cornelli U, Cornelli M, Terranova R, Luca S. *The specific importance of antioxidants in diet supplementation* [original title "*L'importanza specifica degli antiossidanti nella supplementazione dietetica*"]. Proceedings 2th SENB Congress. **2000**. 18–23.
- Iorio EL. *Courses of food education in the schools: to eating well – to eating safely* [original title "*Corsi di educazione alimentare nelle scuole: mangiare bene – mangiare sicuro*"]. Scientific Nutrition Today. **2000**. 2: 17.
- Iorio EL. *Mediterranean diet and oxidative stress* [original title "*Dieta mediterranea e stress ossidativo*"]. Proceedings Conference "The Mediterranean Diet". April 7–9, 2000. Salerno, Italy. **2000**. Pp. 4–5.
- Bamonti F, Novembrino C, Cighetti G, Ippolito S, Lonati S, Maiolo AT. "*Juice-Plus*" clinical trial 2001 [original title "*Trial clinico Juice-Plus 2001*"]. **2001**. *CLINICAL REPORT*.
- Bamonti-Catena F, Cighetti G, Novembrino C, Soresi E, Ippolito S, Lonati S, Maiolo AT. *Oxidative stress in smokers and non-smokers: effects of supplementation*. Proceedings III International congress of the Ageing Society. Rome, Italy. **2001**. P. 93.
- Cornelli U, Terranova R, Luca S, Cornelli M, Alberti A. *Bioavailability of some food supplementations in men and women using the d-ROMs test as a marker of oxidative stress*. J Nutr. **2001**. 131: 3208–3211.
- Bonina F, Puglia C, Saija A, Trombetta D, Vanella A, Russo A, Rapisarsa P, Cornelli U, Trincali G, Insirello E, Ferro M. *Health properties of Sicilia's red oranges: an elisir of Etna volcano* [original title "*Proprietà salutistiche delle arance rosse di Sicilia: un elisir dell'Etna*"]. L'integratore nutrizionale. **2002**. 4: 7–15.
- Cornelli U, Terranova R, Luca S, Cornelli M, Alberti A. *Bioavailability of some food supplementations in men and women using the d-ROMs test as a marker of oxidative stress* [original title "*Biodisponibilità ed attività antiossidante di alcuni supplementi nutrizionali. Test d-ROMs: marker dello stress ossidativo*"]. La Medicina Biologica. **2002**. 2: 35–40.
- Ippolito S, Caruso R, Novembrino C, Bamonti-Catena, Della Noce C, Lorenzano E, Camolo J, Tonini A, Lonati S, Rosina M, Accinni R. *Dislipidemia and oxidative stress*. Ital J Biochem. **2002**. 51 (3–4): 129.
- Mosca L, Marcellini S, Pierluigi M, Mastroiacovo P, Moretti S, Famularo G, Peluso I, Santini G, De Simone C. *Modulation of apoptosis and improved redox metabolism with the use of a new antioxidant formula*. Biochemical Pharmacology. **2002**. 63: 1305–1314.
- Sakagami H, Asano K, Satoh K, Takahashi K, Terakubo S, Shoji Y, Nakashima H, Nakamura W. *Anti-stress activity of mulberry juice in mice*. In Vivo. **2006**. 20 (4): 499–504.
- Scartezzini P et Al. *A natural remedy against free radicals. Amrit Kalash Maharishi* [original title "*Un rimedio naturale contro i radicali liberi. Amrit Kalash Maharishi*"]. Maharishi Vedic University. Terni, Italy. **2002**.
- De Prisco R, Veneziano A, Sarno C, Zambardino U, Attianese P. *Tomato San Marzano juice intake lowers the oxidative stress level in humans: a preliminary report*. ISHS Acta Horticulturae. **2003**. P. 613.
- Carratelli M, Iorio EL. *Potential usefulness of oxidative stress in nutrition and food supplementation*. Proceedings IV Greek Congress on Free Radicals and Oxidative Stress. October, 7–10, 2004. Larissa, Greece. **2004**. P. 15.
- Coyle M. Efficacy assessment of CELLFOOD® by means of d-ROMs test. NuLife Sciences Company. Massachusetts. USA. **2004**. *MEETING COMMUNICATION*.
- Iorio EL. *Oxidative stress and nutrition*. Proceedings VI Macedonian Nutrition Congress. November 19–21, 2004. Thessaloniki, Greece. **2004**. Pp. 143–144.
- Secreto G, Colombo C, Venturelli E, Cavalleri A. *Oxidative stress in female patients included in the DIANA (Diet and Androgens) study: dietary education and planning* [original title "*Valutazione dello stress ossidativo nelle partecipanti allo studio DIANA (Diet and Androgens): progetto di educazione alimentare e di intervento sulla dieta*"]. La Medicina Biologica. **2004**. 3: 31–33.
- Trotti R, Carratelli M, Bo P, Barbieri M, Mangiagalli A, Samuele A, Gabanti E, Blandini F. *Pro-oxidant activity and methionine metabolism in chronic alcohol abusers: relationship to alcohol withdrawal and folate administration*. Panminerva Med. **2004**. 46 (3): 161–164.

- Ventura P, Bini A, Panini R, Marri L, Tomasi A, Salvioi G. *Red wine consumption prevents vascular oxidative stress induced by a high-fat meal in healthy volunteers*. *Int J Vitam Nutr Res*. **2004**. 74 (2): 137–143.
- Erba D, Riso P, Bordoni A, Foti F, Biagi PL, Testolin G. *Effectiveness of moderate green tea consumption on antioxidative status and plasma lipid profile in Humans*. *J Nut Biochem*. **2005**. 16 (3): 144–149.
- Iorio EL. *Oxidative stress and nutrition* [original title "Stress ossidativo ed alimentazione"]. In "Comunicazione ed educazione alimentare". III Ed. Centrale del Latte Salerno (Salerno, Italy). **2005**. 13–16.
- Colombo C, Muti P, Pala V, Cavalleri A, Venturelli E, Locardi M, Berrino F, Secreto G. *Plant-based diet, serum fatty acid profile, and free radicals in post-menopausal women: the diet and androgens (DIANA) randomized trial*. *Int J Biol Markers*. **2005**. 20 (3): 169 – 176.
- Tsuchiya M, Tosaka M. *There is a gender difference in the relationship between metabolic syndrome and oxidative stress among Japanese*. *Clinical Report*. **2005**. Masako Medical Clinic, Tokuyama, Japan.
- Virgolici B, Mohora M, Stoian I, Lixandru D, Gaman L, Paveliu F. *A comparative oxidative stress study-obesity with and without diabetes mellitus*. *Rom J Intern Med*. **2005**. 43 (3–4): 261–268.
- Accinni R, Rosina M, Bamonti F, Della Noce C, Tonini A, Bernacchi F, Campolo J, Caruso R, Novembrino C, Ghersi L, Lonati S, Grossi S, Ippolito S, Lorenzano E, Ciani A, Gorini M. *Effects of combined dietary supplementation on oxidative and inflammatory status in dyslipidemic subjects*. *Nutrition, Metabolism & Cardiovascular Diseases*. **2006**. 16: 121–127.
- Colombo C, Muti P, Pala V, Cavalleri A, Venturelli E, Locardi M, Berrino F, Secreto G. *Plant-based diet, serum fatty acid profile, and free radicals in post-menopausal women: the diet and androgens (DIANA) randomized trial*. *Int J Biol Markers*. **2006**. 61–63. *REPLY OF AUTHORS*.
- Iorio EL, Bianchi L, Storti A. *Deutrosulfazyme®: a powerful antioxidant* [original title "Deutrosulfazyme®: un potente antiossidante"]. *La Medicina Estetica*. **2006**. 30 (1): 115 – 116.
- Iorio EL. *Hypoxia, free radicals and antioxidants. The "Deutrosulfazyme®" paradox*. *Hypoxia Medical J*. **2006**. 1-2: 32.
- Komatsu F, Kagawa Y, Sakuma M, Kawabata T, Kaneko Y, Otgontuya D, Chimedregzen U, Naran-tuya L, Purvee B. *Investigation of oxidative stress and dietary habits in Mongolian people, compared to Japanese people*. *Nutrition & Metabolism*. **2006**. 3: 21–39.
- Bordoni A, Danesi F, Malaguti M, Di Nunzio M, Pasqui F, Maranesi M, Biagi PL. *Dietary Selenium for the counteraction of oxidative damage: fortified foods or supplements?* *British Journal of Nutrition*. **2007**. Doi: 10.1017/S0007114507793911.
- Davis L, Stonehouse W, Loots DT, Mukuddem-Petersen J, van der Westhuizen FH, Hanekom SM, Jerling JC. *The effects of high walnut and cashew nut diets on the antioxidant status of subjects with metabolic syndrome*. *Eur J Nutr*. **2007**. 46: 155–164.
- Iorio EL. *Oxidative balance and nutritional supplementation in chronic and degenerative disorders* [original title: "Bilancio ossidativo ed integrazione nutrizionale nelle patologie cronico-degenerative"]. *Proceedings 3° Congresso Internazionale Nutrizione e malattie cronico-degenerative*. 2007, June 2nd and 3rd, Ponzano Veneto (TV), Italy. **2007**. 34–39.
- Iorio EL, D'Amicantonio T, Nardi GM. *Nutrition and oxidative stress. From biochemistry to the clinical practice* [original title: "Alimentazione e stress ossidativo. Dalla biochimica alla pratica clinica"]. *ADI MAGAZINE*. **2007**. 92–97.
- Karlsen A, Retterstøl L, Laak P, Kjølrsrud-Bøhna S, Sandvikd L, Blomhoffa R. *Effects of a daily intake of one glass of red wine on biomarkers of antioxidant status, oxidative stress and inflammation in healthy adults*. *European e-Journal of Clinical Nutrition and Metabolism*. **2007**. 2: e127–e133.
- Mancinelli R, Giordano R, Ciprotti M, Costantini S, Senofonte O, D'Ilio S, Vargas M, Attilia ML, Ceccanti M. *Oxidative stress and protective factors (vit B₁, Zn, Se) in male and female alcoholics*. *Alcohol and Alcoholism*. **2007**. 42(Supplement 1): i57–i60.
- Mancinelli R, Giordano R, Ciprotti M, Costantini S, Senofonte O, D'Ilio S, Vargas M, Attilia ML, Ceccanti M. *Oxidative stress and protective factors (Vit B₁, Zn, Se) in male and female alcoholics*. *Proceedings of 11th Congress of the European Society for Biomedical Research on Alcoholism (ESBRA)*. 2007, September 23–26. Berlin, Germany. **2007**. i60.
- Novembrino C, Lonati S, Pedrazzini E, Vigna L, Bordini L, Leoni E. *Oxidative status and homocysteine metabolism in obese subjects*. *Clin Chem Lab Med*. **2007**. 45 (Special Supplement): S152.

Nozawa Y, Ishizaki T, Kuroda M, Noguchi T. *Consumption of dried-bonito broth acutely increases peripheral blood flow in humans*. Journal of Health Science. **2007**. 53 (3): 339–343.

Nozawa Y, Ishizaki T, Kuroda M, Takahashi K, Ebihara S, Itoh T. *Ingestion of dried-bonito broth ameliorates blood fluidity in humans*. Journal of Health Science. **2007**. 53 (5): 543–551.

Nagata K, Hasegawa T, Hirokado Y, Kiyama K, Otsuki C. *Lifestyle-related diseases and the oxidative stress regulation system*. Jpn J Psychosom Med. **2008**. 48: 177–183.

Park SJ, Kim ES, Choi YS, Kim J-D. *Effects of Sophorae fructus on antioxidative activities and lipid levels in rats*. J Korean Soc Food Sci Nutr. **2008**. 37(9): 1120–1125.

Sukkar SG, Cella F, Rovera GM, Nichelatti M, Ragni G, Chiavenna G, Giannoni A, Ronzani G, Ferrari C. *A multicentric prospective open trial on the quality of life and oxidative stress in patients affected by advanced head and neck cancer treated with a new benzoquinone-rich product derived from fermented wheat germ (Avenmar)*. Mediterr J Nutr Metab. **2008**. 1: 37–42.

Various authors. *Detoxamin. Aktivált zeolit*. **2008**. Cesarone MR, Grossi MG, Di Renzo A, Errichi S, Schönlauf F, Wilmer JL, Lange M, Blumenfeld J. *Accelerated antioxidant bioavailability of OPC-3TM bioflavonoids administered as isotonic solution*. Phytother Res. **2009**. DOI: 10.1002/ptr.2651 PP 1-3.

Gim GT, Kim HM, Kim J, Kim J, Whang WW, Cho SH. *Antioxidant effect of tianwang buxin pills a traditional chinese medicine formula: double-blind, randomized controlled trial*. Am J Chin Med. **2009**. 37(2): 227–239.

Iwabayashi M, Fujioka N, Nomot K, Miyazaki R, Takahashi H, Hibino S, Takahashi Y, Nishikawa K, Nishida M, Yonei Y. *Efficacy and safety of eight-week treatment with astaxanthin in individuals screened for increased oxidative stress burden*. Anti-Aging Medicine. **2009**. 6(4): 15–21.

Kato S, Hussein MH, Kakita H, Goto T, Daoud GA, Kato T, Sugiura T, Nobata M, Nakajima Y, Endo T, Mizuno K, Ito T, Kato I, Suzuki S, Togari H. *Edaravone, a novel free radical scavenger, reduces HMGB-1 and prolongs survival in a neonatal sepsis model*. Shock. **2009**. Mar 13. Epub ahead of print.

Yamamoto T, Tomofuji T, Tamaki N, Ekuni D, Azuma T, Sanbe T. *Effect of topical application of lipopolysaccharide on hepatic injury induced by high-cholesterol diet in rats*. Journal of periodontal

research. **2009**. doi:10.1111/j.1600-0765.2009.01212.x.

Cornelli U, Berra B, Frega N.G. *I modulatori fisiologici*. **2010**. Progress in nutrition. Vol. 12 (2): 99–105. 2010.

Fukui T, Yamauchi K, Maruyama M, Yasuda T, Kohno M, Abe Y. *Significance of measuring oxidative stress in lifestyle-related disease from the viewpoint of correlation between d-ROMs and BAP in Japanese subjects*. **2011** Hypertens Res. Sept;34(9):1041-5. doi:10.1038/hr.2011.76.

Mello W.G, Biffe B.G., Morais S.R.L, Silva T.M., Rodriguez W, Castro J.C.B, Louzada M.J.Q, Chaves Neto A.H, Nakamune A.C.M.S. *Efeito do chá mate na capacidade antioxidante total e espécies reativas de oxigênio após exercício intenso*. **2011**. Ciencias Fisiológicas. Programa multicentrico de pos-graduacao em Ciencias Fisilógicas.

Ronzani G, Giaretta R, Morello M. *Evaluation of oxidative stress and antioxidative action of green tea catechins in patients treated with tamoxifen: a randomized open-label, crossover study*. Mediterranean Journal of Nutrition and metabolism. **2011**. Vol.4 N°2 Aug.2011 127-132(6).

Oxidative stress, trauma and surgery

Nishiyama T, Hamano Y, Matsumoto S, Watanabe S, Isshiki J. *Perioperative changes of free radicals utilizing a new hydroperoxide analytical system*. Proceedings 19th Society for Researches on Body Fluid and Metabolism. January 24th, 2004. Tokyo Medical University Hospital. **2004**.

Obayan AOE. *Oxidative stress: natural history and modulation in surgery and trauma patients*. Thesis Submitted to the College of Graduate Studies and Research in Partial Fulfilment of the Requirements for the Degree of Doctor of Philosophy in the Department of Surgery University of Saskatchewan. Saskatoon. **2004**.

Satoh T, Yamakage M, Satoh J, Namiki A. *Effect of aging on preoperative oxidative stress*. Masui. **2007**. 56 (12): 1422–1424.

Yamakage M, Satoh T, Satoh JI, Namiki A. *Anesthesiology, Sapporo Medical Univ. Sch. of Med., Sapporo, Hokkaido, Japan. Effects of Aging and Gender on the Preoperative Oxidative Stress*. Anesthesiology. **2007**. 107: A1836.

Tsuchiya M, Sato EF, Inoue M, Asada A. *Open abdominal surgery increases intraoperative oxidative stress: can it be prevented?* Anesthesia & Analgesia. **2008**. 107(6): 1946–1952.

Respiratory diseases

Özbay B, Dülger H, Gencer M, Uzun K, Tarakçioğlu M. *Diagnostic value of Reactive Oxygen Metabolites (ROM) in malignant and nonmalignant pleural effusions* [original title "Malign ve Nonmalign Plevra Sıvılarında Serbest Oksijen Radikallerinin Tanısal Değer"]. *Van Tıp Dergisi*. **2000**. 7 (3): 102-105.

Rizzato G. *Death due to air pollution: role of oxidative stress and protection of an antioxidant aerosol* [original title "Mortalità da inquinamento atmosferico: ruolo dello stress ossidativo e potere tampone di un aerosol antiossidante"]. *Giornale Italiano delle Malattie Toraciche*. **2000**. 54 (3): 204-212.

Allegra L, Blasi F, Capone P, Centenni S, Gogo R, Damato S, Patrigni G, Piatti G, Rampolli C, Rizzato G. *Optimisation of N-Acetylcysteine dosage to its mucolytic and antioxidant activities* [original title "Ottimizzazione dei dosaggi della NAC per l'espressione delle sue proprietà mucoattive ed antiossidanti"]. *Giornale Italiano delle Malattie Toraciche*. **2001**. 55 (6): 476-484.

Anzalone GE, Danesi P, Goti P, Melocchi F. *Effect of aerosolised N-Acetylcysteine (NAC) on reactive oxygen metabolites (ROM) in plasma of COPD patients*. *Le malattie dell'apparato respiratorio*. **2001**. 4: 41-45.

Verduri A, Del Donno M, Chetta A, Olivieri D. *Free radical of oxygen measurement on capillary blood in healthy smokers, COPD patients and control subjects* [original title "Misurazione dei radicali liberi dell'ossigeno su sangue capillare in fumatori sani, pazienti BPCO e soggetti di controllo"]. *Proceedings Congress "Capitolo Italiano Chest"*. June 20-22, 2002. Naples, Italy. **2002**.

Ceylan E, Dülger H, Uzun K. *Tüberküloz Plöreziplerde Plevra SIVİsi Reaktif Oksijen Metabolitlerinin Tanısal Değeri*. *Toraks Derisi*. **2003**. 4 (1): 33-37.

Christou K, Markoulis N, Moulas AN, Pastaka C, Gourgoulisanis KI. *Reactive Oxygen Metabolites (ROMs) as an Index of Oxidative Stress in Obstructive Sleep Apnea Patients*. *Sleep Breath*. **2003**. 7 (3): 105-110.

Christou K, Moulas AN, Pastaka C, Gourgoulisanis KI. *Antioxidant capacity in obstructive sleep apnea patients*. *Sleep Medicine*. **2003**. 4: 225-228.

Dani C, Costantino ML, Martelli E, Corno C, Fiore GB, Buonocore G, Longini M, Di Filippo A, Tozzini S, Rubaltelli FF. *Perfluorocarbons attenuate oxidative lung damage*. *Pediatr Pulmonol*. **2003**. 36 (4): 322-329.

Cogo R, Ramponi A, Motta T. *COPD, pulmonary and systemic disease: dose-dependent efficacy of N-acetylcysteine on the disease evolution. A controlled clinical trial on a female population* [original title "BPCO, patologia polmonare e sistemica: efficacia dose dipendente della n-acetilcisteina sull'evoluzione della malattia. Studio clinico controllato su una popolazione di sesso femminile"]. *Riv It Ost Gin*. **2004**. 2: 1-11.

Haffor A-S. *Obstructive sleep apnea in elevated cardiac output patients: hypercapnea-induced hypoapnea*. *J Med Sci*. **2004**. 4 (2): 170-175.

Ceylan E, Gulsun A, Gencer M, Aksoy N. *A new parameter in the detection of tuberculosis activity: reactive oxygen metabolites*. *Respiration*. **2005**. 72 (2): 156 - 159.

Daniil Z, Papageorgiou E, Koutsokera A, Papadopoulos D, Kiropoulos T, Kostikas K, Gourgoulisanis K. *Plasma level of total hydroperoxide (TH) as a marker of oxidative stress seems to be a useful index of disease severity in patients with idiopathic pulmonary fibrosis (IPF)*. *European Respiratory Journal (ERJ)*. **2005**. S49: 335S.

Papageorgiou E, Kostikas K, Kiropoulos, Karetsi E, Mpatavanis G, Gourgoulisanis KI. *Increased oxidative stress in exudative pleural effusions: a new marker for the differentiation between exudates and transudates?* *Chest*. **2005**. 128 (5): 3291-3297.

Gencer M, Ceylan E, Aksoy N, Uzun K. *Association of serum reactive oxygen metabolite levels with different histopathological types of lung cancer*. *Respiration*. **2006**. 73: 520-524.

Markoulis N, Gourgoulisanis KI, Moulas A, Gerogianni E, Molyvdas AP. *Reactive oxygen metabolites as an index of chronic obstructive pulmonary disease severity*. *Panminerva Med*. **2006**. 48(4): 209-213.

Suzuki YJ, Jain V, Park A-M, Day RM. *Oxidative stress and oxidant signalling in obstructive sleep apnea and associated cardiovascular diseases*. *Free Radic Biol Med*. **2006**. 40 (10): 1683-1692.

Christou K, Kostikas K, Pastaka C, Tanou K, Antoniadou I, Gourgoulisanis KI. *Nasal continuous positive airway pressure treatment reduces systemic oxidative stress in patients with severe obstructive sleep apnoea syndrome*. *Sleep Med*. **2007**. [December; Epub ahead of print; PMID: 18077211].

Foschino Barbaro MP, Carpagnano GE, Spanevello A, Cagnazzo MG, Barnes PJ. *Inflammation, oxidative stress and systemic effects in mild chronic obstructive pulmonary disease*. *Int J Immunopathol Pharmacol*. **2007**. 20 (4): 753-763.

Katsabeki-Katsafli A, Kerenidi T, Kostikas K, Daveleris E, Kiropoulos TS, Gogou E, Papaioannou AI, Gourgoulisanis KI. *Serum vascular endothelial growth factor is related to systemic oxidative stress in patients with lung cancer.* Lung Cancer. **2008**. Doi:10.1016/j.lungcan.2007.10.006.

Komatsu F, Kudoh H, Kagawa Y. *Evaluation of oxidative stress and effectiveness of low-dose glucocorticoid therapy on exacerbation of chronic obstructive pulmonary disease.* Journal of Gerontology. **2007**. 62A (4): 459–464.

Koutsokera A, Daniil Z, Papaioannou AI, Kiropoulos T, Katsabeki A, Kerenidi T, Gourgoulisanis KI. *Oxidative stress in patients with pulmonary sarcoidosis: the role of systemic corticosteroids.* Proceedings Annual Congress of European Respiratory Society. Stockholm, Sweden. 2007, September 15-19. **2007**. P773.

Melillo G, Iorio EL, Giuliano F, Balzano, Melillo EM. *Oxidative stress in patients with chronic obstructive pulmonary disease: validation of a new photometric test (exhalation test) for the measurement of hydrogen peroxide in exhaled breath condensate.* Rassegna di Patologia dell'Apparato Respiratorio. **2007**. 22: 98-104.

Bin-Jaliah I. *Comparison of glutathione peroxidase activity and free radicals production in the lungs and the brain of rats during graded hyperoxia.* J Med Sci. **2008**. 8(1): 54–61.

Daniil ZD, Papageorgiou E, Koutsokera A, Kostikas K, Kiropoulos T, Papaioannou AI, Gourgoulisanis KI. *Serum levels of oxidative stress as a marker of disease severity in idiopathic pulmonary fibrosis.* Pulm Pharmacol Ther. **2008**. 21(1): 26–31.

Suzuki S, Matsukura S, Takeuchi H, Kawaguchi M, Ieki K, Odaka M, Watanabe S, Homma T, Dohi K, Aruga T, Sato M, Kurokawa M, Kokubu F, Adachi M. *Increase in reactive oxygen metabolite level in acute exacerbations of asthma.* Int Arch Allergy Immunol. **2008**. 146 (Suppl 1): 67–72.

Bracciale PB, Bellanova S, Castagnaro A, Scoditti C, Valerio G. *Alveolar macrophage activity and its correlation with burden of reactive oxygen species in bronchoalveolar fluid and in the serum of patients affected by chronic obstructive pulmonary disease III-IV GOLD stage.* Chest. **2009**. IN PRESS.

Chen Y, Hanaoka M, Chen P, Droma P, Voelkel NF, Kubo K. *Protective effect of beraprost sodium, a stable prostacyclin analogue, in the development of cigarette smoke extract-induced emphysema.* Am J

Physiol Lung Cell Mol Physiol. **2009**. doi:10.1152/ajplung.90270.2008.

Koutsokera A, Papaioannou A.I, Malli F, Kiropoulos T.S, Katsabeki A, Kerenidi T, Gourgoulisanis K.I, Daniil Z.D. *Systemic oxidative stress in patients with pulmonary sarcoidosis.* Pulmonary Pharmacology & Therapeutics. **2009** 22,6(2009)603. doi:10.1016/j.jpupt.2009.09.002.

Rheumatology

Atabek ME, Oran B, Gültekin F, Karaaslan S. *Acute rheumatic fever (ARA). The role of free oxygen radicals in the etiopathogenesis* [original title "Akut romatizmal ateş (ARA) etyopatogenezinde serbest oksijen radikallerinin rolü"]. Selçuk Üniv. Tıp Fak. Derg. **2000**. 16(3): 175–181.

Giordano N, Battisti E, Geraci S, Santacroce C, Lucani B, Fortunato M, Mattii G, Gennari C. *Analgesic-antiinflammatory effect of a 100 Hz variable magnetic field in RA.* Clin Exp Rheumatol. **2000**. 18 (2): 19–20.

Oran B, Atabek E, Karaaslan S, Reisli Y, Gültekin F, Erkul Y. *Oxygen free radicals in children with acute rheumatic fever.* Cardiology in the Young. **2001**. 11 (3): 285–288.

Sukkar SG, Rossi E. *Oxidative stress and nutritional prevention in autoimmune rheumatic diseases.* Autoimmunity Reviews. **2004**. 3 (3): 199–206.

Nonaka T, Fukuda K, Hamanishi C. *Can human plasma redox state be used to monitor the progression of rheumatoid arthritis?* Antioxidants & Redox Signaling. **2005**. 7 (9–10): 1405–1408.

Nagata K, Hasegawa T, Kiyama K, Aoyama Y, Okano K, Hirokado Y. *A therapy for fibromyalgia syndrome using Yi-Gan San.* Journal of Japanese Association of Oriental Psychosomatic Medicine. **2006**. 21 (1-2): 46–47.

Nagata K, Kasuya N, Hayashi H. *Oxidative stress and anti-oxidant potential of the students complaining chronic fatigue.* Campus Health. **2006**. 43 (2): 83-88.

Maeda YU, Oh K, Asano K, Hisamitsu T. *Suppressive activity of risedronate on the oxidative stress responses observed in rats with adjuvant arthritis.* Japanese Pharmacology and Therapeutics. **2008**. 36-37: 605–611.

Ohtaki H, Yofu S, Nakamachi T, Satoh K, Shimizu A, mori H, Sato A, Iwakura Y, Matsunaga M, Shioda S. *Nucleoprotein diet ameliorates arthritis symptoms in mice transgenic for human T-cell leukemia*

virus type I (HTLV-1). **2010**. Journal Clinical Biochemistry. Vol. 46, 93-104.

Sport Medicine

Dolci A, Nanni G, Roi GS, Palli R, Banfi G. *Oxygen free radicals and total antioxidant status in a professional players team during a football season*. **1998**. CLINICAL REPORT.

Nanni G, Dolci A, Roi GS, Palli R, Bangi G. *On the usefulness of biochemical monitoring of oxidative stress and antioxidant activity during a football season* [original title "Utilità del monitoraggio biochimico dello stress ossidativo e dell'attività antiossidante durante la stagione calcistica"]. Proceedings 18th National Congress L.A.M.I.C.A. June 18–20, 1998. Campione d'Italia, Italy. **1998**. P. 66.

Beltrami G, Fanton F, Schiavottiello G. *Determination of free radicals in different sporting activities and their application* [original title "Determinazione dei radicali liberi in differenti attività sportiva e sue applicazioni"]. Report of Italian Baseball And Softball Medical Federal Commission. Scientific Institute for Sport Italian National Olympic Committee (CONI), Rome, Italy. **1999**. CLINICAL REPORT.

Dolci A, Muller MM. *Oxidative stress induced by physical exercise: the biochemical monitoring*. Proceedings Meeting "Medical Laboratory of Physical Exercise and Sports". December 6–7, 2001. Padua, Italy. **2001**. P. 18.

Iorio EL, Carratelli M, Quagliuolo L, Caletti G. *Oxidative stress evaluation in athletes* Proceedings 2nd International Conference on Oxidative Stress and Aging. April 2–5, 2001. Maui, Hawaii (USA). **2001**. P. 60.

Razzano M, Brambilla P, Picozzi I, Gironi A, Giani E. *Assessment of some metabolic and oxidative parameters in athletes during an agonistical season* [original title "Valutazione di alcuni parametri metabolici ed ossidativi in atleti nel corso di una stagione agonistica"]. Biochimica Clinica. **2001**. 25 (2): 139.

Iorio EL. *d-ROMs test in sport*. Cosmetic News. **2004**. 157: 272–275.

Margaritis I, O'Donovan I. *Oxidative status and the paradox of sport shortening and prolonging life*. Proceedings International Conference on Ageing. Paris. 2004. March, 19. **2004**. P. 39.

Iorio EL. *Oxidative stress, sport trauma and rehabilitation. New proposals for an integrated approach*. Proceedings XIV International Congress on Sports Rehabilitation and Traumatology "The accelerated rehabilitation of the injured athlete". April 9-10th, **2005**. PP 127. Bologna, Italy.

Banfi G, Malavazos A, Iorio EL, Dolci A, Doneda L, Verna R, Corsi MM. *Plasma oxidative stress biomarkers, nitric oxide and heat shock protein 70 in trained elite soccer players*. Eur J Appl Physiol. **2006**. 96 (5): 483 – 486.

Cases N, Sureda A, Maestre I, Tauler P, Aguilo A, Cordova A, Roche E, Tur JA, Pons A. *Response of antioxidant defences to oxidative stress induced by prolonged exercise: antioxidant enzyme gene expression in lymphocytes*. Eur J Appl Physiol. **2006**. 98: 263–269.

Yamami N, Nakayama H, Kongoji J, Togawa S, Nozawa T, Yagishita K, Shibayama M, Nakayama T, Suzuki N, Yamamoto K, Kawashima M, Mano Y. *Free radicals and antioxidant potential in scuba divers*. Proceedings Undersea and Hyperbaric Medical Society. Scientific Meeting & Associates/BNA. Annual Scientific Meeting. 22-24 June 2006. Orlando, Florida (USA). **2006**. P 98–99.

Cavallini M, Iorio EL. *Effect of training and antioxidant supplementation on oxidative balance in martial arts*. Journal of Molecular and Clinical Pathology. **2007**. 2: 14-15.

Giganti MG, Iorio EL, Verna R, Zenobi R. *Oxidative balance in scuba divers*. Journal of Molecular and Clinical Pathology. **2007**. 3: 101.

Iorio EL. *Oxidative stress and sport* [original title: "Stress ossidativo e sport"]. European Journal of Health, Sport and Nutrition. **2007**. 1: 102–103.

Kettawan A, Kunthida C, Okuno M, Takahashi T, Kongkachuichai R, Sungpuag P, Kishi T, Okamoto T. *Protective effects of Coenzyme Q₁₀ against oxidative stress induced by aerobic exercise*. Proceedings 5th Conference of the International Coenzyme Q₁₀ Association. 2007. November, 9–12. Kobe Gakuin University at Port Island. Kobe, Japan. **2007**. J12-044 (1–2).

Maruoka H, Komaki K, Inoue K. *Effects of muscle stress on oxidative stress*. J Phys Ther Sci. **2007**. 19: 273–276.

Yamami N, Yagishita K, Togawa S, Kongoji J, Nakayama H, Shibayama M, Suzuki N, Yamamoto K, Nozawa T, Kawashima M, Mano Y. *Changes of serum free radicals and antioxidant potential in rebreather divers*. Proceedings Undersea and Hyperbaric Medical Society. Annual Scientific Meeting. 14-16 June 2007. Ritz-Carlton Kapalua, Maui, Hawaii (USA). **2007**. P 137.

Zenobi R, Verna R, Giganti MG. *IL-6, TNF- α and reactive oxygen metabolites in amateur athletes*.

Journal of Molecular and Clinical Pathology. **2007**. 3: 103.

Zenobi R, Verna R, Giganti MG. *Inflammatory cytokines and oxidative stress: parameters to evaluate the physical status during sport activity*. Biochimica Clinica. **2007**. 31 (5): 484.

Bertone M, Rizzo M, Assorgi R, Muscatello A, Crisostomi S, De Blasis E, Di Giacinto B, Spataro A, Iorio EL. *Plasma oxidant and antioxidant capacity at rest, after exercise-induced dehydration, and after rehydration with an antioxidant drink in elite rowers*. Med Sport. **2008**. 61: 487–495.

De Martino D. Nutrition and feeding in exercise. Real need and abuse. [Original title "Nutrizione e alimentazione nella pratica sportiva"]. Fabbisogni reali ed abusi. Salutare. **2008**. 24. *Popular article*.

Francavilla G, Parisi G, Quattrocchi A, Francavilla V.C, Rosa M, Cicero A, Ingallina F, Caruso A, Pucione G, Mastromauro R, Fatuzzo G, Rosa A. *Riduzione dello stress ossidativo e dei radicali liberi, verificata con metodica FRAS mediante l'uso della pedana Vibropower*. Acta Medica Mediterranea, **2008**, 24-93

Fujimoto H, Katayama K, Hayashi T, Kimura K, Yano T. *Effect of electroacupuncture on exercise-induced oxidative stress*. Zen Nippon Shinkyu Gakkai Zasshi (Journal of the Japan Society of Acupuncture and Moxibustion: JJSAM). **2008**. 58(2): 203–212.

Andersson H, Karlsen A, Blomhoff R, Raastad T, Kadi F. *Plasma antioxidant responses and oxidative stress following a soccer game in elite female players*. Scandinavian journal of medicine & science in sports. **2009**. DOI: 10.1111/j.6000-0838.2009.00987.x.

Hattori N, Hayashi T, Nakachi K, Ichikawa H, Goto C, Tokudome Y, Kuriki K, Hoshino H, Shibata K, Yamada N, Tokudome M, Suzuki S, Nagaya T, Kobayashi M, Tokudome S. *Changes of ROS during a two-day ultra-marathon race*. Int J Sports Med. **2009**. 30: 426–429.

Martarelli D, Pompei P. *Oxidative stress and antioxidant changes during a 24-hours mountain bike endurance exercise in master athletes*. J Sports Med Phys Fitness. **2009**. 49(1): 122–127.

Pešić S, Jakovljević V, Čubrilo D, Živković V, Jorga V, Mujović V, Stojimirović B. *Oxidative status evaluation in elite karate athletes during training process* [original title "Evaluacija oksidativnog statusa kod vrhunskih sportista-karatista u procesu treninga"]. Vojnosanitetski Pregled. **2009**. 66(7): 551–555.

Spataro A, Crisostomi S, Cifra B, Di Cesare A, Di Giacinto B, De Blasis E, Poli P, Pucci N, Rizzo M. *The rowing ten years later* [original title "Il canottaggio dieci anni dopo"]. Medicina dello Sport. **2009**. 62(2): 209–240.

Andersson H. *The physiological impact of soccer on the elite female players and the effects of active recovery training*. **2010**. Orebro Universitet. ISBN 978-91-7668-735-2.

Martinovic J, Dopsaj V, Kotur-Stevuljevic J, Dopsaj M, Stefanovic A, Kasum G Vujovic A. *Are oxidative stress and antioxidant defense status associated with energy expenditure in athletes of various sports?* Serbian Journal of Sport Sciences **2010**. Vol.4 (2):75-81 UDC 616.088.9:577.344:546.21 ISSN 1820-6301 ID 175916044.

Angelini F, Buonocore D, Rucci D, Stesina G, Stefanini L, Bonuccelli A, Tencone F, Marzatico F. *Oxidative stress vs hormonal profile in plasma and saliva: application in sport performance*. Journal of the International Society of Sport and Nutrition **2011**, 8(suppl 1):P34. doi: 10.1186/1550-2783-8S1P34.

Martarelli D, Cacchioni M, Scuri S, Pompei P. *Diaphragmatic breathing reduces exercise-induced oxidative stress*. eCAM. **2011**. DOI: 10.1093/ecam/nep169.

Martinovic J, Dopsaj V, Kotur-Stevuljevic J, Dopsaj M, Vujovic A, Stefanovic A, Nesic G. *Oxidative stress biomarkers monitoring in elite women volleyball athletes during a 6-week training period*. J Strength Cond Res. **2011** may;25(5):1360-7 doi:10.1519/JCS.0b013e3181d85a7f.

Thermal medicine

Nappi G, De Luca S, Di Biase P. *Antioxidant action of "S. Pellegrino" mineral water* [original title "Effetto antiossidante dell'acqua minerale 'San Pellegrino'"]. Medicina Clinica e Termale. **2003**. 53–54.

Nappi G, De Luca S, Baronio L. *Free radical variation with mud-bath therapy by "S. Pellegrino" Thermae (Italy)* [original title "Variazione dei radicali liberi in fangobalneoterapia presso le terme di San Pellegrino"]. Medicina Clinica e Termale. **2005**. 56: 7–18.

Iorio EL. *Thermal medicine and oxidative stress*. Rev Latinoamer Quim. **2005**. 33 (suplemento especial): 63.

Costantino M, Nappi G, Contaldi E, Lampa E. *Efficiacia della fango balneoterapia sulfurea nella psoriasi: studio clinico-sperimentale*. Medicina Clinica Termale **2005**;28:127-1

Benedetti S, Pagliarani S, Benvenuti F, Marini D, Galli T, Oliva F, Lazzari P, Canestrari F. *Antioxidative effects of sulphurous water from Macerata Feltria thermal resort in patients with osteoarthritis*. Progress in nutrition. **2007**. 9 (1): 1–7.

Costantino M, Contaldi E, Di Capua M, Lampa E. *Antioxidant capacity of hydropinotherapy with sulphuric mineral water* [original title "Capacità antiossidante dell'idropinoterapia con acqua minerale sulfurea"]. REPORT Centro Ricerche e Studi Termali (Ce.Ri.S.T.). **2007**.

Costantino M, Giacomelli A, Nappi G. *Cave thermal therapy, antioxidant effect and osteoarthritis* [original title "Antroterapia naturale caldo-umida, stress ossidativo ed osteoartrosi"]. REPORT Centro Ricerche e Studi Termali (Ce.Ri.S.T.). **2007**.

Costantino M, Norel X, Brink C, Nappi G, Lampa E, Rossi F, Filippelli A. *Sulphur mud-bath therapy in treatment of osteoarthritis: possible antioxidant role*. Proceedings MEETING GREMI 2007. OXIDATIVE STRESS & INFLAMMATION. 2007, January 26. Pasteur Institute. Paris, France. **2007**. Pp. 14. A8.

De Bernardi Di Valserra M, Iorio EL, Tripodi S, Pedroni F, Dogliotti G, Galliera E, Corsi MM. *Peripheral arterial occlusive disease and CO₂ balneotherapy: effect on free radicals release (ROMs) and total antioxidant status (TAS)*. Journal of Molecular and Clinical Pathology. **2007**. 4: 27–31.

Costantino M, Filippelli A. *Efficacy of thermal therapy in osteoarthritis* [original title "Efficacia della terapia termale nell'osteoartrosi."]. Eur Med Phys. **2008**. 44(Suppl. 1 to No. 3): 1–3.

Costantino M, Giuberti G, Caraglia M, Lombardi A, Misso G, Abbruzzese A, Ciani F, Lampa E. *Possible antioxidant role of SPA therapy with chlorinesulphur-bicarbonate mineral water*. Amino Acids. **2009**. 36(2): 161–165.

Nappi G, De Luca P, Magrassi et al. *Effects of oral administration of the "LETE" mineral water on reactive oxygen metabolites (ROM) and biological antioxidant potential (BAP)*. Progress in Nutrition **2001** vol 13, N°2(2011).

Veterinary Medicine

Calamari L, Abeni F, Bertin G. *Metabolic and hematological profiles in mature horses supplemented with different selenium sources and doses*. **2009**. Journal of animal science. 2010.88:650-659 DOI: 10.2527/jas.2009-1855.

Formigoni A, Calderone D, Pezzi P, Panciroli A. *Changes in "oxidative status" during the dry period and the first month of lactation in dairy cows* [original title "Evoluzione dello "status ossidativo" nella bovina da latte: osservazioni preliminari"]. Proceedings 12th National Congress "Associazione Scientifica di Produzione Animale". June 23-26, 1997. University of Pisa, Department of Animal Productions. Pisa, Italy. **1997**. Pp. 203–204.

Brambilla G, Fiori M, Archetti LI. *Evaluation of the oxidative stress in growing pigs by microplate assays*. J Vet Med A. **2001**. 48: 33–38.

Oriani G, Corino C, Pastorelli G, Pantaleo L, Ritieni A, Salvatori G. *Oxidative status of plasma and muscle in rabbits supplemented with dietary vitamin E*. Journal of Nutritional Biochemistry. **2001**. 12: 138–143.

Bernabucci U, Ronchi B, Lacetera N, Tardone A. *Markers of oxidative status in plasma and erythrocytes of transition dairy cows during hot season*. J Dairy Sci. **2002**. 85: 2173–2179.

Brambilla G, Civitareale C, Ballerini A, Fiori M, Amadori M, Archetti LI, Regini M, Betti M. *Response to oxidative stress as a welfare parameter in swine*. Redox Rep. **2002**. 7 (3): 159–163.

Castellini C, Dal Bosco A, Bernardini M. *Effect of dietary α -tocopheryl acetate and ascorbic acid: vitamin content and oxidation status of rabbit semen*. Reproduction and Reproductive Physiology. **2002**. 105–109.

Castellini C, Dal Bosco A, Mugnai C, Bernardini M. *Performance and behavior of chickens with different growing rate reared according to the organic system*. Ital Anim Sci. **2002**. 1: 291–300.

Castellini C, Mugnai C, Dal Bosco A. *Meat quality of three chicken genotypes reared according to the organic system*. Ital J Food Sci. **2002**. 4 (14): 401–412.

Celi P. *Biomarkers of oxidative stress in ruminant medicine*. Immunopharmacology and Immunotoxicology. **2010**. 1–8 DOI: 10.3109/08923973.2010.514917.

Dal Bosco A, Castellini C, Mugnai C. *Rearing rabbits on a wire net floor or straw litter: behavior, growth and meat qualitative traits*. Livestock Production Science. **2002**. 75: 149–156.

Rekitt M, Hiss S, Sauerwein H. *The effects of feeding antioxidative supplements on haptoglobin (Hp) and serum amyloid A (SAA) serum concentrations in horses*. Biofocus GmbH, Recklinghausen, Germany

and Institute of Physiology, Biochemistry and Hygiene of Domestic Animals, Bonn University, Germany. **2002**. *CLINICAL REPORT*.

Ballerini A, Civitareale C, Fiori M, Regini M, Betti M, Brambilla G. *Traceability of inbred and crossbred Cinta Senese Pigs by evaluating the oxidative stress*. Journal of Veterinary Medicine A. **2003**. 50 (3): 113.

Bernabucci U, Ronchi B, Lacetera N, Tardone A. *Influence of body condition score on relationships between metabolic status and oxidative stress in periparturient dairy cows*. J Dairy Sci. **2005**. 88 (6): 2017 – 2026.

Brambilla G, Ballerini A, Civitareale C, Fiori M, Neri B, Cavallina R, Nardoni A, Riannetti L. *Oxidative stress as a bio-marker of estrogen exposure in healthy veal calves*. Analytica Chimica Acta. **2003**. 483: 281–288.

Castellini C, Boiti C, Dal Bosco A, Lattaioli P, Zampini D. *Effect of the adding of n-3 fatty acids and vitamin E on the characteristics of the semen of rabbits having different ages* [original title "Effet de l'ajout d'acides gras n-3 et de vitamine E sur les caractéristiques de la semence de lapin d'ages différents"]. **2003**. *IN PRESS*.

Castellini C, Lattaioli P, Dal Bosco A, Minelli A, Mugnai C. *Oxidative status and semen characteristics of rabbit buck as affected by dietary vitamin E, C and n-3 fatty acids*. Reprod Nutr Dev. **2003**. 43 (1): 91–103.

Sciorsci RL, Lacalandra GM, D'Amico P, Minoia R, Rizzo A, Minoia P. *Free radicals evaluation in serum of cows with follicular cysts*. 2003. Proceedings IX World Conference on Animal Production (WCAP). October 26-31, 2003. Porto Alegre (RS), Brazil. **2003**. P. 226.

Sivaram AG, Suresh MV, Indira M. *Combined effect of ascorbic acid and selenium supplementation on alcohol-induced oxidative stress in guinea pigs*. Comparative Biochemistry and Physiology. **2003**. Part C. 134: 397–401.

Bergero D, Miraglia N, Schiavone A, Polidori M, Proia L. *Effect of dietary polyunsaturated fatty acids and vitamin E on serum oxidative status in horses performing very light exercise*. Ital J Anim Sci. **2004**. (3): 141–145.

Brambilla G, Cantafora A. *Metabolic and cardiovascular disorders in highly inbred lines for intensive pig farming: how animal welfare evaluation could improve the basic knowledge of human obesity*. Ann Ist Super Sanità. **2004**. 40 (2): 241–244.

Castellini C, Mugnai C, Dal Bosco A, Palozzo M, Scuota S. *Behavioural aspects, productive performances and egg quality in chickens reared according to the organic system* [original title "Aspetti comportamentali, prestazioni produttive e qualità dell'uovo in galline allevate con il metodo biologico"]. Avicoltura. **2004**. 3: 41–44.

Dal Bosco A, Castellini C, Bianchi L, Mugnai C. *Effect of dietary linolenic acid and vitamin E on the fatty acid composition, storage stability and sensory traits of rabbit meat*. Meat Science. **2004**. 66: 407–413.

Rizzo A, Minoia R, D'Amico P, Sciorsci RL. *Free radicals evaluation in serum and fluid of cows with follicular cysts*. Proceedings 15th International Congress On Animal Reproduction (ICAR). August 8–9, 2004. Porto Seguro, Bahia (Brazil). **2004**.

Vondrakova K, Schwendenwein I, van den Hoven, R, Hirt RA. *Evaluation of the automated d-ROMs test for detection of hydroperoxides in exhaled breath condensate of healthy cats*. Journal of Veterinary Internal Medicine. **2004**. 18(3): 439.

Brambilla G, De Filippis S. *Evaluation of oxidative stress in animals for human nourishment* [original title "Valutazione dello stress ossidativo negli animali da reddito"]. Rapporti ISTISAN. **2005**. 05/40: 100–106.

Calza F, Abeni F, Calamari L, Pirlo G. *Effects of automatic milking system on some plasma parameters related to oxidative status in primiparous dairy cows*. Ital J Anim Sci. **2005**. 4 (Suppl. 2): 209–211.

Cardini G, Pasquini A, Luchetti E, Marchetti V, Voltini B. *Free radicals oxygen (d-ROMs test) and Biological Antioxidant Potential (BAP test) assessment in serum: dog's reference ranges* [original title "La determinazione dei radicali liberi dell'ossigeno (d-ROMs test) e del potenziale antiossidante biologico (BAP test) nel siero: intervalli di riferimento nella specie canina"]. Proceedings LIX Convegno Nazionale – Società Italiana delle Scienze Veterinarie Viareggio (Italy). 2005, 21 – 24 September. **2005**. 331–332.

Dal Bosco A, Castellini C, Cardinali R. *Effect of dietary administration of rosemary extract on the oxidative stability of pigeon meat*. Ital J Food Sci. **2005**. 4 (17): 419–428.

Moscato L, Beghelli D, Valbonesi A, Sensi M, Mangili PM, Marchi S, Battistacci L. *Effects of vitamin E and Selenium administration on natural immune response and oxidative status in Chianina beef cattle*.

Proceedings 4th World Italian Beef Cattle Congress, Italy. 2005, April 29th – May 1st. **2005**. 403-408.

Rizzo A, Trisolini C, Minoia G, Manca R, De Sandro A, Sciorsci RL. *Serum level of reactive oxygen species (ROS) in sheep's peripartum* [original title "Livelli sierici dei ROS (Reactive Oxygen Species) nel periparto delle pecore"]. Proceedings III Congresso Nazionale Ente Nazionale Prevenzione Assistenza Veterinaria (ENPAV). Società Italiana di Riproduzione Animale (SIRA). 28-30 aprile 2005. Roma (Italy). **2005**. 104–106.

Al-Johany AM, Haffor A-S. *Increased antioxidant and white blood cell counts and decreased free radical production during Mild Heat Stress (MHS) in Uromastix egyptus*. J. Medical Sciences. **2005**. IN PRESS.

Haffor A-S, Al-Johany AM. *Effect of heat stress, hypoxia, hypoxia-hyperoxia on free radical production in mice, Mus Musculus*. J Med Scie. **2005**. 5 (2): 89–94.

Manca R, Gunther KG, Rizzo A, Sciorsci RL. *Stress and neonatal diseases in a group of Nilo's Lichi (Kobus megaceros). Observation on a group of animals of Roma's Biopark* [original title "Stress e patologie neonatali di un gruppo di Lichi del Nilo (Kobus megaceros). Osservazioni su un gruppo ospitato presso il Bioparco di Roma"]. Obiettivi e documenti veterinari. **2005**. 1: 43–46.

Marchetti V, Pasquini A, Luchetti E, Cardini G. *Age-related changes of free radicals oxygen and biological antioxidant potential in dogs* [original title "Radicali liberi dell'ossigeno e potenziale antiossidante biologico nel cane in relazione all'età"]. Proceedings LIX Convegno Nazionale – Società Italiana delle Scienze Veterinarie Viareggio (Italy). 2005, 21 – 24 September. **2005**. 329–330.

Pasquini A, Luchetti E, Cardini G, Guidi G, Bondi S. *Oxidative status valuation in search and rescue dogs: preliminary results* [original title "La valutazione dello stato ossidativo in cani da ricerca persone travolte dalle macerie: risultati preliminari"]. Anali Fac Med Vet. **2005**. LVIII: 327–339.

Pasquini A, Simonetti P, Luchetti E, Bardana C, Cardini G. *The Ginkgo biloba in the diet of ageing dog*. [original title "Il Ginkgo biloba nella dieta del cane anziano"]. Praxis Veterinaria. **2005**. 26 (2): 1-10.

Sauerwein H, Schmitz S, Hiss St. *The acute phase protein haptoglobin and its relation to oxidative status in piglets undergoing weaning-induced stress*. Redox Report. **2005**. 10 (6): 295–302.

Yöntem M, Serdar E, Yerlikaya A, Mehmetoğ lu I, Gökce R, Kaleli S. *Effects of highly consumed dietary oils on several hepatic transaminases and lipid oxidation in chick*. Ecology of Food and Nutrition. **2005**. 44 (4): 295-305(11)

Costantini D, Casagrande S, De Filippis S, Brambilla G, Fanfani A, Tagliavini J, Dell'Omo G. *Correlates of oxidative stress in wild kestrel nestlings (Falco tinnunculus)*. J Comp Physiol [B]. **2006**. 176(4):329-337.

Costantini D, Dell'Omo G. *Effects of T-cell-mediated immune response on avian oxidative stress*. Comp Biochem Physiol A Mol Integr Physiol. **2006**. 145(1): 137–142.

Costantini D, Dell'Omo G. *Environmental and genetic components of oxidative stress in wild kestrel nestlings (Falco tinnunculus)*. J Comp Physiol [B]. **2006**. 176(6): 575–579.

Danesi F, Malaguti M, Nunzio MD, Maranesi M, Biagi PL, Bordoni A. *Counteraction of adriamycin-induced oxidative damage in rat heart by selenium dietary supplementation*. J Agric Food Chem. **2006**. 54 (4): 1203 – 1208.

Di Marco P, Priori A, Petochi T, Massari A, Mandich A, Finoia MG, Marino G. *Physiological and oxidative stress responses in sea bass Dicentrarchus Labrax exposed to environmental hypercapnia*. Proceedings EAS. **2006**.

Di Trana A, Celi P, Claps S, Fedele V, Rubino R. *The effect of hot season and nutrition on the oxidative status and metabolic profile in dairy goats during mid lactation*. Animal Science. **2006**. 82: 717–722.

Hong Ji-Y, Sato Ef, Kira Y, Nishikawa M, Shimada K, Inoue M. *Curcuma aromatica inhibits diabetic nephropathy in the rat*. Journal of Food Science. **2006**. 71 (9): S626–S632.

Iorio EL. *Oxidative stress assessment in Animals. Actuality and perspectives* [original title "La valutazione dello stress ossidativo negli animali. Attualità e prospettive"]. Proceedings "67° Convegno Nazionale Unione Zoologica Italiana". Napoli (Italy). **2006**, September 12nd-15th. Pp. 28.

Lacetera N, Bernabucci U, Scalia D, Basirico L, Morera P, Nardone A. *Heat stress elicits different responses in peripheral blood mononuclear cells from brown swiss and holstein cows*. J. Dairy Sci. **2006**. 89: 4606–4612.

Pasquini A. *Free radicals in working-dogs* [original title "I radicali liberi nei cani da lavoro"]. Il Bracco Italiano. **2006**. 2: 9. Popular article.

- Pasquini A, Luchetti E, Cardini G. *Oxidative stress and recovery of hunting dogs* [original title: "Stress ossidativo e tempi di recupero nel cane da caccia"]. *Annali Fac Med Vet.* **2006**. LIX: 229–235.
- Pedernera M, Salvin H, Celi P, Garcia Sc, Barchia I, Fulkerson Wj. *Oxidative stress and its association with milk production and energy balance in early lactating cows on pasture-based systems.* **2006**.
- Pedernera-Romano M, Salvin H, Celi P, Garcia Sc, Horadagoda A, Barchia I, Fulkerson Wj. *Oxidative stress in early lactating cows fed to produce 6000 or 9000L milk/lactation in pasture-based system: preliminary results.* **2006**.
- Rubolini D, Romano M, Bonisoli Alquati A, Saino N. *Early maternal, genetic and environmental components of antioxidant protection, morphology and immunity of yellow-legged gull (*Larus michahellis*) chicks.* *Journal Compilation. European Society for Evolutionary Biology.* **2006**. 19: 1571–1584.
- Alhazza IM, Haffor ASA. *Effect of lead toxicity on free radical production in rats.* *J Med Sci.* **2007**. 7(5): 901–904.
- Bagni M, Civitareale C, Priori A, Ballerini A, Finioia M, Brambilla G, Marino G. *Pre-slaughter crowding stress and killing procedures affecting quality and welfare in sea bass (*Dicentrarchus labrax*) and sea bream (*Sparus aurata*).* *Aquaculture.* **2007**. 263: 52–60.
- Burke NC. *Assessment of redox markers in cattle.* Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of Master of Science in Biomedical and Veterinary Sciences. **2007**.
- Carletti M, Cantiello M, Giantin M, Nebbia C, Cannizzo FT, Bollo E, Da casto M. *Serum antioxidant enzyme activities and oxidative stress parameters as possible biomarkers of exposure in veal calves illegally treated with dexamethasone.* *Toxicology in Vitro.* **2007**. 21: 277–283.
- Costantini D, Cardinale M, Carere C. *Oxidative damage and anti-oxidant capacity in two migratory bird species at a stop-over site.* *Comparative Biochemistry and Physiology. Part C.* **2007**. 144: 363–371.
- Costantini D, Casagrande S, Dell'Omo G. *MF magnitude does not affect body condition, pro-oxidants and anti-oxidants in Eurasian kestrel (*Falco tinnunculus*) nestlings.* *Environ Res.* **2007**. 104(3): 361–366.
- Costantini D, Coluzza C, Fanfani A, Dell'Omo G. *Effects of carotenoid supplementation on colour expression, oxidative stress and body mass in rehabilitated captive adult kestrels (*Falco tinnunculus*).* *J Comp Physiol [B].* **2007**. 177(7): 723–731.
- Costantini D, Fanfani A, Dell'Omo G. *Carotenoid availability does not limit the capability of nestling kestrels (*Falco tinnunculus*) to cope with oxidative stress.* *The Journal of Experimental Biology.* **2007**. 210: 1238–1244.
- Fujiwara T, Nakabayashi M, Goto M, Koyama S, Fujimoto A, Kugu K, Yano T, Tsutsumi O, Taketani Y, Okamoto T. *Preliminary study on action of coenzyme Q₁₀ in female reproductive system.* *Proceedings 5th Conference of the International Coenzyme Q₁₀ Association.* 2007. November 9 to 12. Kobe Gakuin University at Port Island. Kobe, Japan. **2007**. JP-039 (1–2).
- Haffor ASA. *Effects of gram-negative bacteria, *E. coli* and cold exposure on free radicals production, lactate dehydrogenase and glutathione peroxidase activity in the lungs of rats, *Rattus norvegicus*.* *Saudi Journal of Biological Sciences.* **2007**. 14 (2): 177–183.
- Pasquini A, Luchetti E, Ariti G, Nardoni S, Cardini G. *Leishmaniasis and oxidative status in a hunting dog breeding* [original title "Leishmaniosi e stato ossidativo in un allevamento di cani da caccia"]. *Annali Fac Med Vet.* **2007**. LX :235-239.
- Rizzo A, Minoia G, Trisolini C, Manca R, Sciorsci RL. *Concentrations of free radicals and beta-endorphins in repeat breeder cows.* *Animal Reproduction Science.* **2007**. 100: 257–263.
- Basini G, Bussolati S, Santini SE, Grasselli F. *Reactive oxygen species and anti-oxidant defences in swine follicular fluids.* *Reproduction, Fertility and Development.* **2008**. 20(2) 269–274.
- Campanella L, Gregari E, Marini F, Tomassetti M. *Biosensors, colorimetric tests and chemometrics to check antioxidant and prooxidant properties of several animal feeds.* *J Food Agriculture Environment (JFAE).* **2008**. 6(3/4): 326–332.
- Celi P, Di Trana A, Quaranta A. *Metabolic profile and oxidative status in goats during the peripartum period.* *Australian Journal of Experimental Agriculture.* **2008**. 48(7): 1004–1008.
- Costantini D, Carere C, Caramaschi D, Koolhaas JM. *Aggressive and non-aggressive personalities differ in oxidative status in selected lines of mice (*Mus musculus*).* *Biol Lett.* **2008**. 4(1): 119–122.

- Costantini D, Dell'Araccia G, Lipp HP. *Long flights and age affect oxidative status of homing pigeons (Columba livia)*. J Exp Biol. **2008**. 211 (Pt 3): 377–381.
- Costantini D, Fanfani A, Dell'Omo G. *Effects of corticosteroids on oxidative damage and circulating carotenoids in captive adult kestrels (Falco tinnunculus)*. J Comp Physiol B. **2008**. DOI 10.1007/s00360-008-0270.
- Costantini D. *Oxidative stress in ecology and evolution: lessons from avian studies*. Ecology Letters. **2008**. 11: 1–14.
- Di Marco P, Priori A, Finioia MG, Petochi T, Marino G, Lemarié G, Alexis M, Alberti A, Macciantelli D. *Plasma total oxidant/antioxidant status in Dicentrarchus labrax after exposure to experimental hypoxia, hyperoxia and hypercapnia*. Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology. **2008**. 151(1, Suppl 1): S15.
- Hisamitsu N, Hlaing T, Guo S, Ishikawa S, Hisamitsu T. *The effect of small island stress on the blood fluidity and reactive oxygen metabolites level in rats*. **2008**. 3P-H-175.
- Komilus CF. *Effect of vegetable oils on growth performance and quality of red sea bream Pagrus major*. Thesis submitted in the partial fulfilment of the requirements for the degree of Doctor of Philosophy. Major Subject: Aquatic Animal Nutrition. The United Graduate School of Agricultural Sciences. Kagoshima University, Faculty of Fisheries. Kagoshima, JAPAN. September **2008**.
- Mutinati M, Spedicato M, Manca R, Trisolini C, Minoia G, Rizzo A, Sciorsci RL. *Influence of antibiotic therapy on serum levels of reactive oxygen species in ovariectomized bitches*. J Vet Pharmacol Ther. **2008**. 31 (1): 18–21.
- Pasquini A, Luchetti E, Marchetti V, Cardini G, Iorio EL. *Analytical performances of d-ROMs test and BAP test in canine plasma. Definition of the normal range in healthy Labrador dogs*. Vet Res Commun. **2008**. 32 (2): 137–143.
- Piccione G, Casella S, Assenza A, Fazio F, Caola G. *Evaluation of serum homocysteine and oxidative stress during lactation in ewes*. Czech J Anim Sci. **2008**. 53(11): 462–465.
- Tacchi S. *Oxidative stress evaluation in the blood plasma and sinovial fluid of dogs suffering from joint diseases [original title "Valutazione dello stress ossidativo nel plasma e liquido sinoviale di cani affetti da patologie articolari"]*. Thesis. Facoltà di Medicina Veterinaria, Pisa (Italy). **2008**.
- Al-Johany AM, Haffor AS. *Effects of cadmium exposure on the ultrastructural pathology of different pulmonary cells, leukocyte count, and activity of glutathione peroxidase and lactate dehydrogenase in relation to free radical production in Uromastix aegyptius*. Ultrastructural Pathology. **2009**. 33 (2): 39–47.
- Chen Y, Hanaoka M, Droma Y, Chen P, Voelkel NF, Kubo K. *Endothelin-1 receptor antagonists prevent the development of pulmonary emphysema in rats*. Eur Respir J. **2009**. DOI:10.1183/09031936.00003909
- Costantini D, Bonadonna F. *Patterns of variation of serum oxidative stress markers in two seabird species*. Polar Research. **2009**. IN PRESS.
- Costantini D, Dell'Omo G, De Filippis PS, Marquez C, Snell H, Snell H, Tapia W, Brambilla G, Gentile G. *Temporal and spatial covariation of gender and oxidative stress in Galápagos land iguana Conolophus subcristatus*. Physiological and Biochemical Zoology. **2009**. 82(5): 430–437.
- Costantini D, Lipp H-P. *Short restraint time does not influence markers of serum oxidative stress in homing pigeons (Columba livia)*. Journal of Animal Physiology and Animal Nutrition. **2009**. IN PRESS.
- Costantini D, Møller AP. *Does immune response cause oxidative stress in birds? A meta-analysis*. Comparative Biochemistry and Physiology, Part A. **2009**. 153: 339–344.
- Costantini D, Verhulst S. *Does high antioxidant capacity indicate low oxidative stress?* Functional Ecology. **2009**. 23(3): 506–509.
- Hisamitsu N, Hlaing T, Fujiwara H, Ishikawa S, Sunagawa M, Guo S-Y, Hisamitsu T. *The comparison of the influence of different stress types on blood fluidity and reactive oxygen metabolites (ROMs) level in rats*. J Physiological Sc. **2009**. 373.
- Mattar EH, Haffor ASA. *Effect of dobutamine and hyperoxia on free radicals production in relation to the ultrastructural alterations in the endothelial of myocardial capillary in rats, Rattus norvigicus*. Ultrastructural Pathology. **2009**. 33(5): 209–215.
- Rizzo A, Minoia G, Trisolini C, Mutinati M, Spedicato M, Jirillo F, Sciorsci RL. *Reactive Oxygen Species (ROS): involvement in bovine follicular cysts etiology*. Immunopharmacol Immunotoxicol. **2009**. Apr 30 [Epub ahead of print].
- Yamamoto T, Kinoshita M, Shinomiya N, Hiroi S, Sugawara H, Matsushita Y, Majima T, Saitoh D,

Seki S. *Pretreatment with ascorbic acid prevents lethal gastrointestinal syndrome in mice receiving a massive amount of radiation.* J Radiat Res. **2009**. IN PRESS.

Beaulieu M, Reichert S, Le Maho Y, Ancel A, Criscuolo F. *Oxidative status and telomere length in a long-lived bird facing a costly reproductive event.* **2010**. Functional ecology. DOI: 10.1111/j.1365-2435.2010.01825.x.

Celi P. *The role of oxidative stress in small ruminants health and production.* Revista Brasileira de zootecnia. **2010**. Vol. 39, p. 348-363.

Celi P, Di Trana A, Claps S. *Effects of plane of nutrition on oxidative stress in goats during the peripartum period.* The Veterinary Journal. **2010**. 184 (2010) 95-99 . DOI: 10.1016/j.tvjl.2009.01.014.

Celi P, Herman W, *Effects of Yerba mate (Ilex paraguariensis) supplementation on the productive performance of dairy cows during mid-lactation.* Animal production science. **2010**. 50, 339-344.

Criscuolo F, Font-Sala C, Bouillaud F, Poulin N, Trabalon M. *Increased ROS production: a component of the longevity equativo in the male mygalomorph, Brachypelma albopilosa.* **2010**. PLoSone 2010 Oct 1;5 (10) pii.e13104.

Pedernera M, Celi P, Garcia Sc, Salvin H, Barchia I, Fulkerson WJ. *Effect of diet, Energy balance and milk production on oxidative stress in early-lactating dairy cows grazing pasture.* The Veterinary journal. **2010**. 186 (2010) 352-357. DOI: 10.1016/j.tvjl.2009.09.003.

Piccione G, Giannetto C, Fazio F, Pennisi P, Caola G. *Evaluation of a total locomotor activity and oxidative markers daily rhythms in sheep.* Biological Rhythm Research. **2010**. Vol.41 No.6 Dec.2010,433-439

Schell T, Neatu C. *Oxidative stress, implications in equine orthopedic disease, insulin resistance and potential target for therapy.* Jahvma. **2010**. Vol.29, n.1: 11-15.

Appendix 1

Validation and Comparative Studies

Da Vela G, Casini MC, Della Lena R, Gozzi F. *From the theoretical research to clinical practice: free radicals in some pathological situations, usefulness, limits and perspectives* [original title "Dalla ricerca teorica alla pratica quotidiana: i radicali liberi in alcune situazioni patologiche, utilità, limiti e prospettive"]. Etruria Medica. **1995**. 2: 29-34.

Franzini A, Luraschi P, Pagani A. *Direct measurement of reactive oxygen metabolites in blood serum: analytical assesment of a novel method* [original title "Misura diretta dei metaboliti reattivi dell'ossigeno nel siero: valutazione analitica di un nuovo metodo"]. Biochimica Clinica. **1996**. Suppl. 1/5-6: 89.

Alberti A, Bolognini L, Carratelli M, Della Bona MA, Macciantelli D. *Assessing oxidative stress with the d-ROMs test. Some mechanistic considerations.* Proceedings SFRR Europe Summer Meeting. June 26-28, 1997. Abano Terme, Padua (Italy). **1997**. Pp. 82-83.

Alberti A, Della Bona MA, Bolognini L, Carratelli M, Macciantelli D. *Assessing oxidative stress in living organisms by ESR spectroscopy.* Proceedings Third European ESR Meeting. Leipzig, Germany. **1997**. P. 2.

Alberti A. *Report of a EPR experiment on Diacron's kit* [original title "Esperimento EPR sul kit Diacron"]. I.Co.C.E.A. - National Council of Research. Research Area. Bologna, Italy. **1997**. EXPERIMENTAL REPORT.

Alberti A. *The d-ROMs test. Model and chemical basis* [original title "Il d-ROMs test. Modello e basi chimiche"]. I.Co.C.E.A. - National Council of Research. Research Area. Bologna, Italy. **1997**. EXPERIMENTAL REPORT.

Belcaro G, Carratelli M, Cesarone MR, Cornelli U, Incandela L, Nicolaides A. *Oxygen free radicals: a method, a product, an application.* Proceedings SFRR Europe Summer Meeting. June 26-28, 1997. Abano Terme, Italy. **1997**. Pp. 183-184.

Cornelli U, Belcaro G. *Oxygen free radicals: a method, a product, an application* [original title "Radicali liberi di ossigeno: un metodo, un prodotto, un'applicazione"]. Proceedings XXIV National Congress of Italian Society of Pathology. June 24-27, 1998. Siena, Italy. **1998**. P. 83.

Alberti A, Bolognini L, Macciantelli D, Carratelli M. *The radical cation of N,N-diethyl-para-phenylendiamine: a possible indicator of oxidative stress in biological samples.* Res Chem Intermed. **2000**. 26 (3): 253-267.

Alberti A, Carratelli M, Luca S, Macciantelli D, Teranova R. *On the evaluation of oxidative stress in living organisms.* Proceedings European Congress "The ageing society". October 27-29, 2000. Salsomaggiore Terme, Italy. **2000**.

Iorio EL, Carratelli M, Alberti A. *A simple test to monitor the oxidative stress by evaluating total se-*

rum hydroperoxides. Proceedings 2nd International Conference on Oxidative Stress and Aging. April 2–5, 2001. Maui, Hawaii (USA). **2001**. P. 25.

Vassalle C, Lubrano V, Boni C, L'Abbate A, Zucchelli GC. *Evaluation of oxidative stress levels in vivo by means of colourmetric and immunoenzymatic methods* [original title "Valutazione dei livelli di stress ossidativo in vivo mediante metodo colorimetrico ed immunoenzimatico"]. Report of National Council of Research. Institute of Clinic Physiology. Pisa, Italy. **2001**. *CLINICAL REPORT*.

Bertino MG, Da Vela G, Della Lena R, Salvatori M, Schiatti R. *A recent analytical test useful to monitor environmental diseases in Paediatrics. Preliminary experience of the Paediatric Hospital Meyer's clinical chemical laboratory* [original title "Un recente test analitico utile alla sorveglianza delle malattie ambientali in pediatria. Esperienza preliminare del laboratorio analisi dell'ospedale pediatrico Meyer"]. Proceedings Convegno "Inquinamento ambientale e problematiche pediatriche. 2002, 20th June. Florence (Italy). **2002**. Pp. 13–14.

Iamele L, Focchi R, Vernocchi A. *Evaluation of an automated spectrophotometric assay for reactive oxygen metabolites in serum*. Clin Chem Lab Med. **2002**. 40 (7): 673–676.

Lubrano V, Vassalle C, L'Abbate A, Zucchelli GC. *A new method to evaluate oxidative stress in humans*. Immuno-analyse and Biologie spécialisée. **2002**. 17: 172–175.

Trotti R, Carratelli M, Barbieri M. *Performance and clinical application of a new, fast method for the detection of hydroperoxides in serum*. Panminerva Med. **2002**. 44 (1): 37–40.

Vassalle C, Lubrano V, Carpeggiani C, L'Abbate A, Zucchelli GC. *Assessment of total antioxidant capacity by two different analytical methods*. Report of National Council of Research. Institute of Clinic Physiology. Pisa, Italy. **2002**. *CLINICAL REPORT*.

Verde V, Fogliano V, Ritieni A, Maiani G, Morisco F, Caporaso N. *Use of N,N-dimethyl-p-phenylene-diamine to evaluate the oxidative status of human plasma*. Free Radic Res. **2002**. 36 (8): 869–873.

Yao D, Vlessidis AG, Evmiridis NP. *Monitoring reactive oxygen species in vivo using microdialysis sampling and chemiluminescence detection as an alternative global method for determination of total antioxidant capacity*. Analytica Chimica Acta. **2002**. 467: 133–144.

Cavalleri A, Colombo C, Venturelli E, Miceli R, Mariani L, Cornelli U, Pala V, Berrino F, Secreto G. *Eva-*

luation of reactive oxygen metabolites in frozen serum samples. Effect of storage and repeated thawing. Int J Biol Markers. **2004**. 19: 250–253.

Vassalle C, Masini S, Carpeggiani C, L'Abbate A, Boni C, Zucchelli GC. *In vivo total antioxidant capacity: comparison of two different analytical methods*. Clinical Chemistry and Laboratory Medicine. **2004**. 42 (1): 84–89.

Cighetti G, Paroni R, Marzorati S, Borotto E, Giudici R, Magnanini G, Iapichino G. *Evaluation of oxidative stress in serum of critically ill patients by a commercial assay and gas chromatography-mass spectrometry*. Clin Chem. **2005**. 51 (8): 1515–1517.

Iorio EL, Balestrieri ML. *d-ROMs test and POX ACT test. Comparison impossible*. Clinical Chemistry Laboratory Medicine. **2005**. 43(4): 457–458.

Iorio EL. *The global evaluation of oxidative stress. The role of the laboratory* [original title "La valutazione globale dello stress ossidativo. Il ruolo del laboratorio"]. Proceedings Congress "Reactive oxygen species: biochemistry, pathology, prevention, laboratory". Palermo, Mondello Palace Hotel. May 25th, 2005. Palermo, Italy. **2005**. P. 27.

Lucchi L, Iannone A, Bergamini S, Stipo L, Perrone S, Uggeri S, Gatti V, Ferrari F, Tomasi A, Albertazzi A. *Comparison between hydroperoxides and malondialdehyde as markers of acute oxidative injury during hemodialysis*. Artificial Organs. **2005**. 29: 832–837.

Minucci A, Persichilli S, Rossi C, Spada PL, Diaco ML, Roccarina D, Paladini S, De Sole P. *Plasma concentration of thiol groups and reactive oxygen metabolites* [original title "Contenuto plasmatico dei gruppi tiolici e dei metaboliti reattivi dell'ossigeno"]. Biochimica Clinica. **2005**. 29 (2): 248.

Iorio EL, Cinquanta L, Pisano R. *A diagnostic algorithm for the oxidative stress* [original title "Un algoritmo diagnostico per lo stress ossidativo"]. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 137.

Rosolia A, Di Leo T, Iorio EL, Lipartiti T. *The d-ROMs test automation: analytical performances and clinical applications* [original title "Automazione del d-ROMs test: performance analitiche ed applicazioni cliniche"]. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 172.

Banfi G, Malavazos A, Iorio EL, Dolci A, Doneda L, Verna R, Corsi MM. *The iron-o-dianisidine/xylenol orange assay in comparative oxidative stress assessment. Some possible shortcomings*. Eur J Appl Physiol. **2006**. 96 (5): 506 – 508.

Harsem NK, Staff AC. *Are d-ROM and FRAP tests suitable assays for detecting the oxidative status?* European Journal of Obstetrics & Gynecology and Reproductive Biology. **2006**. 127: 272.

Iorio EL, Cinquanta L, Pisano R. *A diagnostic algorithm to manage oxidative stress*. Australasian J Cosmet Surg. **2006**. 2 (1) : 26-30.

Papageorgiou E, Kostikas K, Kiropoulos, Karetsi E, Mpatavanis G, Gourgouliani KI. *Increased oxidative stress in exudative pleural effusions: a new marker for the differentiation between exudates and transudates?* Chest. **2006**. 130: 1276–1277. *REPLY OF AUTHORS*.

Veglia F, Cighetti G, De Franceschi M, Zingaro L, Boccotti L, Tremoli E, Cavalca V. *Age- and gender-related oxidative status determined in healthy subjects by means of OXY-SCORE, a potential new comprehensive index*. Biomarkers. **2006**. 11 (6): 562–573.

Hayashi I, Morishita Y, Imai K, Nakamura M, Nakachi K, Hayashi T. *High-throughput spectrophotometric assay of reactive oxygen species in serum*. Mutation Research. **2007**. 631: 55–61.

Iorio EL, Ferreri C, Cozzolino R, Manara S, Ferreri R. *Plasma total oxidant status and erythrocyte plasmamembrane lipidomics. A promising synergy in the molecular diagnostics of anti-aging*. Proceedings 9th International Congress of Aesthetic Medicine. 2007, October 11th –13th Milan, Italy. **2007**. Pp. 145.

Vassalle C, Boni C, Di Cecco P, Ndreu R, Zucchelli GC. *Automation and validation of a fast method for the assessment of in vivo oxidative stress levels*. Clin Chem Lab Med. **2006**. 44(11): 1372–1375.

Celi P, Sullivan M, Evans D. *The stability of the reactive oxygen metabolites (d-ROMs) and biological antioxidant potential (BAP) tests on stored horse blood*. The Veterinary Journal. **2008**. Doi:10.1016/j.tvjl.2008.09.018.

Iorio EL. *The laboratory in oxidative stress study* [original title "El laboratorio en el estudio del estrés oxidativo"]. Consejo General de Colegios Oficiales de Farmacéuticos. Plan Nacional de Formación Continuada. Análisis Clínicos II. Modulo II. **2008**. 1–28.

Saigo K, Takenokuchi M, Imoto S. *Neutrophil function tests and oxidative stress detection as clinical examinations*. Rinsho Byori. **2008**. 56(9): 791–801.

Buico A, Cassino C, Ravera M, Betta PG, Osella D. *Oxidative stress and total antioxidant capacity in human plasma*. Redox Re. **2009**. 14(3): 125–131.

Iorio EL, Balestrieri ML. *The oxidative stress* [original title "Lo stress ossidativo"]. Trattato Italiano di Medicina di Laboratorio, di Angelo Burlina, Ed. Balestrieri C, Piccin, Padua, Italy. **2009**. 533–549.

Nojima J, Miyakawa M, Kodama M, Motoki Y, Tuneoka H, Hinoda Y. *Measurement of the oxidation stress degree by the automated analyzer JCA-BM1650*. CLINICAL REPORT. **2009**.

Seki Y. *Evaluation of total oxidative stress by d-ROMs testing*. J Anal Bio-Sci. **2009**. 32(4): 301–306.

Vassalle C. *A simple and reliable automated method to estimate the oxidative stress status in the clinical setting* [original title "Un metodo automatizzato per la valutazione dello stress ossidativo in ambito clinico"]. Ligand Assay. **2009**. 14(1) : 60–62.

Cornelli U, Belcaro G, Finco A. *The oxidative stress balance measured in human with different markers, following a single oral antioxidants supplementation or a diet poor of antioxidants*. **2011** Journal of Cosmetics, Dermatological Sciences and Applications, 64-70. doi: 10.4236/jcdsa2011.13011.

Appendix 2 Reviews

Rampoldi C. *The measurement of oxidation reduction phenomena* [original title "La misura dei fenomeni ossidoriduttivi"]. Giornale Italiano delle Malattie del Torace. **1998**. 4: 277–281.

Dionisio C, Pozzi D, Lisi A, Santoro N, Grimaldi S. *The Diacron's kit for the monitoring of plasma free radicals: correlation with stress and pathological states* [original title "Il kit Diacron per il monitoraggio di radicali liberi plasmatici: correlazione a stati di stress e patologici"]. Report of the Experimental Medicine Institute. National Council of Research. Rome, Italy. **1999**.

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *The importance of oxidative stress as a risk factor for morbidity* [original title "Importanza dello stress ossidativo come fattore di rischio per la morbilità"]. La Medicina Biologica. **2000**. 1: 13–18.

Razzano M. *Free radicals and oxidative stress. The laboratory: methods for assessment* [original title "Radicali liberi e stress ossidativo. Il laboratorio: metodi di valutazione"]. CAM INFORMA. **2000**. 3: 1–4.

- Cloete PW. *Clinical applications of free radicals*. **2002**. CASE REPORT.
- Cloete PW. *The significance of free radicals in clinical practice*. **2002**.
- Cordara R. "Oxidative status" assessment in clinical practice [original title "La valutazione dello stato ossidativo nella pratica clinica"]. *Biochimica Clinica*. **2002**. 26 (5-6): 415-418.
- Scartezzini P et Al. *Free radicals in diagnostics* [original title "Radicali liberi nella diagnostica"]. Mahari-shi Vedic University. Terni, Italy. **2002**.
- Ahrens B. *Oxidativer Stress: Messmethode und Antioxidanzberatung*. Lubeck, Germany. **2003**. PRESS RELEASE.
- Iorio EL, Boccellino M, Balestrieri P, De Prisco, R, Quagliuolo L. *d-ROMs test and oxidative stress assessment*. *Rendiconti e Atti della Accademia di Scienze Mediche e Chirurgiche*. **2003**. 157: 49-61.
- Iorio EL. *The global assessment of oxidative stress* [original title "La valutazione globale dello stress ossidativo"]. *Il Patologo Clinico*. **2003**. 5/6: 155-159.
- Iorio EL. *The antioxidants. What they are. How they work* [original title "Gli antiossidanti. Cosa sono. Come funzionano"]. *Natura e Benessere*. **2003**: 3. POPULAR ARTICLE.
- Cornelli U, Belcaro G, Cesarone MR, Cornelli M. *Oxidative stress and related diseases* [original title: "Stress ossidativo e patologie correlate"]. *Proceedings www.bambinoprogettosalute.it*. 2004, 24th-25th June. Ancona, Italy. **2004**. Pp. 33-38.
- Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *The importance of oxidative stress as a risk factor for morbidity*. *La Medicina Biologica*. **2004**. 1: 13-18.
- Iorio EL. *d-ROMs test and global assessment of oxidative stress* [original title: "Il d-ROMs test e la valutazione globale dello stress ossidativo"]. *Diacron International* Eds. Grosseto, Italy. **2004**.
- Ivkovic S, Müller-Schubert A. *Oxidativer stress*. In "Oxidativer stress. Risikofactor Nr. 1 für Ihre Gesundheit". Astra H&D GmbH, Schlanstedt. **2004**. 98-131. Book.
- Guacci L. *Free radicals and antioxidant activity. Now they can be measured* [original title "Radicali liberi e attività antiossidante. Finalmente si possono misurare"]. *Medical Team Magazine*. **2005**. P. 12. POPULAR ARTICLE.
- Haffor A-S, Al-Hazza I, Al-Himaidi AR. *Effects of hyperoxia on free radicals production*. *J 2nd Saudi Sci Conf*. **2005**. IN PRESS.
- Anonymous. *On the trace of free radicals in a easy and reliable mode* [original title "Sulle tracce dei radicali liberi in modo rapido e affidabile"]. *Ce-nèsthesis*. **2005**. 14-15. POPULAR ARTICLE.
- Carratelli M, Iorio EL, Bianchi L. *Methods to measure the oxidative stress* [original title "Metodi di misurazione dello stress ossidativo"]. *ADI Magazine*. **2006**. 4 (10): 405 - 414.
- Iorio EL, Carratelli M, D'Amicantonio T. *Oxidative stress and diseases* [original title "Stress ossidativo e malattia"]. *ADI Magazine*. **2006**. 4 (10): 399 - 404.
- Cornelli U. *Antioxidants*. In *Textbook of interventional cardiovascular pharmacology*. Eds Kipshidze NN, Fareed J, Moses JW, Serruys PW. *Informa Health Care*. **2007**. 211-239.
- Cornelli U, Iorio EL. *The antioxidants. Therapeutic and diagnostic aspects* [original title: "Antiossidanti. Aspetti terapeutici e diagnostici"]. *Guna Ed*. **2007**. Book.
- Cornelli U. *Oxidation and antioxidant. Scientific basis of physiological regulating medicine*. *Seminar at Loyola University Chicago*. **2007**. 1-17.
- Iorio EL. *Oxidative stress and ageing* [original title "Stress ossidativo e senescenza"]. In "Il manifesto della lunga vita. La rivoluzione della medicina predittiva". Marandola P, Marotta F. *Sperling and Kupfer*. **2007**. 318-322. Book.
- Bellometti S. *Diagnosis and prevention of oxidative stress damage* [original title: "Diagnosi e prevenzione del danno da stress ossidativo"]. *Medicina Naturale*. **2007**. 48-52. Popular article.
- Cornelli U. *Innovative concepts in the oxidative stress field: the physiologic modulators* [original title "Concetti innovativi nel settore dello stress ossidativo: i modulatori fisiologici"]. *ACSA Magazine*. **2008**.
- Manna F. *New frontiers in the organism homeostasis regeneration* [original title "Nuove frontiere nella rigenerazione dell'omeostasi dell'organismo"]. *Medicina Naturale*. **2008**. November.
- Regano N, Iorio E.L, Guglielmi A, Mazzuoli S, Francavilla A, Fregnan S, Leogrande G, Guglielmi FW. *The assessment of oxidative stress in clinical practice and its importance in nutrition*. *Nutritional Therapy & Metabolism*. **2008**. 26(4): 149-162.

Cornelli U. *Antioxidant use in nutraceuticals*. Clin Dermatol. **2009**. 27(2): 175–194.

Iorio EL. *La diagnosi dello stress ossidativo*. **2009**. Nuovo collegamento, Utifar.

Iorio EL. *Lo stress ossidativo. Quale ruolo per il farmacista*. **2009**. Nuovo Collegamento. Utifar. Pag. 44-47

Iorio EL. *Rilevanza dello stress ossidativo in medicina estetica*. **2009**. Nuovo Collegamento, Utifar.

Iorio EL. *Stress ossidativo e medicina estetica*. **2009**. Nuovo collegamento, Utifar.

Galimberti D. *Chech-up anti-aging*. **2010**. Health Magazine. Vol. 9: 15.

Kotani K, Taniguchi N. *Correlation between high-sensitivity C-reactive protein and reactive oxygen metabolites during a one-year period among asymptomatic subject*. J Clin Med Res **2012**; 4(1):52-55.

Appendix 3 Miscellanea

Marzo C, Giannattasio A, Guarino C, Ambrosino A, Marrazzo R, De Vita G, Peticca M, Basile G, Carratelli M, Metafora S. *Relationship between membrane lipoperoxides activity and the enzyme glutathione peroxidase in normal and abnormal lung cells* [original title "Correlazione tra attività dei lipoperossidi di membrana e l'enzima glutathione perossidasi delle cellule polmonari normali e patologiche"]. Proceedings National Congress of American College of Chest Physicians. November 27-28, 1998. Naples, Italy. **1998**.

Giannattasio A, De Chiara M, Basile G, Peticca M, De Rosa M, Zarrilli S, Metafora S, Hall L. *A new method for the assay of sperm membranes lipoperoxides in normal and pathological human semen*. J Endocrinol Invest. **1998**. 21 (Suppl 7): 187.

Fiorito S, Goze C, Adrey J, Magrini L, Goalard C, Bernier P. *Increase in free radicals on UHMWPE hip prostheses components due to inflamed synovial cell products*. J Biomed Mater Res. **2001**. 57: 35–40.

Pironi L, Guidetti M, Zolezzi C, Fasano MC, Paganelli F, Merli C, Bersani G, Pizzoferrato A, Miglioli M. *Peroxidation potential of lipid emulsions after compounding in all-in-one solutions*. Nutrition. **2003**. 19 (9): 784–788.

Guglielmi FW, Mazzuoli S, Capogna D, Messanelli R, Regano N, Pispisa S, Guglielmi A, Panella C, Franca-

villa A. *Oxidative stress in inflammatory chronic bowel diseases: assesment by means of "d-ROMs test" in patients with clinical remission* [original title "Lo stress ossidativo nelle malattie infiammatorie croniche intestinali (MICI): valutazione mediante d-ROMs test nei pazienti in remissione clinica"]. Proceedings National Congress of Italian Society of Parenteral Nutrition (SINPE). November, 2003. Milan, Italy. **2003**.

Balestrieri ML, De Prisco R, Nicolaus B, Pari P, Schiano Moriello V, Strazzullo G, Iorio EL, Servillo L, Balestrieri C. *Lycopene in association with α -tocopherol or tomato lipophilic extracts enhances acyl-platelet-activating factor biosynthesis in endothelial cells during oxidative stress*. Free Radical Biology & Medicine. **2004**. 36 (8): 1058–1067.

Ballardin M, Barsacchi R, Bodei L, Caraccio N, Cristofani R, Di martino F, Ferdeghini M, Kusmic C, Madeddu G, Monzani F, Rossi AM, Sbrana I, Spanu A, Traino C, Barale R. *Oxidative and genotoxic damage after radio-iodine therapy of Graves' hyperthyroidism*. International Journal of Radiation Biology. **2004**. 80 (3): 209–216.

Casale GR. *Assessment of solar UV exposure in the Italian population*. PhD Thesis in Biophysics. XIX Cycle (2004-2006). Università "La Sapienza". Rome (Italy). **2004**.

Crescentini F. *Cells communicate by a biochemical language but think by an electric-magnetic language* [original title: "Le cellule comunicano con un linguaggio biochimico ma pensano con un linguaggio elettromagnetico"] Proceedings I° Convegno Nazionale Società Italiana Biofisica Elettrodinamica. Campi magnetoelettrici. Nuove frontiere per la medicina. 2005, December 3rd. Bologna (Italy). **2005**. Pp. 26-41.

Iorio EL. *Women manager. The enemy is the stress* [original title "Donne manager. Il pericolo è lo stress"]. Il Denaro. **2005**. 65: 29. INTERVIEW.

Campanella L, Bonanni A, Gatta T, Gregori E, Tomassetti M. *Evaluation of the antioxidant properties of various common spices by means of different analytical methods* [original title "Valutazione delle proprietà antiossidanti di numerose specie commerciali per mezzo di diversi metodi analitici"]. Proceedings XIX Congresso di Chimica Analitica, Cagliari (Italy). 2005, 11 – 15 September. **2005**.

Schmitt-Schillig S. *Untersuchung zu neuroprotektiven Effekten mediterraner Pflanzenextrakte auf oxidative Stress-Parameter in vitro und in vivo*. Dissertation Zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. phil. nat.) vorgelegt beim Fachbereich Chemische und Pharmazeutische Wis-

senschaften der Johann Wolfgang Goethe-Universität in Frankfurt am Main. **2005**.

Al-Delaimy WK, Jansen EH, Peeters PH, van der Laan JD, van Noord PA, Boshuizen HC, van der Schouw YT, Jenab M, Ferrari P, Bueno-de-Mesquita HB. *Reliability of biomarkers of iron status, blood lipids, oxidative stress, vitamin D, C-reactive protein and fructosamine in two Dutch cohorts*. *Biomarkers*. **2006**. 11(4): 370–382.

Bonanni A, Campanella L, Gatta T, Gregori E, Tomassetti M. *Evaluation of the antioxidant and prooxidant properties of several commercial dry spices by different analytical methods*. *Food Chemistry*. **2007**. 102(3): 751–758.

Suzuki S, Ota H, Kiuchi Y, Nemoto T, Kobayashi K, Matsukura S, Dohi K, Aruga T. *Serum levels of reactive oxygen metabolites as indicators of oxidative stress in acute mountain sickness*. *Journal of the Showa Medical Association*. **2006**. 66 (4): 291–297.

Frank R, Shinhan-Kumpfmüller K, Puttinger J, Reitingen A. *Wirkung von Honig auf das Immunsystem und die Gesundheit*. *Ernährung & Medizin*. **2007**. 22: 1–7.

Hansen JM, Moriarty-Craige S, Jones DP. *Mitochondrial thioredoxin-2 overexpression inhibits oxidative damage in aged mice*. *The Toxicologist. Supplement to Toxicological Sciences*. **2007**. 96 (1): 40.

Lunardi MG. *The youth recipe* [original title. "La ricetta della giovinezza"]. *L'erborista*. **2007**. 1: 46–49. *Popular article*.

Pereska Z, Dejanova B, Bozinovska C, Petkovska L. *Prooxidative/antioxidative homeostasis in heroin addiction and detoxification*. *Bratisl Lek Listy*. **2007**. 108 (9): 393–398.

Casale GR, Siani AM, Colosimo A. *Polysulphone dosimetry: a tool for personal exposure studies*. *Biophys & Bioeng Letters*. **2009**. 2(1): 1–14.

Wollanke B. *Evaluierung von Stressparametern beim Pferd im Zusammenhang mit dem Klinikaufenthalt*. Inaugural-Dissertation zur Erlangung der tiermedizinischen Doktorwürde der Tierärztlichen Fakultät der Ludwig-Maximilians-Universität München. **2007**.

Ito Y, Nakamura A, Adachi M, Kato Atsumi, Ishikawa H, Maruta K, Hata T. *Blood oxidative stress levels and urinary dopamine values reflect the impact of academic stress on student*. *Journal of Analytical Bio-Science* vol. 32 No 5 **2009**.

Yamamoto T, Tomofuji T, Tamaki N, Ekuni D, Azuma T, Sanbe T. *Effect of topical application of lipopolysaccharide on hepatic injury induced by high-cholesterol diet in rats*. *Journal of periodontal research*. **2009**. doi:10.1111/j.1600-0765.2009.01212.x.

Chang-Hu H, Hyun-Joo C, Dong-Seok K. *Evaluation of free oxygen radical and antioxidant capacity in Alopecia Areata*. *The Journal of dermatology*. **2010** Vol.37, issue 8: 762-764.

Onoue S, Ochi M, Gandy G, Seto Y, Igarashi N, Yamauchi Y, Yamada S. *High-throughput screening system for identifying phototoxic potential of drug candidates based on derivatives of reactive oxygen metabolites*. *Pharmaceutical Research*. **2010**. Vol.27 (8): 1610-1619. DOI: 10.1007/s11095-010-01611-3.

Kim SW, Kim BJ, Youn W, Park KC, Huh CH. *Evaluation of free oxygen radical and antioxidant capacity in alopecia areata*. **2010**. *The journal of dermatology*. Vol. 37 (8): 762-764 2010. DOI: 10.1111/j.1346-8138.2010.00868.x.

Bonisoli-Alquati A, Pape Moller A, Rudolfsen G, Saino N, Caprioli M, Ostermiller S, Mousseau T.A. *The effect of radiation on sperm swimming behavior depend on plasma oxidative status in the barn swallow (Hirundo rustica)*. **2011**. *Comparative Biochemistry and Physiology*. DOI: 10.1016/j.cbpa.2011.01.018.

Section 3. Selection of References by Publication Year

1995

Da Vela G, Casini MC, Della Lena R, Gozzi F. *From the theoretical research to clinical practice: free radicals in some pathological situations, usefulness, limits and perspectives* [original title "Dalla ricerca teorica alla pratica quotidiana: i radicali liberi in alcune situazioni patologiche, utilità, limiti e prospettive"]. Etruria Medica. **1995**. 2: 29–34.

Pontiggia P, Silvotti MG, Martano F, Cuppone Curto F, Rotella GB, Sabato A. *The role of whole body hyperthermia in AIDS patients: effects on the free radicals level*. Med Biol Environm **1995**. 23 (2): 279–282.

1996

Akkus I, Can UG, Caglayan O, Gurbilek M, Kalak S, Bor MA, Dikici I. *Lipid peroxidation and antioxidant status in serum, erythrocytes and leucocytes of children with insulin-dependent diabetes mellitus*. Proceedings 16th International Congress of Clinical Chemistry. 7–12 July, 1996. London, United Kingdom. **1996**.

Franzini A, Luraschi P, Pagani A. *Direct measurement of reactive oxygen metabolites in blood serum: analytical assesment of a novel method* [original title "Misura diretta dei metaboliti reattivi dell'ossigeno nel siero: valutazione analitica di un nuovo metodo"]. Biochimica Clinica. **1996**. Suppl. 1/5–6: 89.

La Torre F, Orlando A, Silipigni A, Giacobello T, Pergolizzi S, Aragona M. *Increase of oxygen free radicals and their derivatives in chemo- and radiation treated neoplastic patients* [original title "Incremento dei radicali liberi dell'ossigeno e dei loro derivati in pazienti neoplastici chemio e radiotrattati"]. Minerva Medica. **1996**. 86: 1–4.

1997

Alberti A, Bolognini L, Carratelli M, Della Bona MA, Macciantelli D. *Assessing oxidative stress with the d-ROMs test. Some mechanistic considerations*. Proceedings SFRR Europe Summer Meeting. June 26–28, 1997. Abano Terme, Padua (Italy). **1997**. Pp. 82–83.

Alberti A, Della Bona MA, Bolognini L, Carratelli M, Macciantelli D. *Assessing oxidative stress in living organisms by ESR spectroscopy*. Proceedings Third European ESR Meeting. Leipzig, Germany. **1997**. P. 2.

Alberti A. *Report of a EPR experiment on Diacron's kit* [original title "Esperimento EPR sul kit Diacron"]. I.Co.C.E.A. – National Council of Research. Research Area. Bologna, Italy. **1997**. EXPERIMENTAL REPORT.

Alberti A. *The d-ROMs test. Model and chemical basis* [original title "Il d-ROMs test. Modello e basi chimiche"]. I.Co.C.E.A. – National Council of Research. Research Area. Bologna, Italy. **1997**. EXPERIMENTAL REPORT.

Belcaro G, Carratelli M, Cesarone MR, Cornelli U, Incandela L, Nicolaides A. *Oxygen free radicals: a method, a product, an application*. Proceedings SFRR Europe Summer Meeting. June 26–28, 1997. Abano Terme, Italy. **1997**. Pp. 183–184.

Comi D, Baronzio GF, Vecchio G, Zimbelli A, Cargnel A, Ferrario R, Galante F, Barlocco A, Pravettoni G. *Oxygen radicals, antioxidant vitamins and minerals in AIDS cachexia*. Nutrition. **1997**. 13 (3): 272.

Comi D, Brugnani M, Baronzio GF, Zambelli A Barlocco A, Pravettoni G, Toma G, Vecchio C. *Free radicals and oxidative status in cachectic patients with AIDS* [original title "Radicali liberi e stato ossidativo in pazienti con cachexia da AIDS"]. Proceedings Second International Conference on nutrition and HIV infection. April 23–25, 1997. Cannes, France. **1997**. P. 253.

Digiesi V, Oliviero C, Gianni V, Rossetti M, Fiorillo C, Oradei A, Lenuzza M, Nassi P. *Reactive metabolites of oxygen, lipid peroxidation, total antioxidant capacity and vitamin E in essential arterial hypertension*. Clin Ter. **1997**. 148 (11): 515–519.

Formigoni A, Calderone D, Pezzi P, Panciroli A. *Changes in "oxidative status" during the dry period and the first month of lactation in dairy cows* [original title "Evoluzione dello "status ossidativo" nella bovina da latte: osservazioni preliminari"]. Proceedings 12th National Congress "Associazione Scientifica di Produzione Animale". June 23–26, 1997. University of Pisa, Department of Animal Productions. Pisa, Italy. **1997**. Pp. 203–204.

Iamele L, Amboni P, Felletti S, Pasinetti G, Auriema A, Vernocchi A. *Reference values of hydroperoxides in the blood serum of newborns and adults* [original title "Valori di riferimento di idroperossido nel siero di neonati e adulti"]. Biochimica Clinica. **1997**. 21: 7–8.

Jamele L, Vernocchi A, Amboni P, Pasinetti G, Auriema A, Bellan C, Tempa A. *Normal values of free radicals in newborns and comparison with adults*. Proceedings 12th IFCC European Congress of Clinical Chemistry "Medlab '97". Basel, Switzerland. **1997**. P. 196.

Parmigiani S, Gambini L, Massari A, Pezzani I, Payer C, Bevilacqua G. *Evaluation of reactive oxygen metabolites with micromethod in neonates: determination of standards of normality in full-term babies*. Acta Biomed Ateneo Parmense. **1997**. 68 (Suppl. 1): 103–106.

1998

Conti P, Cerretini C, Oliviero C, Rossetti M, Tosi P, Bandini S, Salvadori M. *Lipoperoxidation and oxygen free radicals: blood changes in haemodialysis and haemofiltration* [original title "*Lipoperossidazione e radicali liberi dell'ossigeno: variazioni ematiche in emodialisi ed emodiafiltrazione*"]. Giornale Italiano di Nefrologia. **1998**. 15 (3): 1–2.

Cornelli U, Belcaro G. *Oxygen free radicals: a method, a product, an application* [original title "*Radicali liberi di ossigeno: un metodo, un prodotto, un'applicazione*"]. Proceedings XXIV National Congress of Italian Society of Pathology. June 24–27, 1998. Siena, Italy. **1998**. P. 83.

Dolci A, Nanni G, Roi GS, Palli R, Banfi G. *Oxygen free radicals and total antioxidant status in a professional players team during a football season*. **1998**. CLINICAL REPORT.

Giannattasio A, De Chiara M, Basile G, Peticca M, De Rosa M, Zarrilli S, Metafora S, Hall L. *A new method for the assay of sperm membranes lipoperoxides in normal and pathological human semen*. J Endocrinol Invest. **1998**. 21 (Suppl 7): 187.

Marzo C, Giannattasio A, Guarino C, Ambrosino A, Marrazzo R, De Vita G, Peticca M, Basile G, Carratelli M, Metafora S. *Relationship between membrane lipoperoxides activity and the enzyme glutathione peroxidase in normal and abnormal lung cells* [original title "*Correlazione tra attività dei lipoperossidi di membrana e l'enzima glutathione perossidasi delle cellule polmonari normali e patologiche*"]. Proceedings National Congress of American College of Chest Physicians. November 27–28, 1998. Naples, Italy. **1998**.

Nanni G, Dolci A, Roi GS, Palli R, Bangi G. *On the usefulness of biochemical monitoring of oxidative stress and antioxidant activity during a football season* [original title "*Utilità del monitoraggio biochimico dello stress ossidativo e dell'attività antiossidante durante la stagione calcistica*"]. Proceedings

18th National Congress L.A.M.I.C.A. June 18–20, 1998. Campione d'Italia, Italy. **1998**. P. 66.

Parmigiani S, Gambini L, Massari A, Pezzani I, Bevilacqua G. *Evaluation by micromethod of reactive oxygen metabolites in the newborn: assessment of normality standards* [original title "*Valutazione con micrometodo dei metaboliti reattivi dell'ossigeno nel neonato: determinazione degli standard di normalità*"]. Proceedings 7th National Congress of Italian Society of Perinatal Medicine "Medicina Perinatale '98". March 25–28, 1998. Bari, Italy. **1998**. 266–269.

Rampoldi C. *The measurement of oxidation reduction phenomenon* [original title "*La misura dei fenomeni ossidoriduttivi*"]. Giornale Italiano delle Malattie del Torace. **1998**. 4: 277–281.

1999

Beltrami G, Fanton F, Schiavottello G. *Determination of free radicals in different sporting activities and their application* [original title "*Determinazione dei radicali liberi in differenti attività sportiva e sue applicazioni*"]. Report of Italian Baseball And Softball Medical Federal Commission. Scientific Institute for Sport Italian National Olympic Committee (CONI), Rome, Italy. **1999**. CLINICAL REPORT.

Carratelli M, Spagnoli U, De Toma G, Guerreschi F, D'Ascenzio G. *Application of a new method to evaluate oxidative damage in patients treated with ozone-therapy* [original title "*Applicazione di un nuovo metodo per la valutazione del danno ossidativo in pazienti trattati con ozonoterapia*"]. **1999**. CLINICAL REPORT.

Cesarone MR, Belcaro G, Carratelli M, Cornelli U, De Sanctis MT, Incandela I, Barsotti A, Terranova R, Nicolaidis A. *A simple test to monitor oxidative stress*. International Angiology. **1999**. 18 (2): 127–130.

Cornelli U, Cornelli M, Terranova R. *Free-radical and vascular diseases*. The International Union of Angiology's Bulletin. **1999**. 15: 7–10.

Corsi MM, Fulgenzi A, Gualandri V, Ferrero ME, Gaja G. *Free radicals, ROS, and lipoperoxides, LPO, in blood plasma of children with 21 trisomy syndrome* [original title "*Radicali liberi, ROS, e lipoperossidi, LPO, nel plasma di bambini con trisomia 21*"]. Proceedings 49th National AIPaC Congress. May 11–14, 1999. Naples, Italy. **1999**. P. 31.

Dionisio C, Pozzi D, Lisi A, Santoro N, Grimaldi S. *The Diacron's kit for the monitoring of plasma free radicals: correlation with stress and pathological states* [original title "*Il kit Diacron per il monitoraggio di radicali liberi plasmatici: correlazione a stati di*

stress e patologici]. Report of the Experimental Medicine Institute. National Council of Research. Rome, Italy. **1999**.

Koç H, Aköz M, Gürbilek M, Ak M, Ay M, Gürel A, Çalışkan Ü. *Hiperbilirubinemili yenidoğanlarda fototerapinin serbest radikaller üzerine etkisi*. Genel Tıp Derg. **1999**. 9 (3): 87–91.

Marzatico F. *On the use of d-ROMs test in a pilot study on the effects of a acute and chronic transcutaneous administration of ginkgo biloba* [original title "Utilizzo del d-ROMs test in uno studio pilota sugli effetti di una somministrazione transdermica acuta e cronica di ginkgo biloba"]. **1999**. *CLINICAL REPORT*.

Serra A, Garozzo A, Cocuzza S, D'Amico VA, Carnevale G, Maiolino L. *Role of free radicals and their determination by means of d-ROMs test in Ménière's diseases* [original title "Ruolo dei radicali liberi e loro determinazione mediante d-ROMs test nella malattia di Ménière"]. *Progressi in Audiologia e Vestibologia*. **1999**. 3: 1–2.

Testa. *Effects of a vitamin E-modified membrane on some plasma oxidative stress markers of hemodialyzed patients* [original title "Effetti di un filtro modificato con vitamina E su alcuni marker plasmatici di stress ossidativo in pazienti emodializzati"]. Report of the Hospital of Cremona. Cremona, Italy. **1999**. *CLINICAL REPORT*.

Usberti M, Bufano G, Lima G, Gazzotti RM, Tira P, Gerardi GM, Di Lorenzo D. *Increased red blood cell survival reduces the need of erythropoietin in hemodialyzed patients treated with exogenous glutathione and vitamine E-modified membrane*. *Contrib Nephrol*. **1999**. 127: 208–214.

Vitola NM, Paraggio C, De Luna A, Nigro C. *Dosing of serum free radicals as possibile marker of alcohol abuse* [original title "Il dosaggio dei radicali liberi serici quale possibile marker di abuso alcolico"]. Report of the Laboratory of Radioimmunology. Hospital of Battipaglia, Salerno, Italy. **1999**. *CLINICAL REPORT*.

2000

Alberti A, Bolognini L, Macciantelli D, Carratelli M. *The radical cation of N,N-diethyl-para-phenylenediamine: a possible indicator of oxidative stress in biological samples*. *Res Chem Intermed*. **2000**. 26 (3): 253–267.

Alberti A, Carratelli M, Luca S, Macciantelli D, Terranova R. *On the evaluation of oxidative stress in living organisms*. *Proceedings European Congress "The ageing society"*. October 27–29, 2000. Salsomaggiore Terme, Italy. **2000**.

Allegra C, Bartolo M jr, Sarcinella R. *Evaluation of pharmacological effects of a homeopathic medication in primary tardive lymphoedema of lower extremities by means of microlymphography and free radicals detection* [original title "Valutazione degli effetti farmacologici di un medicamento omeoterapico nei linfedemi primari tardivi degli arti inferiori mediante linfografia e rilevazione dei radicali liberi"]. S. Giovanni Hospital's Clinical Report. Rome, Italy. **2000**. Pp. 1–4 (Named srl Editor, Milan, Italy).

Atabek ME, Oran B, Gültekin F, Karaaslan S. *Acute rheumatic fever (ARA). The role of free oxygen radicals in the etiopathogenesis* [original title "Akut romatizmal ateş (ARA) etyopatogenezinde serbest oksijen radikallerinin rolü"]. Selçuk Üniv. Tıp Fak. Derg. **2000**. 16(3): 175–181.

Buonocore G, Perrone S, Longini M, Terzuoli L, Bracci R. *Total hydroperoxide and advanced oxidation protein products in preterm hypoxic babies*. *Pediatric Research*. **2000**. 47 (2): 221–224.

Cornelli U, Bonina F, Valsasina T, Cornelli M. *Attività antiossidante del Red Orange*. *Progress in Nutrition*. **2000**. 2(1): 1–7.

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *Ageing and free radicals* [original title "Invecchiamento e radicali liberi"]. *Progress in Nutrition*. **2000**. 3: 37–50.

Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *The importance of oxidative stress as a risk factor for morbidity* [original title "Importanza dello stress ossidativo come fattore di rischio per la morbilità"]. *La Medicina Biologica*. **2000**. 1: 13–18.

Cornelli U, Cornelli M, Terranova R, Luca S. *The specific importance of antioxidants in diet supplementation* [original title "L'importanza specifica degli antiossidanti nella supplementazione dietetica"]. *Proceedings 2th SENB Congress*. **2000**. 18–23.

Digiesi V, Fiorillo C, Cosmi L, Rossetti M, Lenuzza M, Guidi D, Pace S, Rizzuti G, Nassi P. *Reactive oxygen species and antioxidant status in essential arterial hypertension during therapy with dihydropyridine calcium channel antagonists*. *Clin Ter* **2000**. 151 (1): 15–18.

Giordano N, Battisti E, Geraci S, Santacroce C, Lucani B, Fortunato M, Mattii G, Gennari C. *Analgesic-antiinflammatory effect of a 100 Hz variable magnetic field in RA*. *Clin Exp Rheumatol*. **2000**. 18 (2): 19–20.

Iorio EL. *Courses of food education in the schools: to eating well – to eating safely* [original title "Corsi

di educazione alimentare nelle scuole: mangiare bene – mangiare sicuro]. Scientific Nutrition Today. **2000**. 2: 17.

Iorio EL. *Mediterranean diet and oxidative stress* [original title "*Dieta mediterranea e stress ossidativo*"]. Proceedings Conference "The Mediterranean Diet". April 7–9, 2000. Salerno, Italy. **2000**. Pp. 4–5.

Kusmic C, Petersen C, Picano E, Busceti C, Parenti G, Laghi Pasini F, Barsacchi R. *Antioxidant effect of oral dipyrimidole during cerebral hypoperfusion with human carotid endarterectomy*. Journal of Cardiovascular Pharmacology. **2000**. 36 (2): 141–145.

Liotti F, Maselli R, De Prisco R, Iorio EL, De Seta C, Sannolo N. *Oxidant agents in work environment and professional bronchopneumopathies* [original title "*Agenti ossidanti in ambiente di lavoro e broncopneumopatie professionali*"]. Proceedings Meeting "Giornate Scientifiche della Facoltà 2000". May 17–19, 2000. Second University of Naples. Naples, Italy. **2000**. Pp. 555–556.

Morisco F, Verde V, Ritieni A, Fogliano V, Tuccillo C, Iasevoli P, Caporaso N. *Changes in the oxidative profile during combination therapy (IFN α -2 β + ribavirin) in chronic hepatitis C*. Journal of Hepatology. **2000**. 32 (Suppl. 2): 175.

Özbay B, Dülger H, Gencer M, Uzun K, Tarakçioğlu M. *Diagnostic value of Reactive Oxygen Metabolites (ROM) in malignant and nonmalignant pleural effusions* [original title "*Malign ve Nonmalign Plevra Sıvılarında Serbest Oksijen Radikallerinin Tanısal Değerleri*"]. Van Tıp Dergisi. **2000**. 7 (3): 102–105.

Palumbo R, Bondanini F, Vitaliano E, Chiaretti B, Galliani M, Tarquini G, Travaglia S, Paone A, Zepponi E. *Hemodialysis and oxidative stress: reactive oxygen metabolites determination* [original title "*Emodialisi e stress ossidativo: determinazione dei derivati dei metaboliti reattivi dell'ossigeno*"]. Giornale Italiano di Nefrologia. **2000**. 17 (3, Special Number): 73.

Palumbo R, Chiaretti B, Bondanini F, Vitaliano E, Tarquini G, Galliani M, Di Blasi S, Paone A. *Chronic renal failure, free radicals, and the oxidant/antioxidant status*. Journal of The American Society of Nephrology. **2000**. 11: 73A.

Palumbo R, Chiaretti B, Vitaliano E, Bondanini F, Galliani M, Tarquini G, Travaglia S, Di Blasi S, Paone A, Zepponi E. *Oxidative stress and chronic renal failure: effects of hemodialysis*. Proceedings 37th Congress of the European Renal Association - European Dialysis and Transplant Association. First combined congress with European Kidney Research As-

sociation. September 17–20, 2000. Nice, France. **2000**. P. 246.

Parmigiani S, Payer C, Massari A, Bussolati G, Bevilacqua G. *Normal values of reactive oxygen metabolites on the cord-blood of full-term infants with a colorimetric method*. Acta Biomed Ateneo Parmense. **2000**. 71 (1–2): 59–64.

Razzano M. *Free radicals and oxidative stress. The laboratory: methods for assessment* [original title "*Radicali liberi e stress ossidativo. Il laboratorio: metodi di valutazione*"]. CAM INFORMA. **2000**. 3: 1–4.

Rizzato G. *Death due to air pollution: role of oxidative stress and protection of an antioxidant aerosol* [original title "*Mortalità da inquinamento atmosferico: ruolo dello stress ossidativo e potere tampone di un aerosol antiossidante*"]. Giornale Italiano delle Malattie Toraciche. **2000**. 54 (3): 204–212.

Tanganelli I, Ciccoli L, Tansi R, Borgogni P, Rossi V, Gistri M, Pettinari O, Signorini C, Marisi M. *Markers of oxidative stress in diabetic patients*. Diabetes Research and Clinical Practice. **2000**. 50 (Suppl 1): S1.

2001

Allegra L, Blasi F, Capone P, Centenni S, Gogo R, Damato S, Patrigni G, Piatti G, Rampolli C, Rizzato G. *Optimisation of N-Acetylcysteine dosage to its mucolytic and antioxidant activities* [original title "*Ottimizzazione dei dosaggi della NAC per l'espressione delle sue proprietà mucoattive ed anti-ossidanti*"]. Giornale Italiano delle Malattie Toraciche. **2001**. 55 (6): 476–484.

Antonicelli R, Testa R, Bonfigli AR, Sirolla C, Pieri C, Marra M, Marcovina SM. *Relationship between lipoprotein(a) levels, oxidative stress, and blood pressure levels in patients with essential hypertension*. Clinical and Experimental Medicine. **2001**. 1 (3): 145–150.

Anzalone GE, Danesi P, Goti P, Melocchi F. *Effect of aerosolised N-Acetylcysteine (NAC) on reactive oxygen metabolites (ROM) in plasma of COPD patients*. Le malattie dell'apparato respiratorio. **2001**. 4: 41–45.

Bamonti F, De Vecchi A, Novembrino C, Buccianti G, De Franceschi M, Baragetti I, Ippolito S, Maiolo AT. *Oxidative stress and homocysteine in patients on chronic dialysis*. Clin Chem Lab Med. **2001**. 39 (Special Supplement): S114.

Bamonti F, Novembrino C, Cighetti G, Annaloro C, Luchesini C, De Franceschi M, Bortone L, Della Volpe A, Ippolito S, Lambertenghi Delilieri G. As-

- assessment of oxidative stress in hemopoietic stem cell transplantation (HSCT)*. *Biochimica Clinica*. **2001**. 25: 60.
- Bamonti F, Novembrino C, Cighetti G, Ippolito S, Lonati S, Maiolo AT. "Juice-Plus" clinical trial 2001 [original title "Trial clinico Juice-Plus 2001"]. **2001**. *CLINICAL REPORT*.
- Bamonti-Catena F, Buccianti G, De Vecchi AF, Novembrino C, Ippolito S, De Franceschi M, Lonati S, Baragetti I, Maiolo AT. *Oxidative stress and chronic renal failure* [original title "Stress ossidativo e uremia"]. In *Aterosclerosi e rene*. Eds Buccianti G, Wichting, Milan (Italy). **2001**. Pp. 29–37.
- Bamonti-Catena F, Cighetti G, Novembrino C, Soresi E, Ippolito S, Lonati S, Maiolo AT. *Oxidative stress in smokers and non-smokers: effects of supplementation*. Proceedings III International congress of the Ageing Society. Rome, Italy. **2001**. P. 93.
- Bamonti-Catena F, Cighetti G, Novembrino C, Soresi E, Ippolito S, Lonati S, Maiolo AT. *Oxidative stress in smoker and non-smokers subjects*. Proceedings ATB 2001. October 3–5, 2001. Milan, Italy. **2001**. P. 33.
- Barletta A, D'Amico MV, Vincelli MR, Venditti D, Scutellà M, Palladino A, Sebastiano C, Vitale C, Puntillo A, Bucci M, Tagliaferri M. *Pre-and post-prandial oxidative stress changes in diabetic patients* [original title "Variazione dello stress ossidativo pre- e post-prandiale in pazienti diabetici"]. *Biochimica Clinica*. **2001**. 25 (2): 140.
- Brambilla G, Fiori M, Archetti LI. *Evaluation of the oxidative stress in growing pigs by microplate assays*. *J Vet Med A*. **2001**. 48: 33–38.
- Capunzo M, Iorio EL, Cavallo P. *Correlation between oxidative stress and plasma lipids levels: results of a preliminary study* [original title "Correlazione fra stress ossidativo e livello di lipidi plasmatici: risultati di uno studio preliminare"]. I Quaderni dell'Università di Salerno. **2001**. 91–102.
- Carratelli M, Porcaro R, Ruscica M, De Simone E, Bertelli AAE, Corsi MM. *Reactive Oxygen Metabolites (ROMs) and prooxidant status in children with Down Syndrome*. *International Journal of Clinical Pharmacology Research*. **2001**. 21 (2): 79–84.
- Cornelli U, Terranova R, Luca S, Cornelli M, Alberti A. *Bioavailability of some food supplementations in men and women using the d-ROMs test as a marker of oxidative stress*. *J Nutr*. **2001**. 131: 3208–3211.
- Cornelli U, Terranova R, Luca S, Di Mauro C, Cornelli M. *Oxidative stress and senile dementia* [original title "Lo stress ossidativo e la demenza senile"]. *La Medicina Biologica*. **2001**. 3: 11–15.
- De Prisco R, Attianese P, Lione D, Balestrieri C, Iorio EL. *Oxidative stress and serum lipids*. Proceedings 10th Congresso Italo-latinoamericano de Etnomedicina. September 23–28, 2001. Isla de Margarita, Venezuela. **2001**.
- Dolci A, Muller MM. *Oxidative stress induced by physical exercise: the biochemical monitoring*. Proceedings Meeting "Medical Laboratory of Physical Exercise and Sports". December 6–7, 2001. Padua, Italy. **2001**. P. 18.
- Fiorito S, Goze C, Adrey J, Magrini L, Goalard C, Bernier P. *Increase in free radicals on UHMWPE hip prostheses components due to inflamed synovial cell products*. *J Biomed Mater Res*. **2001**. 57: 35–40.
- Fracchiolla NS, Bamonti-Catena F, Guggiari E, Novembrino C, Maiolo AT, Lambertenghi-Deliliers G, Cortellezzi A. *Reactive oxygen species (ROMs) are increased in myelodysplastic syndromes*. *Leukemia Research*. **2001**. 25 (Suppl 1): S57–S58.
- Fracchiolla NS, Guggiari E, Maissonneuve P, Bamonti-Catena F, Ippolito S, Novembrino C, Lucherini C, Lambertenghi-Deliliers G, Maiolo AT, Cortellezzi A. *Oxidative stress in myelodysplastic syndromes: increased levels of reactive oxygen metabolites and homocysteine*. *Blood*. **2001**. 98 (11): 271b.
- Incandela L, Belcaro G, Cesarone MR, De Sanctis MT, Griffin M, Cacchio M, Nicolaidis AN, Bucci M, Barsotti A, Martines G, Cornelli U, Di Renzo A. *Oxygen-free radical decrease in hypertensive patients treated with lercanidipine*. *Int Angiol*. **2001**. 20 (2): 136–140.
- Iorio EL, Carratelli M, Quagliuolo L, Caletti G. *Oxidative stress evaluation in athletes*. Proceedings 2nd International Conference on Oxidative Stress and Aging. April 2–5, 2001. Maui, Hawaii (USA). **2001**. P. 60.
- Iorio EL, Carratelli M, Alberti A. *A simple test to monitor the oxidative stress by evaluating total serum hydroperoxides*. Proceedings 2nd International Conference on Oxidative Stress and Aging. April 2–5, 2001. Maui, Hawaii (USA). **2001**. P. 25.
- Iorio EL, Escalona M, De Prisco R, Attianese P, Carratelli M. *Impairment of redox balance in obesity*. Proceedings 10th Congresso Italo-latinoamericano de Etnomedicina. September 23–28, 2001. Isla de Margarita, Venezuela. **2001**.

Ippolito S, Bamonti F, Novembrino C, De Franceschi M, Massaro P, Cortelezzi A, Fracchiolla NS, Ciani A, Maiolo AT. *Homocysteine levels and oxidative stress in myeloproliferative and myelodysplastic syndromes*. Clin Chem Lab Med. **2001**. 39 (Special Supplement): S269.

Ippolito S, Bamonti-Catena F, Novembrino C, Cortelezzi A, Fracchiolla NS, Di Cataldo D, Guggiari E, Ciani A, Maiolo AT. *Oxidative stress in myelodysplastic syndromes*. Biochimica Clinica. **2001**. 25: 61.

Loguercio C, De Girolamo V, de Sio I, Tuccillo C, Ascione A, Baldi F, Budillon G, Cimino L, Di Carlo A, Di Marino MP, Morisco F, Picciotto F, Terracciano L, Secchione R, Verde V, Del Vecchio Blanco C. *Non-alcoholic fatty liver disease in an area of southern Italy: main clinical, histological, and pathophysiological aspects*. Journal of Hepatology. **2001**. 35: 568–574.

Marshall-Manifold T. *Ozone as an oxidant and its influence on free radical activity and antioxidant levels in the human environment in disease and health*. International Ozone Association Medical Conference. 14th-15th September, 2001. **2001**.

Oran B, Atabek E, Karaaslan S, Reislı́ Y, Gültekin F, Erkul Y. *Oxygen free radicals in children with acute rheumatic fever*. Cardiology in the Young. **2001**. 11 (3): 285–288.

Oriani G, Corino C, Pastorelli G, Pantaleo L, Ritieni A, Salvatori G. *Oxidative status of plasma and muscle in rabbits supplemented with dietary vitamin E*. Journal of Nutritional Biochemistry. **2001**. 12: 138–143.

Novembrino C, Bamonti F, Campise MR, Tarantino A, Ippolito S, Ponticelli C, Maiolo AT. *Homocysteine metabolism and oxidative stress after kidney transplantation*. Clin Chem Lab Med. **2001**. 39 (Special Supplement): S115.

Razzano M, Brambilla P, Picozzi I, Gironi A, Giani E. *Assessment of some metabolic and oxidative parameters in athletes during an agonistical season* [original title "Valutazione di alcuni parametri metabolici ed ossidativi in atleti nel corso di una stagione agonistica"]. Biochimica Clinica. **2001**. 25 (2): 139.

Trotti R, Carratelli M, Barbieri M, Micieli G, Bosone D, Rondanelli P, Bo P. *Oxidative stress and thrombophilic condition in alcoholics without severe liver disease*. Haematologica. **2001**. 86: 85–91.

Vassalle C, Lubrano V, Boni C, L'Abbate A, Zucchelli GC. *Evaluation of oxidative stress levels in vivo by means of colourmetric and immunoenzymatic me-*

thods [original title "Valutazione dei livelli di stress ossidativo in vivo mediante metodo colorimetrico ed immunoenzimatico"]. Report of National Council of Research. Institute of Clinic Physiology. Pisa, Italy. **2001**. CLINICAL REPORT.

Vuotto ML, De Seta C, Liotti F, Spatuzzi D, Pezone L, Musto D, Nappo C, Riardo Esposito C, Borrelli I, Sannolo N. *Biomarkers of oxidative damage in workers at risk for professional COPD: preliminary observations* [original title "Biomarcatori di danno ossidativo in lavoratori a rischio di broncopneumopatie croniche ostruttive: osservazioni preliminari"]. **2001**. G Ital Med Lav Erg. 23 (3): 388.

2002

Albertini A, Gerardi GM, Ferrari F, Tira P, Gazzotti RM, Di Lorenzo D. *Application of different methods to evaluate oxidative stress and antioxidant capacity in sera of hemodialyzed patients*. **2002**. CLINICAL REPORT.

Bamonti-Catena F, Cighetti G, Novembrino C, Ippolito S, Lonati S, Soresi E. *Oxidative stress in smokers and non-smokers: effect of an antioxidant supplementation*. Clin Chem Lab Med. **2002**. 40 (Special Supplement): S 180.

Bamonti-Catena F, Ippolito S, Novembrino C, Lorenzano E, Lonati S, Della Noce C, Tonini A, Ingrassano H, Rosina M, Accinni R. *Homocysteinemia and oxidative stress*. **2002**. CLINICAL REPORT.

Bernabucci U, Ronchi B, Lacetera N, Tardone A. *Markers of oxidative status in plasma and erythrocytes of transition dairy cows during hot season*. J Dairy Sci. **2002**. 85: 2173–2179.

Bertino MG, Da Vela G, Della Lena R, Salvatori M, Schiatti R. *A recent analytical test useful to monitor environmental diseases in Paediatrics. Preliminary experience of the Paediatric Hospital Meyer's clinical chemical laboratory* [original title "Un recente test analitico utile alla sorveglianza delle malattie ambientali in pediatria. Esperienza preliminare del laboratorio analisi dell'ospedale pediatrico Meyer"]. Proceedings Convegno "Inquinamento ambientale e problematiche pediatriche. 2002, 20th June. Florence (Italy). **2002**. Pp. 13–14.

Bonina FP, Leotta C, Scalia G, Puglia C, Trombetta D, Trincali G, Roccazzello AM, Rapisarda P, Saija A. *Evaluation of oxidative stress in diabetic patients after supplementation with a standardised red orange complex*. Diab Nutr Metab. **2002**. 15: 14–19.

Bonina F, Puglia C, Saija A, Trombetta D, Vanella A, Russo A, Rapisarsa P, Cornelli U, Trincali G, Insirello E, Ferro M. *Health properties of Sicilia's red oranges: an elisir of Etna volcano* [original title "Proprietà

- salutistiche delle arance rosse di Sicilia: un elisir dell'Etna*]. *L'integratore nutrizionale*. **2002**. 4: 7–15.
- Brambilla G, Civitareale C, Ballerini A, Fiori M, Amadori M, Archetti LI, Regini M, Betti M. *Response to oxidative stress as a welfare parameter in swine*. *Redox Rep*. **2002**. 7 (3): 159–163.
- Buonocore G, Perrone S, Longini M, Vezzosi P, Marzocchi B, Paffetti P, Bracci R. *Oxidative stress in preterm neonates at birth and on the seventh day of life*. *Pediatric Research*. **2002**. 52 (1): 46–49.
- Campise M, Tarantino A, Bamonti F, Novembrino C, Ippolito S, Lonati S, Montanino G, Ponticelli C, Cornelli U. *Oxidative status in kidney transplantation*. **2002**. *MEETING COMMUNICATION*.
- Carlucci F, Tabucchi A, Biagioli B, Simeone F, Scolletta S, Rosi F, Marinello E. *Cardiac surgery: myocardial energy balance, antioxidant status and endothelial function after ischemia-reperfusion*. *Biomed Pharmacother*. **2002**. 56: 483–491.
- Castellini C, Dal Bosco A, Bernardini M. *Effect of dietary α -tocopheryl acetate and ascorbic acid: vitamin content and oxidation status of rabbit semen*. *Reproduction and Reproductive Physiology*. **2002**. 105–109.
- Castellini C, Dal Bosco A, Mugnai C, Bernardini M. *Performance and behavior of chickens with different growing rate reared according to the organic system*. *Ital Anim Sci*. **2002**. 1: 291–300.
- Castellini C, Mugnai C, Dal Bosco A. *Meat quality of three chicken genotypes reared according to the organic system*. *Ital J Food Sci*. **2002**. 4 (14): 401–412.
- Cesarone MR, Incandela L, De Sanctis MT, Belcaro G, Dugall M, Acerbi G. *Variations in plasma free radicals in patients with venous hypertension with HR (Paroven, Venoruton; 0-(beta-hydroxyethyl)-rutosides): a clinical, prospective, placebo-controlled, randomized trial*. *J Cardiovasc Pharmacol Ther*. **2002**. 7 (Suppl 1): S25–S28.
- Cloete PW. *Clinical applications of free radicals*. **2002**. *CASE REPORT*.
- Cloete PW. *The significance of free radicals in clinical practice*. **2002**.
- Cordara R. *"Oxidative status" assessment in clinical practice* [original title "*La valutazione dello stato ossidativo nella pratica clinica*"]. *Biochimica Clinica*. **2002**. 26 (5–6): 415–418.
- Cornelli U, Terranova R, Luca S, Cornelli M, Alberti A. *Bioavailability of some food supplementations in men and women using the d-ROMs test as a marker of oxidative stress* [original title "*Biodisponibilità ed attività antiossidante di alcuni supplementi nutrizionali. Test d-ROMs: marker dello stress ossidativo*"]. *La Medicina Biologica*. **2002**. 2: 35–40.
- Dal Bosco A, Castellini C, Mugnai C. *Rearing rabbits on a wire net floor or straw litter: behavior, growth and meat qualitative traits*. *Livestock Production Science*. **2002**. 75: 149–156.
- De Franceschi M, Cavalca V, Sisillo E, Cighetti G, Salvi L, Alamanni F, Tremoli E. *Oxidative stress in coronary surgery*. *Proceedings 6th International symposium on global risk of coronary heart disease and stroke: assessment, prevention, and treatment*. June 12–15, 2002. Florence, Italy. **2002**.
- De Franceschi M, Cighetti G, Alimento M, Boccotti L, Gregu S, Cavalca V. *Antioxidant capacity in coronary artery disease*. *Proceedings 6th International symposium on global risk of coronary heart disease and stroke: assessment, prevention, and treatment*. June 12–15, 2002. Florence, Italy. **2002**.
- De Franceschi M, Veglia F, Boccotti L, Caiani A, Sisillo E, Salvi L, Ravagnani P, Campodonico J, Tremoli E, Cavalca V. *Glutathione and coronary disease* [original title "*Glutathione e malattia coronarica*"]. *Ital Heart J*. **2002**. 3 (Suppl. 7): C543.
- de Klein OPM. *Cerebrale schade en oxidatieve stress bij coronaire arterie bypass grafting*. *Hogeschool van Utrecht. Klinische Chemie E. Bruinhof*. **2002**.
- Gerardi GM, Usberti M, Martini G, Albertini A, Sugherini L, Pompella A, Di Lorenzo D. *Plasma total antioxidant capacity in hemodialyzed patients and its relationship to other biomarkers of oxidative stress and lipid peroxidation*. *Clin Chem Lab Med*. **2002**. 40 (2): 104–110.
- Iamele L, Fiocchi R, Vernocchi A. *Evaluation of an automated spectrophotometric assay for reactive oxygen metabolites in serum*. *Clin Chem Lab Med*. **2002**. 40 (7): 673–676.
- Iorio EL. *Ageing and oxidative stress* [original title "*Invecchiamento e stress ossidativo. Stop agli insulti del tempo*"]. *Natura e Benessere*. **2002**. 6: 166–170. *POPULAR ARTICLE*.
- Iorio EL, Quagliuolo L, Carratelli M. *The d-ROMs test: a method to monitor oxidative stress in vascular diseases* [original title "*d-ROMs test: metodo di monitoraggio dello stress ossidativo nelle patologie vascolari*"]. *Minerva Cardioangiologica*. **2002**. 50 (6, Suppl. 1): 143–144.

- Ippolito S, Bamonti F, Novembrino C, Campise M, Lonati S, Ponticelli C, Cornelli U. *Oxidative status in kidney transplantation*. *Biochimica Clinica*. **2002**. 3 (26): 304.
- Ippolito S, Bamonti-Catena F, Novembrino C, Campise M, Ponticelli C, Lonati S, Cornelli U. *Oxidative status in kidney transplantation*. *Clin Chem Lab Med*. **2002**. 40 (Special Supplement): S 214.
- Ippolito S, Caruso R, Novembrino C, Bamonti-Catena, Della Noce C, Lorenzano E, Camolo J, Tonini A, Lonati S, Rosina M, Accinni R. *Dislipidemia and oxidative stress*. *Ital J Biochem*. **2002**. 51 (3–4): 129.
- Ippolito S, Lonati S, Novembrino C, Sores E, Bamonti F. *Oxidative status in smokers*. *Biochimica Clinica*. **2002**. 3 (26): 287.
- Ivkovic S, Zabcic D. *Antioxidative therapy: nanotechnology product TMA-ZEOLITE reduces oxidative stress in cancer and diabetic patients*. **2002**. *Free Radical Biology and Medicine*. 33 (Suppl 2).
- Ivkovic S, Zabcic D. *The effect of tribomechanically activated zeolite (TMAZ) on total antioxidant status of healthy individuals and patients with malignant disease*. **2002**. *Free Radical Biology and Medicine*. 33 (Suppl 1).
- Lubrano V, Vassalle C, L'Abbate A, Zucchelli GC. *A new method to evaluate oxidative stress in humans*. *Immuno-analyse and Biologie spécialisée*. **2002**. 17: 172–175.
- Mantovani G, Macciò A, Madeddu C, Mura L, Massa E, Gramignano G, Lusso MR, Murgia V, Camboni P, Ferrelli L. *Reactive oxygen species, antioxidant mechanisms and serum cytokine levels in cancer patients: impact of an antioxidant treatment*. *J Cell Mol Med*. **2002**. 6 (4): 570–582.
- Mariani MM. *The assessment of oxidative stress before, during and after EDTA chelation therapy by means of the d-ROMs test* [original title "Studio dello stress ossidativo tramite d-ROMs test prima durante e dopo terapia chelante con EDTA"]. *Minerva Cardioangiologica*. **2002**. 50 (6, suppl. 1): 138–139.
- Morisco F, Ascione A, Carbone A, De Luise G, Verde V, Caporaso N. *Measure of oxidative stress in patients with chronic hepatitis C undergoing antiviral treatment*. *Digestive and liver disease*. **2002**. 34 (Suppl. 1): A61.
- Morisco F, Fogliano V, Ritteni A, Carbone A, Verde V, Caporaso N. *Serum hydroperoxides in chronic hepatitis C: A predictive parameter of sustained response to combination therapy*. *Digestive and liver disease*. **2002**. 34 (Suppl. 1): A61.
- Morganti P, Bruno C, Guarneri F, Cardillo A, Del Ciotto P, Valenzano F. *Role of topical and nutritional supplement to modify the oxidative stress*. *International Journal of Cosmetic Science*. **2002**. 24: 331–339.
- Mosca L, Marcellini S, Pierluigi M, Mastroiacovo P, Moretti S, Famularo G, Peluso I, Santini G, De Simone C. *Modulation of apoptosis and improved redox metabolism with the use of a new antioxidant formula*. *Biochemical Pharmacology*. **2002**. 63: 1305–1314.
- Novembrino C, Bamonti F, Ippolito S, Lorenzano F, Lonati S, Della Noce C, Tonini A, Accinni R. *A new approach to the risk for cardiovascular diseases* [original title "Nuovo approccio al rischio di patologia cardiovascolare"]. *Biochimica Clinica*. **2002**. 26 (3): 267.
- Novembrino C, De Vecchi A, Ippolito S, Lonati S, Bamonti-Catena F. *Oxidative stress after iron administration to peritoneal dialysis patients*. *Clin Chem Lab Med*. **2002**. 40 (Special Supplement): S 213.
- Oskarbski GV. *Supplementation and possibile integration in cutaneous ageing* [original title "Supplementazione e integrazione possibile nell'invecchiamento cutaneo"]. *Proceedings IV International Congress of the Ageing Society*. **2002**. 138.
- Razzano M, Massaroli C, Cazzaniga S, Cavanna F, Colombo F, Brambilla P. *Association between free radicals and microvascular complications in type 2 diabetes mellitus* [original title "Associazione fra radicali liberi e complicanze microvascolari nel diabete mellito di tipo 2"]. *Il Diabete*. **2002**. 1 (Suppl 1): 49.
- Rekitt M, Hiss S, Sauerwein H. *The effects of feeding antioxidative supplements on haptoglobin (Hp) and serum amyloid A (SAA) serum concentrations in horses*. *Biofocus GmbH, Recklinghausen, Germany and Institute of Physiology, Biochemistry and Hygiene of Domestic Animals, Bonn University, Germany*. **2002**. *CLINICAL REPORT*.
- Scartezzini P et Al. *A natural remedy against free radicals*. *Amrit Kalash Maharishi* [original title "Un rimedio naturale contro i radicali liberi. Amrit Kalash Maharishi"]. *Maharishi Vedic University. Terni, Italy*. **2002**.
- Scartezzini P et Al. *Free radicals in diagnostics* [original title "Radicali liberi nella diagnostica"]. *Maharishi Vedic University. Terni, Italy*. **2002**.

Siciliano G, D'Avino C, Del Corona A, Barsacchi R, Kusmic C, Rocchi A, Pastorini E, Murri L. *Impaired oxidative metabolism and lipid peroxidation in exercising muscle from ALS patients*. Amyotroph Lateral Scler Other Motor Neuron Disord. **2002**. 3 (2): 57–62.

Simonelli F, Zarrilli F, Mazzeo S, Verde V, Romano N, Savoia M, Testa F, Vitale DF, Rinaldi M, Sacchetti L. *Serum oxidative and antioxidant parameters in a group of Italian patients with age-related maculopathy*. Clinica Chimica Acta. **2002**. 320: 111–115.

Squitti R, Lupoi D, Pasqualetti P, Dal Forno G, Vernieri F, Chioyenda P, Rossi L, Cortesi M, Cassetta E, Rossini PM. *Elevation of serum copper levels in Alzheimer's disease*. Neurology. **2002**. 59: 1153–1161.

Squitti R, Rossini PM, Cassetta E, Moffa F, Pasqualetti P, Cortesi M, Colloca A, Rossi L, Finazzi-Agro A. *d-penicillamine reduces serum oxidative stress in Alzheimer's disease patients*. Eur J Clin Invest. **2002**. 32 (1): 51–59.

Trotti R, Carratelli M, Barbieri M. *Performance and clinical application of a new, fast method for the detection of hydroperoxides in serum*. Panminerva Med. **2002**. 44 (1): 37–40.

Usberti M, Gerardi G, Micheli A, Tira P, Bufano G, Gaggia P, Movilli E, Cancarini GC, De Marinis S, D'Avolio G, Broccoli R, Manganoni A, Albertini A, Di Lorenzo D. *Effects of a vitamin E-bonded membrane and of glutathione on anemia and erythropoietin requirements in hemodialysis patients*. J Nephrol. **2002**. 15: 558–564.

Usberti M, Gerardi G, Bufano G, Tira P, Micheli A, Albertini A, Floridi A, Di Lorenzo D, Galli F. *Effects of erythropoietin and vitamin E-modified membrane on plasma oxidative stress markers and anemia of hemodialyzed patients*. Am J Kidney Dis. **2002**. 40(3): 590–599.

Vassalle C, Lubrano V, Carpeggiani C, L'Abbate A, Zucchelli GC. *Assessment of total antioxidant capacity by two different analytical methods*. Report of National Council of Research. Institute of Clinic Physiology. Pisa, Italy. **2002**. CLINICAL REPORT.

Verde V, Fogliano V, Ritieni A, Maiani G, Morisco F, Caporaso N. *Use of N,N-dimethyl-p-phenylenediamine to evaluate the oxidative status of human plasma*. Free Radic Res. **2002**. 36 (8): 869–873.

Verde V, Morisco F, Tuccillo T, Ritieni A, Fogliano V, Caporaso N. *Oxidative Status in chronic hepatitis C during Interferon and ribavirin combined therapy*. Proceedings 1th International Meeting of the HNE-Club. 4-hydroxynonenal and other lipid peroxidation

products. July 13–15, 2002. Salzburg. Austria. **2002**. P. 59.

Verduri A, Del Donno M, Chetta A, Olivieri D. *Free radical of oxygen measurement on capillary blood in healthy smokers, COPD patients and control subjects* [original title "Misurazione dei radicali liberi dell'ossigeno su sangue capillare in fumatori sani, pazienti BPCO e soggetti di controllo"]. Proceedings Congress "Capitolo Italiano Chest". June 20–22, 2002. Naples, Italy. **2002**.

Yao D, Vlessidis AG, Evmiridis NP. *Monitoring reactive oxygen species in vivo using microdialysis sampling and chemiluminescence detection as an alternative global method for determination of total antioxidant capacity*. Analytica Chimica Acta. **2002**. 467: 133–144.

2003

Accinni R, Campolo J, Bernacchi F, Rosina M, Tonini A, Dellanoce C, Caruso R, Gorini M, Capello T, Lonati S, Novembrino C, Ippolito S, Ghersi L, Bamonti F. *Evaluation of thiol redox status in hyperlipidemic patients on lipid-lowering and antioxidant treatment*. Proceedings 15th European Congress of Clinical Chemistry and Laboratory Medicine. June 1–5, 2003. Barcelona, Spain. Monduzzi Eds. **2003**. Pp.169–172.

Accinni R, Campolo J, Bernacchi F, Tonini A, Dellanoce C, Caruso R, Gorini M, Lorenzano E, Rocchi R, Lonati S, Novembrino C, Ippolito S, Grossi S, Bamonti F. *Oxidative stress in dyslipidemia: evaluation of PUFA n-3 effect with addition of vitamin E and gammaoryzanol*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 464.

Accinni R, Campolo J, Bernacchi F, Tonini A, Dellanoce C, Caruso R, Gorini M, Capello T, Lonati S, Novembrino C, Ippolito S, Ghersi L, Rosina M, Bamonti F. *Evaluation of thiol redox status in dyslipidemic patients on lipid-lowering and antioxidant treatment*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 464.

Accinni R, Rosina M, Bernacchi F, Campolo J, Tonini A, Dellanoce C, Caruso R, Gorini M, Lorenzano E, Rocchi R, Lonati S, Novembrino C, Ippolito S, Grossi S, Bamonti F. *Hyperlipidemia and oxidative stress: evaluation of PUFA n-3, vitamin E and γ -oryzanol combination*. Proceedings 15th European Congress of Clinical Chemistry and Laboratory Medicine. June 1–5, 2003. Barcelona, Spain. Monduzzi Eds. **2003**. Pp. 173–176.

Ahrens B. *Oxidativer Stress: Messmethode und Antioxidanzberatung*. Lubeck, Germany. **2003**. PRESS RELEASE.

- Bacci PA. *Controlled clinical evaluation of oxidative stress changes with nutritional alkalinising supplementation* [original title "Valutazione clinica controllata delle variazioni dello stress ossidativo con integrazione alimentare alcalinizzante"]. *Medicina Funzionale*. **2003**. 3: 28–33.
- Bacci PA, Allegra C, Albergati F, Brambilla E, Botta G, Mancini S. *Randomized, placebo-controlled double-blind clinical study of the efficacy of a multifunctional plant complex in the treatment of so-called "cellulite"*. *International Journal Of Cosmetic Surgery And Aesthetic Dermatology*. **2003**. 5 (1): 53–68.
- Ballerini A, Civitareale C, Fiori M, Regini M, Betti M, Brambilla G. *Traceability of inbred and crossbred Cinta Senese Pigs by evaluating the oxidative stress*. *Journal of Veterinary Medicine A*. **2003**. 50 (3): 113.
- Bamonti F, Ippolito S, Novembrino C, Lorenzano E, Lonati S, Della Noce C, Tonini A, Ingrassano H, Rossina M, Accinni R. *Homocysteinemia and oxidative stress in dyslipidemia*. *Clin Chem Lab Med*. **2003**. 41 (Special Supplement): A 19.
- Belcaro G, Cesarone MR, Nicolaidis AN, Geroulakos G, Di Renzo A, Milani M, Ricci A, Brandolini R, Duggall M, Ruffini I, Cornelli U, Griffin M. *Improvement of microcirculation and healing of venous hypertension and ulcers with Crystacide. Evaluation of free radicals, laser Doppler flux and pO₂. A prospective-randomized-controlled study*. *Angiology*. **2003**. 54 (3): 325–330.
- Bertuglia S, Giusti A, Del Soldato P. *Antioxidant activity of a nitro derivative of aspirin against ischemia reperfusion in hamster cheek pouch microcirculation*. *Am J Physiol Gastrointest Liver Physiol*. **2003**.
- Bertuglia S, Giusti A. *Microvascular oxygenation, oxidative stress, NO suppression and superoxide dismutase during postischemic reperfusion*. *Am J Physiol Heart Circ Physiol*. **2003**. 285 (3): H1064–H1071.
- Brambilla G, Ballerini A, Civitareale C, Fiori M, Neri B, Cavallina R, Nardoni A, Riannetti L. *Oxidative stress as a bio-marker of estrogen exposure in healthy veal calves*. *Analytica Chimica Acta*. **2003**. 483: 281–288.
- Buonocore G, Perrone S, Longini M, Paffetti P, Vezzosi P, Gatti MG, Bracci R. *Non protein bound iron as early predictive marker of neonatal brain damage*. *Brain*. **2003**. 126 (5): 1224–1230.
- Campise M, Bamonti F, Novembrino C, Ippolito S, Tarantino A, Cornelli U, Lonati S, Cesana BM, Ponticelli C. *Oxidative stress in kidney transplant patients*. *Transplantation*. **2003**. 76 (10): 1474–1478.
- Castellini C, Boiti C, Dal Bosco A, Lattaioli P, Zampini D. *Effect of the adding of n-3 fatty acids and vitamin E on the characteristics of the semen of rabbits having different ages* [original title "Effet de l'ajout d'acides gras n-3 et de vitamine E sur les caractéristiques de la semence de lapin d'ages différents"]. **2003**. *IN PRESS*.
- Castellini C, Lattaioli P, Dal Bosco A, Minelli A, Mugnai C. *Oxidative status and semen characteristics of rabbit buck as affected by dietary vitamin E, C and n-3 fatty acids*. *Reprod Nutr Dev*. **2003**. 43 (1): 91–103.
- Ceylan E, Dülger H, Uzun K. *Tüberküloz Plörezilerde Plevra Sivİsi Reaktif Oksijen Metabolitlerinin Tanısal Değeri*. *Toraks Derisi*. **2003**. 4 (1): 33–37.
- Christou K, Markoulis N, Moulas AN, Pastaka C, Gourgoulisanis KI. *Reactive Oxygen Metabolites (ROMs) as an Index of Oxidative Stress in Obstructive Sleep Apnea Patients*. *Sleep Breath*. **2003**. 7 (3): 105–110.
- Christou K, Moulas AN, Pastaka C, Gourgoulisanis KI. *Antioxidant capacity in obstructive sleep apnea patients*. *Sleep Medicine*. **2003**. 4: 225–228.
- Dani C, Costantino ML, Martelli E, Corno C, Fiore GB, Buonocore G, Longini M, Di Filippo A, Tozzini S, Rubaltelli FF. *Perfluorocarbons attenuate oxidative lung damage*. *Pediatr Pulmonol*. **2003**. 36 (4): 322–329.
- Dani C, Martelli E, Bestini G, Pezzati M, Filippi L, Rossetti M, Rizzati G, Rubaltelli FF. *Plasma bilirubin level and oxidative stress in preterm infants*. *Arch Dis Child Fetal Neonatal Ed*. **2003**. 88: F119–F123.
- De Prisco R, Veneziano A, Sarno C, Zambardino U, Attianese P. *Tomato San Marzano juice intake lowers the oxidative stress level in humans: a preliminary report*. *ISHS Acta Horticulturae*. **2003**. P. 613.
- Esposito F, Morisco F, Verde V, Ritieni A, Alezio A, Caporaso N, Fogliano V. *Moderate coffee consumption increases plasma glutathione but not homocysteine in healthy subjects*. *Alimentary Pharmacology & Therapeutics*. **2003**. 17 (4): 595–601.
- Flore R, Santoliquido A, Dal Lago A, Pola E, Flex A, Pola R, Gallinella Muzi M, Farinon A, Rulli F, Gaetani E, Tondi P, Gerardino L, Gasbarrini A. *Long saphenous vein stripping reduces local level of reactive oxygen metabolites in patients with varicose disease of the lower limbs*. *World Journal of Surgery*. **2003**. 27 (4): 473–475.

Fracchiolla NS, Bamonti Catena F, Novembrino C, Ippolito S, Maisonneuve P, Cortelezzi A. *Possible association between reactive oxygen metabolites and karyotypic abnormalities in myelodysplastic syndromes*. Haematologica. **2003**. 88: 594–597.

Gritti D, Gasparetto C, Malinverno A, Ricevuti G. *Antioxidant vitamins reduce oxidative stress and ventricular remodeling in patients with acute myocardial infarction* [original title "Le vitamine antiossidanti riducono lo stress ossidativo e il rimodellamento ventricolare nei pazienti con infarto miocardico acuto"]. Proceedings Symposium Il rischio cardiovascolare globale: ruolo della sindrome metabolica. October 4, 2003. Società Italiana per lo Studio dell'Aterosclerosi (SISA). **2003**. Pp. 20.

Gualandri W, Gualandri L, Demartini G, Esposti R, Marthyn P, Volontà S, Stangoni L, Borgonovo M, Fraschini F. *Redox balance in patients with Down's syndrome before and after dietary supplementation with α -lipoic acid and L-cysteine*. Int J Clin Pharm Res. **2003**. 23 (1): 23–30.

Guglielmi FW, Mazzuoli S, Capogna D, Messanelli R, Regano N, Pispisa S, Guglielmi A, Panella C, Francavilla A. *Oxidative stress in inflammatory chronic bowel diseases: assesment by means of "d-ROMs test" in patients with clinical remission* [original title "Lo stress ossidativo nelle malattie infiammatorie croniche intestinali (MICI): valutazione mediante d-ROMs test nei pazienti in remissione clinica"]. Proceedings National Congress of Italian Society of Parenteral Nutrition (SINPE). November, 2003. Milan, Italy. **2003**.

Iorio EL. *Oxidative stress as a health risk factor. The role of environment factors*. [original title "Lo stress ossidativo quale fattore di rischio per la salute. Il ruolo dei fattori ambientali"]. Proceedings Giornate Medico-Chirurgiche Romane "Ambiente: salute o malattia". October 31, 2003. Rome, Italy. **2003**.

Iorio EL. *The antioxidants. What they are. How they work* [original title "Gli antiossidanti. Cosa sono. Come funzionano"]. Natura e Benessere. **2003**: 3. **POPULAR ARTICLE**.

Iorio EL. *The global assesment of oxidative stress* [original title "La valutazione globale dello stress ossidativo"]. Il Patologo Clinico. **2003**. 5/6: 155–159.

Iorio EL, Boccellino M, Balestrieri P, De Prisco, R, Quagliuolo L. *d-ROMs test and oxidative stress assesment*. Rendiconti e Atti della Accademia di Scienze Mediche e Chirurgiche. **2003**. 157: 49–61.

Ippolito S, Ambroso G, Mani AR, Novembrino C, Lonati S, Ponticelli C, Bamonti F. *Evaluation of en-*

dothelial damage risk factors in preeclampsia. J Inherit Metab Dis. **2003**. 26 (Suppl. 1): 44.

Ippolito S, Ambroso G, Mani AR, Novembrino C, Lonati S, Ponticelli C, Bamonti F. *Oxidative and nitrative status in preeclampsia and normal pregnancy*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 301.

Isa L, Mor C, Chignoli MR, Bolzoni P, Fossati S, Galli G, Liverani A, Borgonovo M, Scaglione F, Fraschini F. *Complementary therapy with α -lipoic acid plus L-cysteine in patients with advanced cancers. Preliminary results* [original title "Terapia complementare con acido alfa-lipoico + L-cisteina in pazienti affetti da tumori in fase avanzata. Risultati preliminari"]. **2003**. **CLINICAL REPORT**.

Ivkovic S, Vujaskovic Zeljko, Zabcic D. *Klinische Effekte der neuen antioxidativen Substanz TMAZ (TriboMechanisch Aktivierte Zeolithe)*. **2003**. **CLINICAL REPORT**.

Mantovani G, Maccio A, Madeddu C, Mura L, Gramignano G, Lusso Mr, Murgia V, Camboni P, Ferrelli L, Mocci M, Massa E. *The impact of different antioxidant agents alone or in combination on reactive oxygen species, antioxidant enzymes and cytokines in a series of advanced cancer patients at different sites: correlation with disease progression*. Free Radical Research. **2003**. 37 (2): 213–223.

Mastromatteo A, Labate A, Cappello V, Recupero V, Cruciani F, Senofonte O. *A preliminary survey on the free radical concentration in the serum of patients with advanced cataract* [original title "Indagine preliminare sulla concentrazione dei radicali liberi nel siero di pazienti con cataratta avanzata"]. Oftalmologia Sociale. **2003**. 24 (4): 20–26.

Morisco F, Vitaglione P, Carbone A, Stingo S, Scarpati S, Ascione A, Marmo R, Fogliano V, Caporaso N. *Tomato functional foods as interferon adjuvant in HCV eradication therapy*. Proceedings 2nd Probiotics and prebiotics new foods. September 7– 9, 2003. Università Urbaniana. Rome (Italy). **2003**. Pp. 102–108.

Nappi G, De Luca S, Di Biase P. *Antioxidant action of "S. Pellegrino" mineral water* [original title "Effetto antiossidante dell'acqua minerale 'San Pellegrino'"]. Medicina Clinica e Termale. **2003**. 53–54.

Novembrino C, Berardinelli L, Lonati S, Carini M, Ippolito S, Bamonti F. *Follow-up of homocysteinemia and oxidative status in renal transplant recipients*. J Inherit Metab Dis. **2003**. 26 (Suppl 1): 96.

Novembrino C, Berardinelli L, Lonati S, Carini M, Ippolito S, Bamonti F. *Homocysteinemia and oxidative*

stress in renal transplant recipients. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S 344.

Pironi L, Guidetti M, Zolezzi C, Fasano MC, Paganelli F, Merli C, Bersani G, Pizzoferrato A, Miglioli M. *Peroxidation potential of lipid emulsions after compounding in all-in-one solutions*. Nutrition. **2003**. 19 (9): 784–788.

Raponi G, Alpini D, Volontà S, Capobianco S, Cesarani A. *The role of free radicals and plasmatic antioxidant in Ménière's syndrome*. International Tinnitus Journal. **2003**. 9 (2): 104–108.

Ruffini I, Belcaro G, Cesarone MR, Geroulakos G, Di Renzo A, Milani M, Coen L, Ricci A, Brandolini R, Dugall M, Pomante P, Cornelli U, Acerbi G, Corsi M, Griffin M, Ippolito E, Bavera P. *Evaluation of the local effects of vitamin E (E-Mousse) on free radicals in diabetic microangiopathy: a randomized, controlled trial*. Angiology. **2003**. 54(4): 415–421.

Sciorsci RL, Lacalandra GM, D'Amico P, Minoia R, Rizzo A, Minoia P. *Free radicals evaluation in serum of cows with follicular cysts*. 2003. Proceedings IX World Conference on Animal Production (WCAP). October 26-31, 2003. Porto Alegre (RS), Brazil. **2003**. P. 226.

Sivaram AG, Suresh MV, Indira M. *Combined effect of ascorbic acid and selenium supplementation on alcohol-induced oxidative stress in guinea pigs*. Comparative Biochemistry and Physiology. **2003**. Part C. 134: 397–401.

Squitti R, Pasqualetti P, Cassetta E, Dal Forno G, Cesaretti S, Pedace F, Finazzi-Agrò A, Rossigni PM. *Elevation of serum copper levels discriminates Alzheimer's disease from vascular dementia*. Neurology. **2003**. 60: 1–2.

Tremoli E, Cavalca V, Veglia F, De Franceschi M, Sissillo E, Salvi L, Alimento M, Boccotti L, Folco G, Sala A. *Antioxidant capacity in coronary diseases*. Clin Chem Lab Med. **2003**. 41 (Special Supplement): S450.

2004

Agorasti A, Mourvati E, Midioura T, Martassidou E, Konstantinidou D, Hatzidimitriou H. *Comparison of effect of EVAL and vitamin E-modified membrane on fibrinogen, D-dimers, antithrombin, protein C and oxidative stress in chronic haemodialysis patients*. Proceedings XVIIth International symposium on technological innovations in laboratory haematology. May 13–15, 2004. Barcelona (Spain). **2004**. 242.

Atabek ME, Vatansev H, Erkul I. *Oxidative stress in childhood obesity*. J Pediatr Endocrinol Metab. **2004**. 17 (8): 1063–1068.

Bäckman PAM. *Hyperacusis treatment with a combination of low level laser light, anti-oxidant control and pulsed electromagnetic field – A clinical pilot study*. **2004**. IN PRESS.

Balestrieri ML, De Prisco R, Nicolaus B, Pari P, Schiano Moriello V, Strazzullo G, Iorio EL, Servillo L, Balestrieri C. *Lycopene in association with α -tocopherol or tomato lipophilic extracts enhances acyl-platelet-activating factor biosynthesis in endothelial cells during oxidative stress*. Free Radical Biology & Medicine. **2004**. 36 (8): 1058–1067.

Ballardin M, Barsacchi R, Bodei L, Caraccio N, Cristofani R, Di martino F, Ferdeghini M, Kusmic C, Madeddu G, Monzani F, Rossi AM, Sbrana I, Spanu A, Traino C, Barale R. *Oxidative and genotoxic damage after radio-iodine therapy of Graves' hyperthyroidism*. International Journal of Radiation Biology. **2004**. 80 (3): 209–216.

Bamonti F, Cornelli U, Galimberti D, Guidi I, Lonati S, Novembrino C, Scarpini E, Bresolin N. *Oxidative stress monitoring in patients affected by senile dementia* [original title "Monitoraggio dello stress ossidativo in pazienti affetti da demenza senile"]. La Medicina Biologica. **2004**. 4: 27–32.

Benedetti S, Lamorgese A, Piersantelli M, Pagliarani S, Benvenuti F, Canestrai F. *Oxidative stress and antioxidant status in patients undergoing prolonged exposure to hyperbaric oxygen*. Clinical Biochemistry. **2004**. 37: 312–317.

Bergero D, Miraglia N, Schiavone A, Polidori M, Proia L. *Effect of dietary polyunsaturated fatty acids and vitamin E on serum oxidative status in horses performing very light exercise*. Ital J Anim Sci. **2004**. (3): 141–145.

Bertuglia S, Giusti A, Picano E. *Effects of diagnostic cardiac ultrasound on oxygen free radical production and microvascular perfusion during ischemia reperfusion*. Ultrasound in Med & Biol. **2004**. 30 (4): 549–557.

Bertuglia S, Giusti A. *Influence of ACTH-(1-24) and plasma hyperviscosity on free radical production and capillary perfusion after hemorrhagic shock*. Microcirculation. **2004**. 11 (3): 227–238.

Bertuglia S, Giusti A. *Microvascular oxygenation and oxidative stress during postischemic reperfusion*. Section 3 Physiology -1. S3-3, ISOTT, New York, August 16-21, 2003. **2004**. IN PRESS.

- Brambilla G, Cantafora A. *Metabolic and cardiovascular disorders in highly inbred lines for intensive pig farming: how animal welfare evaluation could improve the basic knowledge of human obesity*. Ann Ist Super Sanità. **2004**. 40 (2): 241–244.
- Carapelli S, Morgante L, Epifanio A, Vanacore N, Mecco G, Marconi R. *Serum hydroperoxides are markers of oxidative stress in the Parkinson's disease* [original title "Gli idroperossidi sierici sono un marker di stress ossidativo nella malattia di Parkinson"]. Proceedings XXXI Congresso Nazionale LIMPE. Comorbilità nel Parkinson, nei parkinsonismi e nelle demenze. Abano Terme (Padua, Italy). **2004**.
- Carratelli M, Iorio EL. *Potential usefulness of oxidative stress in nutrition and food supplementation*. Proceedings IV Greek Congress on Free Radicals and Oxidative Stress. October, 7–10, 2004. Larissa, Greece. **2004**. P. 15.
- Casale GR. *Assessment of solar UV exposure in the Italian population*. PhD Thesis in Biophysics. XIX Cycle (2004-2006). Università "La Sapienza". Rome (Italy). **2004**.
- Castellini C, Mugnai C, Dal Bosco A, Palozzo M, Scuota S. *Behavioural aspects, productive performances and egg quality in chickens reared according to the organic system* [original title "Aspetti comportamentali, prestazioni produttive e qualità dell'uovo in galline allevate con il metodo biologico"]. Avicoltura. **2004**. 3: 41–44.
- Cavalleri A, Colombo C, Venturelli E, Miceli R, Mariani L, Cornelli U, Pala V, Berrino F, Secreto G. *Evaluation of reactive oxygen metabolites in frozen serum samples. Effect of storage and repeated thawing*. Int J Biol Markers. **2004**. 19: 250–253.
- Cogo R, Ramponi A, Motta T. *COPD, pulmonary and systemic disease: dose-dependent efficacy of N-acetylcysteine on the disease evolution. A controlled clinical trial on a female population* [original title "BPCO, patologia polmonare e sistemica: efficacia dose dipendente della n-acetilcisteina sull'evoluzione della malattia. Studio clinico controllato su una popolazione di sesso femminile"]. Riv It Ost Gin. **2004**. 2: 1–11.
- Cornelli U, Belcaro G, Cesarone MR, Cornelli M. *Oxidative stress and related diseases* [original title: *Stress ossidativo e patologie correlate*]. Proceedings www.bambinoprogettosalute.it. 2004, 24th-25th June. Ancona, Italy. **2004**. Pp. 33–38.
- Cornelli U, Cornelli M, Terranova R, Luca S, Belcaro G. *The importance of oxidative stress as a risk factor for morbidity*. La Medicina Biologica. **2004**. 1: 13–18.
- Coyle M. Efficacy assessment of CELLFOOD® by means of d-ROMs test. NuLife Sciences Company. Massachusetts. USA. **2004**. MEETING COMMUNICATION.
- Dal Bosco A, Castellini C, Bianchi L, Mugnai C. *Effect of dietary linolenic acid and vitamin E on the fatty acid composition, storage stability and sensory traits of rabbit meat*. Meat Science. **2004**. 66: 407–413.
- Dani C, Martelli E, Bertini G, Pezzati M, Rossetti M, Buonocore G, Paffetti P, Rubaltelli FF. *Effect of blood transfusions on oxidative stress in preterm infants*. Arch Dis Child Fetal Neonatal Ed. **2004**. 89 (5): F408–F411.
- Dani C, Martelli E, Tronchin M, Buonocore G, Longini M, Di Filippo A, Giossi M, Rubaltelli FF. *Bilirubin influence on oxidative lung damage and surfactant surface tension properties*. Pediatric Pulmonology. **2004**. 38 (3): 179–185.
- Dani C, Masini E, Bertini G, Di Felice AM, Pezzati M, Ciofini S, Rossetti M, Gallori G, Ciuti R, Buonocore G, Paffetti P, Mannaioni PF, Rubaltelli F. *Role of heme oxygenase and bilirubin in oxidative stress in preterm infants*. Pediatric Research. **2004**. 56 (6): 873–877.
- Flore R, Gerardino L, Santoliquido A, Pola R, Flex A, Di Campli C, Pola P, Tondi P. *Enhanced oxidative stress in workers with a standing occupation*. Occupational and Environmental Medicine. **2004**. 61: 548–550.
- Forte G, Bocca B, Senofonte O, Petrucci F, Brusa L, Stanzione P, Zannino S, Violante N, Alimenti A, Sancesario G. *Trace and major elements in whole blood, serum, cerebrospinal fluid and urine of patients with Parkinson's disease*. Journal of Neural Transmission. **2004**. 111 (8): 1031–1040.
- Guglielmi AG. *Cancer related anorexia/cachexia and oxidative stress: an innovative approach beyond current treatment*. **2004**. Research program of Bari University.
- Haffor A-S. *Effects of O₂ breathing on cardiac mitochondrial, GOT and free radical production*. J Med Sci. **2004**. 4 (2): 164–169.
- Haffor A-S. *Obstructive sleep apnea in elevated cardiac output patients: hypercapnea-induced hypoapnea*. J Med Sci. **2004**. 4 (2): 170–175.
- Iorio EL. *d-ROMs test and global assessment of oxidative stress* [original title: "Il d-ROMs test e la valutazione globale dello stress ossidativo"]. Diacron International Eds. Grosseto, Italy. **2004**.

Iorio EL. *d-ROMs test in sport*. Cosmetic News. **2004**. 157: 272–275.

Iorio EL. *Oxidative stress and nutrition*. Proceedings VI Macedonian Nutrition Congress. November 19–21, 2004. Thessaloniki, Greece. **2004**. Pp. 143–144.

Isa L, Mor C, Fossati S, Bolzoni P, Scaglione F, Chignoli MR, Chierogato L, Galli G, Liverani A, Borgonovo M, Frascini F. *Support therapy by means of phyto-complexes with high nutritional content in elderly underwent anticancer chemotherapy: old and news results*. [original title "Terapia di supporto mediante fitocomplessi ad alto contenuto nutrizionale in soggetti anziani sottoposti a chemioterapia antitumorale: risultati vecchi e nuovi"]. **2004**. *CLINICAL REPORT*.

Ivkovic S, Müller-Schubert A. *Oxidativer stress*. In "Oxidativer stress. Risikofactor Nr. 1 für Ihre Gesundheit". Astra H&D GmbH, Schlanstedt. **2004**. 98–131. *Book*.

Mahmood S, Kawanaka M, Kamei A, Izumi A, Nakata K, Niiyama G, Ikeda H, Hanano S, Suehiro M, Togawa K, Yamada G. *Immunohistochemical evaluation of oxidative stress markers in chronic hepatitis C*. *Antioxidants & Redox Signaling*. **2004**. 6 (1): 19–24.

Margaritis I, O'Donovan I. *Oxidative status and the paradox of sport shortening and prolonging life*. Proceedings International Conference on Ageing. Paris. 2004. March, 19. **2004**. P. 39.

Maugeri D, Santangelo A, Bonanno MR, Testai M, Abbate S, Lo Giudice F, Mamazza C, Puglisi N, Panebianco P. *Oxidative stress and aging: studies on an East-Sicilian, ultraoctagenarian population living in institutes or at home*. *Arch Gerontol Geriatr Suppl*. **2004**. 9: 271–277.

Morganti P, Fabrizi G, Bruno C. *Protective effects of oral antioxidants on skin and eye function*. *SKINmed*. **2004**. 3 (6): 310–316.

Morisco F, Verde V, Fogliano V, Ritieni A, Marmo R, De Luise G, Tuccillo C, Caporaso N. *Oxidative status in chronic hepatitis C: the influence of antiviral therapy and prognostic value of serum hydroperoxide assay*. *Free Radic Res*. **2004**. 38 (6): 573–580.

Nishiyama T, Hamano Y, Matsumoto S, Watanabe S, Isshiki J. *Perioperative changes of free radicals utilizing a new hydroperoxide analytical system*. Proceedings 19th Society for Researches on Body Fluid and Metabolism. January 24th, 2004. Tokyo Medical University Hospital. **2004**.

Obayan AOE. *Oxidative stress: natural history and modulation in surgery and trauma patients*. Thesis Submitted to the College of Graduate Studies and Research in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in the Department of Surgery University of Saskatchewan. Saskatoon. **2004**.

Ricci A, Ruffini I, Cesarone MR, Cornelli U, Corsi M, Belcaro G, Ippolito E, Dugall M. *Variations in plasma free radicals with topical aescin + essential phospholipids gel in venous hypertension: new clinical data*. *Angiology*. **2004**. 55 (Suppl 1): S11–S14.

Ridker PM, Brown NJ, Vaughan DE, Harrison DG, Mehta JL. *Established and emerging plasma biomarkers in the prediction of first atherothrombotic events*. *Circulation*. **2004**. 109 (Suppl. IV): IV-6 – IV-19.

Rizzo A, Minoia R, D'Amico P, Sciorsci RL. *Free radicals evaluation in serum and fluid of cows with follicular cysts*. Proceedings 15th International Congress On Animal Reproduction (ICAR). August 8–9, 2004. Porto Seguro, Bahia (Brazil). **2004**.

Salardi S, Zucchini S, Elleri D, Grossi G, Bargossi Am, Gualandi S, Santoni R, Cicognani A, Cacciari E. *High glucose levels induce an increase in membrane antioxidants, in terms of vitamin E and Coenzyme Q₁₀, in children and adolescents with type 1 diabetes*. *Diabetes Care*. **2004**. 27 (2): 630–631.

Secreto G, Colombo C, Venturelli E, Cavalleri A. *Oxidative stress in female patients included in the DIANA (Diet and Androgens) study: dietary education and planning* [original title "Valutazione dello stress ossidativo nelle partecipanti allo studio DIANA (Diet and Androgens): progetto di educazione alimentare e di intervento sulla dieta"]. *La Medicina Biologica*. **2004**. 3: 31–33.

Sukkar SG, Rossi E. *Oxidative stress and nutritional prevention in autoimmune rheumatic diseases*. *Autoimmunity Reviews*. **2004**. 3 (3): 199–206.

Trotti R, Carratelli M, Bo P, Barbieri M, Mangiagalli A, Samuele A, Gabanti E, Blandini F. *Pro-oxidant activity and methionine metabolism in chronic alcohol abusers: relationship to alcohol withdrawal and folate administration*. *Panminerva Med*. **2004**. 46 (3): 161–164.

Tzanakari A, Efthimiadis I, Tavridou A, Efthimiadis Ap, Psirropoulos D, Lefkos N. *The antioxidant action of statins and other antioxidants in dyslipidaemia*. *Hippokratia*. **2004**. 8 (3): 128–132.

Vassalle C, Masini S, Carpeggiani C, L'Abbate A, Boni C, Zucchelli GC. *In vivo total antioxidant capacity: comparison of two different analytical methods*. Clinical Chemistry and Laboratory Medicine. **2004**. 42 (1): 84–89.

Ventura P, Bini A, Panini R, Marri L, Tomasi A, Salvioli G. *Red wine consumption prevents vascular oxidative stress induced by a high-fat meal in healthy volunteers*. Int J Vitam Nutr Res. **2004**. 74 (2): 137–143.

Vondrakova K, Schwendenwein I, van den Hoven, R, Hirt RA. *Evaluation of the automated d-ROMs test for detection of hydroperoxides in exhaled breath condensate of healthy cats*. Journal of Veterinary Internal Medicine. **2004**. 18(3): 439.

2005

Alimonti A, Bocca B, Forte G, Pino A, Ruggirei F. *The Parkinson's disease: biomonitoring of chemical elements and oxidative damage* [original title "Morbo di Parkinson: biomonitoraggio degli elementi chimici e del danno ossidativo"]. Rapporti ISTISAN – 05/23 Istituto Superiore di Sanità. Roma (Italy). **2005** (3): Suppl. 11.

Al-Johany AM, Haffor A-S. *Increased antioxidant and white blood cell counts and decreased free radical production during Mild Heat Stress (MHS) in Uromastix egyptus*. J. Medical Sciences. **2005**. *IN PRESS*.

Bamonti F, Cornelli U, Galimberti D, Guidi I, Lonati S, Novembrino C, Scarpini E, Bresolin N. *Cerebral oxidation and senile dementia* [original title "Ossidazione cerebrale e demenza senile"]. Proceedings of the Congress "Healthy aging". September 30 to October 1st. Spoleto (Italy). **2005**.

Banfi G, Malavazos A, Iorio EL, Dolci A, Doneda L, Verna R, Corsi MM. *Plasma oxidative stress biomarkers, nitric oxide and heat shock protein 70 in trained elite soccer players*. Eur J Appl Physiol. **2006**. 96 (5): 483 – 486.

Begona M, Van Campenhout A, Aerts P, vertommem J, Abrams P, Van Gaal L, Van Gils C, De Leeuw I. *Time course of oxidative stress status in the postprandial and postabsorptive states in type 1 diabetes mellitus: relationship to glucose and lipid changes*. Journal of the American college of nutrition. **2005**. Vol.24, n.6, 474-485.

Bernabucci U, Ronchi B, Lacetera N, Tardone A. *Influence of body condition score on relationships between metabolic status and oxidative stress in periparturient dairy cows*. J Dairy Sci. **2005**. 88 (6): 2017 – 2026.

Bertuglia S, Giusti A. *Role of nitric oxide in capillary perfusion and oxygen delivery regulation during systemic hypoxia*. Am J Physiol Heart Circ Physiol. **2005**. 288 (2): H525–H531.

Bocca B, Forte G, Petrucci F, Pino A, Marchione F, Bomboi G, Senofonte O, Giubilei F, Alimonti A. *Monitoring of chemical elements and oxidative damage in patients affected by Alzheimer's disease*. **2005**. Ann Ist Super Sanità. 41 (2): 197–203.

Bondanini F, Palumbo R, Cocciolillo GC, Fumagalli E, Galliani M, Calabria S, Paone A, Fusco A. *The evaluation of malnutrition-inflammation complex and oxidative stress in haemodialysed patients* [original title "Valutazione del complesso malnutrizione-inflammatione e dello stress ossidativo in soggetti emodializzati"]. Biochimica Clinica. **2005**. 29 (2): 258.

Brambilla G, De Filippis S. *Evaluation of oxidative stress in animals for human nourishment* [original title "Valutazione dello stress ossidativo negli animali da reddito"]. Rapporti ISTISAN. **2005**. 05/40: 100–106.

Calza F, Abeni F, Calamari L, Pirlo G. *Effects of automatic milking system on some plasma parameters related to oxidative status in primiparous dairy cows*. Ital J Anim Sci. **2005**. 4 (Suppl. 2): 209–211.

Campanella L, Bonanni A, Gatta T, Gregori E, Tomassetti M. *Evaluation of the antioxidant properties of various common spices by means of different analytical methods* [original title "Valutazione delle proprietà antiossidanti di numerose specie commerciali per mezzo di diversi metodi analitici"]. Proceedings XIX Congresso di Chimica Analitica, Cagliari (Italy). 2005, 11 – 15 September. **2005**.

Canziani W. *Free radicals, as a killer of youth and health* [original title "Radicali liberi. Killer di giovinezza e salute"]. Antiaging. **2005**. 3: 43–45. *POPULAR ARTICLE*.

Cardini G, Pasquini A, Luchetti E, Marchetti V, Voltini B. *Free radicals oxygen (d-ROMs test) and Biological Antioxidant Potential (BAP test) assessment in serum: dog's reference ranges* [original title "La determinazione dei radicali liberi dell'ossigeno (d-ROMs test) e del potenziale antiossidante biologico (BAP test) nel siero: intervalli di riferimento nella specie canina"]. Proceedings LIX Convegno Nazionale – Società Italiana delle Scienze Veterinarie Viareggio (Italy). 2005, 21 – 24 September. **2005**. 331–332.

Ceylan E, Gulsun A, Gencer M, Aksoy N. *A new parameter in the detection of tuberculosis activity: re-*

- active oxygen metabolites*. *Respiration*. **2005**. 72 (2): 156 – 159.
- Ciancaglini G, Golato M, Pupillo M, De Luca A, Di Sciascio C, Di Cintio L, Turchi C. *Glucose-metabolic balance and oxidative stress in patients with type-2 diabetes: a preliminary study* [original title "Equilibrio glicometabolico e stress ossidativo in pazienti con diabete tipo II: studio preliminare"]. *Italian Journal of Laboratory Medicine*. **2005**. 1 (3): 173.
- Cighetti G, Paroni R, Marzorati S, Borotto E, Giudici R, Magnanini G, Iapichino G. *Evaluation of oxidative stress in serum of critically ill patients by a commercial assay and gas chromatography-mass spectrometry*. *Clin Chem*. **2005**. 51 (8): 1515–1517.
- Cogo R, Pellegrino C, Ripoli RC, Fonte L, Schieppati S, Scivoletto G. *Free radical plasma levels in elderly: influencing factors* [original title "I livelli plasmatici dei radicali liberi nell'anziano: fattori di controllo"]. *G Gerontol*. **2005**. 53: 79–86.
- Colombo C, Muti P, Pala V, Cavalleri A, Venturelli E, Locardi M, Berrino F, Secreto G. *Plant-based diet, serum fatty acid profile, and free radicals in postmenopausal women: the diet and androgens (DIANA) randomized trial*. *Int J Biol Markers*. **2005**. 20 (3): 169 – 176.
- Costantino M, Nappi G, Contaldi E, Lampa E. *Efficiacia della fango balneoterapia sulfurea nella psoriasi: studio clinico-sperimentale*. *Medicina Clinica Termales* **2005**;28:127-1
- Crescentini F. *Cells communicate by a biochemical language but think by an electric-magnetic language* [original title: "Le cellule comunicano con un linguaggio biochimico ma pensano con un linguaggio elettromagnetico"]. *Proceedings I° Convegno Nazionale Società Italiana Biofisica Elettrodinamica. Campi magnetoelettrici. Nuove frontiere per la medicina*. 2005, December 3rd. Bologna (Italy). **2005**. Pp. 26-41.
- Dal Bosco A, Castellini C, Cardinali R. *Effect of dietary administration of rosemary extract on the oxidative stability of pigeon meat*. *Ital J Food Sci*. **2005**. 4 (17): 419–428.
- Daniil Z, Papageorgiou E, Koutsokera A, Papadopoulos D, Kiropoulos T, Kostikas K, Gourgoulianis K. *Plasma level of total hydroperoxide (TH) as a marker of oxidative stress seems to be a useful index of disease severity in patients with idiopathic pulmonary fibrosis (IPF)*. *European Respiratory Journal (ERJ)*. **2005**. S49: 335S.
- De Vecchi AF, Novembrino C, Lonati S, Ippolito S, Bamonti F. *Two different modalities of iron gluconate i.v. administration: effects on iron, oxidative and inflammatory status*. *Nephrology dialysis transplantation*. **2005**. 20 (Suppl. 5): v272.
- Dohi K, Satoh K, Ohtaki H, Shioda S, Miyake Y, Shindo M, Aruga T. *Elevated plasma levels of bilirubin in patients with neurotrauma reflect its pathophysiological role in free radical scavenging*. *In Vivo*. **2005**. 19 (5): 855–860.
- Erba D, Riso P, Bordoni A, Foti F, Biagi PL, Testolin G. *Effectiveness of moderate green tea consumption on antioxidative status and plasma lipid profile in Humans*. *J Nut Biochem*. **2005**. 16 (3): 144–149.
- Forte G, Alimonti A, Pino A, Stanzione P, Brescianini S, Brusa L, Sancesario G, Violante N, Bocca B. *Metals and oxidative stress in patients with Parkinson's disease*. *Ann Ist Super Sanità*. **2005**. 41 (2): 189–195.
- Galimberti D. *The anti-ageing check-up. The age? A relative concept* [original title "Il check-up anti-ageing. L'età? Un concetto relativo?"]. *Antiaging*. **2005**. 1: 18–29. *POPULAR ARTICLE*.
- Gasparetto G, Malinverno A, Culacciati D, Gritti D, Prosperino PG, Specchia G, Ricevuti G. *Antioxidant vitamins reduce oxidative stress and ventricular remodeling in patients with acute myocardial infarction*. *Int J Immunopathol Pharmacol*. **2005**. 18 (3): 487 – 496.
- Gozzo ML, Callà C, Colacicco L, Lipa S, De Sole P, Giardina B, Mormile F. *Markers of oxidative damage in workers of travertine quarries in Italy*. *Biochimica Clinica*. **2005**. 29 (2): 253.
- Guacci L. *Free radicals and antioxidant activity. Now they can be measured* [original title "Radicali liberi e attività antiossidante. Finalmente si possono misurare?"]. *Medical Team Magazine*. **2005**. P. 12. *POPULAR ARTICLE*.
- Guidi I, Cornelli U, Novembrino C, Lonati S, Galimberti D, Scarpini E, Lambertenghi-Deliliers G, Bamonti F. *A new method to discriminate among different memory disorders*. *Proceedings XIX International congress of clinical chemistry IFCC/AACC 2005. Annual Meeting. July 24-28, 2005. Orlando, Florida (USA)*. **2005**. C55.
- Haffor A-S, Al-Hazza I, Al-Himaidi AR. *Effects of hyperoxia on free radicals production*. *J 2nd Saudi Sci Conf*. **2005**. *IN PRESS*.
- Haffor A-S, Al-Johany AM. *Effect of heat stress, hypoxia, hypoxia-hyperoxia on free radical production*

- in mice, Mus Musculus*. J Med Scie. **2005**. 5 (2): 89–94.
- Harsem NK, Braekke K, Staff AC. *Augmented oxidative stress as well as antioxidant capacity in maternal circulation in preeclampsia*. Eur J Obstet Gynecol Reprod Biol. **2006**. 128: 209–215.
- Iorio EL. *Oxidative stress and nutrition* [original title "Stress ossidativo ed alimentazione"]. In "Comunicazione ed educazione alimentare". III Edizione a cura della Centrale del Latte Salerno (Salerno, Italy). **2005**. 13–16.
- Iorio EL. *Oxidative stress, sport trauma and rehabilitation. New proposals for an integrated approach*. Proceedings XIV International Congress on Sports Rehabilitation and Traumatology "The accelerated rehabilitation of the injured athlete". April 9–10th, **2005**. PP 127. Bologna, Italy.
- Iorio EL. *The global evaluation of oxidative stress. The role of the laboratory* [original title "La valutazione globale dello stress ossidativo. Il ruolo del laboratorio"]. Proceedings Congress "Reactive oxygen species: biochemistry, pathology, prevention, laboratory". Palermo, Mondello Palace Hotel. May 25th, 2005. Palermo, Italy. **2005**. P. 27.
- Iorio EL. *Thermal medicine and oxidative stress*. Rev Latinoamer Quim. **2005**. 33 (suplemento especial): 63.
- Iorio EL. *Women manager. The enemy is the stress* [original title "Donne manager. Il pericolo è lo stress"]. Il Denaro. **2005**. 65: 29. INTERVIEW.
- Iorio EL, Balestrieri ML. *d-ROMs test and POX ACT test. Comparison impossible*. Clinical Chemistry Laboratory Medicine. **2005**. 43(4): 457–458.
- Iorio EL, Cinquanta L, Pisano R. *A diagnostic algorithm for the oxidative stress* [original title "Un algoritmo diagnostico per lo stress ossidativo"]. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 137.
- Ippolito S, Cornelli U, Novembrino C, Lonati S, Belletti S, Ciani A, Bamonti F. *Effects of an antioxidant supplementation on patients affected by peripheral arterial occlusive disease: a pilot study*. Clin Chem Lab Med. **2005**. 43(3): A15.
- Lucchi L, Iannone A, Bergamini S, Stipo L, Perrone S, Uggeri S, Gatti V, Ferrari F, Tomasi A, Albertazzi A. *Comparison between hydroperoxides and malondialdehyde as markers of acute oxidative injury during hemodialysis*. Artificial Organs. **2005**. 29: 832–837.
- Manca R, Gunther KG, Rizzo A, Sciorsci RL. *Stress and neonatal diseases in a group of Nilo's Lichi (Kobus megaceros). Observation on a group of animals of Roma's Biopark* [original title "Stress e patologie neonatali di un gruppo di Lichi del Nilo (Kobus megaceros). Osservazioni su un gruppo ospitato presso il Bioparco di Roma"]. Obiettivi e documenti veterinari. **2005**. 1: 43–46.
- Marchetti V, Pasquini A, Luchetti E, Cardini G. *Age-related changes of free radicals oxygen and biological antioxidant potential in dogs* [original title "Radicali liberi dell'ossigeno e potenziale antiossidante biologico nel cane in relazione all'età"]. Proceedings LIX Convegno Nazionale – Società Italiana delle Scienze Veterinarie Viareggio (Italy). 2005, 21 – 24 September. **2005**. 329–330.
- Metelli MR, Bongioanni P, Manzone F, Fulceri F, Puccetti C, Panicucci E, Rossi B, Pietrini P. *Reactive oxygen metabolites (ROMs) in motor neuron disease*. Italian Journal of Laboratory Medicine. **2005**. 1 (3): 137.
- Minucci A, Persichilli S, Rossi C, Spada PL, Diaco ML, Roccarina D, Paladini S, De Sole P. *Plasma concentration of thiol groups and reactive oxygen metabolites* [original title "Contenuto plasmatico dei gruppi tiolici e dei metaboliti reattivi dell'ossigeno"]. Biochimica Clinica. **2005**. 29 (2): 248.
- Moscato L, Beghelli D, Valbonesi A, Sensi M, Mangili PM, Marchi S, Battistacci L. *Effects of vitamin E and Selenium administration on natural immune response and oxidative status in Chianina beef cattle*. Proceedings 4th World Italian Beef Cattle Congress, Italy. 2005, April 29th – May 1st. **2005**. 403–408.
- Nappi G, De Luca S, Baronio L. *Free radical variation with mud-bath therapy by "S. Pellegrino" Thermae (Italy)* [original title "Variazione dei radicali liberi in fangobalneoterapia presso le terme di San Pellegrino"]. Medicina Clinica e Termale. **2005**. 56: 7–18.
- Nonaka T, Fukuda K, Hamanishi C. *Can human plasma redox state be used to monitor the progression of rheumatoid arthritis?* Antioxidants & Redox Signaling. **2005**. 7 (9–10): 1405–1408.
- Novembrino C, Bonara P, Campise M, Frugoni C, Todisco G, Lonati S, Berardinelli L, Bamonti F. *Markers of endothelial damage in kidney transplant: a pilot study*. Biochimica Clinica. **2005**. 29 (2): 198.
- Papageorgiou E, Kostikas K, Kiropoulos, Karetsi E, Mpatavanis G, Gourgoulis KI. *Increased oxidative stress in exudative pleural effusions: a new marker for the differentiation between exudates and transudates?* Chest. **2005**. 128 (5): 3291–3297.

Pasquini A, Luchetti E, Cardini G, Guidi G, Bondi S. *Oxidative status valuation in search and rescue dogs: preliminary results* [original title "La valutazione dello stato ossidativo in cani da ricerca persone travolte dalle macerie: risultati preliminar"]. *Anali Fac Med Vet.* **2005.** LVIII: 327–339.

Pasquini A, Simonetti P, Luchetti E, Bardana C, Cardini G. *The Ginkgo biloba in the diet of ageing dog.* [original title "Il Ginkgo biloba nella dieta del cane anziano"]. *Praxis Veterinaria.* **2005.** 26 (2): 1-10.
Pugliano M, Biondi ML, Vanelli C, Gardellini A, Battaglioli L, Erario M, La Torre A, Turri O, Maioli C, Gerli GC. *Plasma homocysteine and oxydative stress in polycythemia vera and essential thrombocythemia. Effect of folic acid supplementation.* *Haematologica.* **2005.** 90 (S3): 67.

Rizzo A, Trisolini C, Minoia G, Manca R, De Sandro A, Sciorsci RL. *Serum level of reactive oxygen species (ROS) in sheep's peripartum* [original title "Livelli sierici dei ROS (Reactive Oxygen Species) nel parto delle pecore"]. *Proceedings III Congresso Nazionale Ente Nazionale Prevenzione Assistenza Veterinaria (ENPAV). Società Italiana di Riproduzione Animale (SIRA).* 28-30 aprile 2005. Roma (Italy). **2005.** 104–106.

Rosolia A, Di Leo T, Iorio EL, Lipartiti T. *The d-ROMs test automation: analytical performances and clinical applications* [original title "Automazione del d-ROMs test: performance analitiche ed applicazioni cliniche"]. *Italian Journal of Laboratory Medicine.* **2005.** 1 (3): 172.

Sauerwein H, Schmitz S, Hiss St. *The acute phase protein haptoglobin and its relation to oxidative status in piglets undergoing weaning-induced stress.* *Redox Report.* **2005.** 10 (6): 295–302.

Schimke I, Müller J, Dandel M, Gremmels HD, Bayer W, Wallukat B, Wallukat G, Hetzer R. *Reduced oxidative stress in parallel to improved cardiac performance one year after selective removal of anti-beta 1-adrenoreceptor autoantibodies in patients with idiopathic dilated cardiomyopathy: data of a preliminary study.* *J. Clin. Apheresis.* **2005.** 20 (3): 137 - 142

Schmitt-Schillig S. *Untersuchung zu neuroprotektiven Effekten mediterraner Pflanzenextrakte auf oxidative Stress-Parameter in vitro und in vivo.* *Dissertation Zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. phil. nat.) vorgelegt beim Fachbereich Chemische und Pharmazeutische Wissenschaften der Johann Wolfgang Goethe-Universität in Frankfurt am Main.* **2005.**

Squitti R, Pasqualetti P, Dal Forno G, Moffa F, Cassetta E, Lupoi D, Verzieri F, Rossi L, Baldassini M, Rossigni PM. *Excess of serum copper not related to ceruloplasmin in Alzheimer disease.* *Neurology.* **2005.** 64 (6): 1040–1046.

Tsuchiya M, Tosaka M. *There is a gender difference in the relationship between metabolic syndrome and oxidative stress among Japanese.* *Clinical Report.* **2005.** Masako Medical Clinic, Tokuyama, Japan.

Vassalle C, Boni C, Di Cecco P, Zucchelli GC. *Type 2 diabetes and elevated serum hydroperoxide levels in patients with coronary artery disease.* *Biochimica Clinica.* **2005.** 29 (2): 164.

Vassalle C, Landi P, Boni C, Zucchelli GC. *Hydroperoxide levels, as index of oxidative stress, in patients with coronary artery disease.* *Clinica Chimica Acta.* **2005.** 355: S103.

Virgolici B, Mohora M, Stoian I, Lixandru D, Gaman L, Paveliu F. *A comparative oxidative stress study-obesity with and without diabetes mellitus.* *Rom J Intern Med.* **2005.** 43 (3–4): 261–268.

Visconti A, Cotichini R, Cannoni S, Bocca B, Forte G, Ghazaryan A, Santucci S, D'ippolito C, Stazi MA, Salvetti M, Alimonti A, Ristori G. *Concentration of elements in serum of patients affected by multiple sclerosis with first demyelinating episode: a six-month longitudinal follow-up study.* *Ann Ist Super Sanità.* **2005.** 41 (2): 217–222.

Yöntem M, Serdar E, Yerlikaya A, Mehmetoğlu I, Gökçe R, Kaleli S. *Effects of highly consumed dietary oils on several hepatic transaminases and lipid oxidation in chick.* *Ecology of Food and Nutrition.* **2005.** 44 (4): 295-305(11)

Anonymous. *On the trace of free radicals in a easy and reliable mode* [original title "Sulle tracce dei radicali liberi in modo rapido e affidabile"]. *Cenesthesia.* **2005.** 14–15. *POPULAR ARTICLE.*

2006

Accinni R, Rosina M, Bamonti F, Della Noce C, Tonini A, Bernacchi F, Campolo J, Caruso R, Novembrino C, Ghersi L, Lonati S, Grossi S, Ippolito S, Lorenzano E, Ciani A, Gorini M. *Effects of combined dietary supplementation on oxidative and inflammatory status in dyslipidemic subjects.* *Nutrition, Metabolism & Cardiovascular Diseases.* **2006.** 16: 121–127.

Al-Delaimy WK, Jansen EH, Peeters PH, van der Laan JD, van Noord PA, Boshuizen HC, van der Schouw YT, Jenab M, Ferrari P, Bueno-de-Mesquita HB. *Reliability of biomarkers of iron status, blood lipids, oxidative stress, vitamin D, C-reactive protein*

- and fructosamine in two Dutch cohorts. *Biomarkers*. **2006**. 11(4): 370–382.
- Bamonti-Catena F, Fracchiolla N, Turrini M, Novembrino C, Lonati S, Lambertenghi Delilieri G. *Oxidative status parameters can help predict severity of infectious complications in hematologic patients*. *Clin Chem Lab Med*. **2006**. 44 (8): A36.
- Banfi G, Malavazos A, Iorio EL, Dolci A, Doneda L, Verna R, Corsi MM. *The iron-o-dianisidine/xylenol orange assay in comparative oxidative stress assessment. Some possible shortcomings*. *Eur J Appl Physiol*. **2006**. 96 (5): 506 – 508.
- Bertuglia S, Veronese FM, Pasut G. *Polyethylene glycol and a novel developed polyethylene glycol-nitric oxide normalize arteriolar response and oxidative stress in ischemia-reperfusion*. *Am J Physiol Heart Circ Physiol*. **2006**. 291: H1536-H1544.
- Carratelli M, Iorio EL, Bianchi L. *Methods to measure the oxidative stress [original title "Metodi di misurazione dello stress ossidativo"]*. *ADI Magazine*. **2006**. 4 (10): 405 – 414.
- Cases N, Sureda A, Maestre I, Tauler P, Aguilo A, Cordova A, Roche E, Tur JA, Pons A. *Response of antioxidant defences to oxidative stress induced by prolonged exercise: antioxidant enzyme gene expression in lymphocytes*. *Eur J Appl Physiol*. **2006**. 98: 263–269.
- Cavalca V, Sigillo E, Veglia F, Tremoli E, Cighetti G, Salvi L, Sola A, Mussoni L, Biglioli P, Folco G, Sala A, Parolari A. *Isoprostanes and oxidative stress in off-pump and on-pump coronary bypass surgery*. *Ann Thorac Surg*. **2006**. 81 (2): 562 – 567.
- Cella G, Marchetti M, Vignoli A, Randi ML, Saggiolato G, Pasetto L, Pagnan A, Barbui T, Falanga A. *Blood oxidative status and selectins plasma levels in healthy donors receiving granulocyte-colony stimulating factor*. *Leukemia*. **2006**. 20 (8): 1430–1434.
- Colombo C, Muti P, Pala V, Cavalleri A, Venturelli E, Locardi M, Berrino F, Secreto G. *Plant-based diet, serum fatty acid profile, and free radicals in postmenopausal women: the diet and androgens (DIANA) randomized trial*. *Int J Biol Markers*. **2006**. 61–63. *REPLY OF AUTHORS*.
- Cornelli U, Belcaro G, Cesarone MR, Cornelli M, Ledda A. *Polyglucosamine – The action on oxidised lipids and dyslipidemias [original title "Poliglucosamina – Azione su lipidi ossidati e dislipidemie"]*. *La Medicina Biologica*. **2006**. 1: 3–7.
- Cornelli U, Belcaro G, Cesarone MR, Cornelli M, Ledda A. *Polyglucosamine - action on oxidised lipids and dyslipidemias*. *Physiologic Regulating Medicine*. **2006**. 1: 25–29.
- Corsi MM, Pagani D, Iorio EL, Dogliotti G, Verna R, Sambataro G, Pignataro L. *Blood reactive oxygen metabolites (ROMs) and total antioxidant status (TAS) in patients with laryngeal squamous cell carcinoma after surgical treatment*. *Clin Chem Lab Med*. **2006**. 44(8): 1047–1048.
- Costantini D, Casagrande S, De Filippis S, Brambilla G, Fanfani A, Tagliavini J, Dell’Omo G. *Correlates of oxidative stress in wild kestrel nestlings (Falco tinnunculus)*. *J Comp Physiol [B]*. **2006**. 176(4):329–337.
- Costantini D, Dell’Omo G. *Effects of T-cell-mediated immune response on avian oxidative stress*. *Comp Biochem Physiol A Mol Integr Physiol*. **2006**. 145(1): 137–142.
- Costantini D, Dell’Omo G. *Environmental and genetic components of oxidative stress in wild kestrel nestlings (Falco tinnunculus)*. *J Comp Physiol [B]*. **2006**. 176(6): 575–579.
- Cova E, Bongioanni P, Cereda C, Galli A, Corato M, Rossi B, Ceroni M. *Decreased levels of reactive oxygen species, SOD1 expression and activity in peripheral tissues of sporadic amyotrophic lateral sclerosis patients*. *Amyotrophic Lateral Sclerosis*. **2006**. 7 (Suppl 1): 161.
- Danesi F, Malaguti M, Nunzio MD, Maranesi M, Biagi PL, Bordoni A. *Counteraction of adriamycin-induced oxidative damage in rat heart by selenium dietary supplementation*. *J Agric Food Chem*. **2006**. 54 (4): 1203 – 1208.
- Di Marco P, Priori A, Petochi T, Massari A, Mandich A, Finoia MG, Marino G. *Physiological and oxidative stress responses in sea bass Dicentrarchus Labrax exposed to environmental hypercapnia*. *Proceedings EAS*. **2006**.
- Di Trana A, Celi P, Claps S, Fedele V, Rubino R. *The effect of hot season and nutrition on the oxidative status and metabolic profile in dairy goats during mid lactation*. *Animal Science*. **2006**. 82: 717–722.
- Endo S, Mori T, Yoneki Y, Tokudome G, Hosoya T, Ito S. *High salt intake attenuates antihypertensive action of angiotensin II receptor blockade with induction of renal oxidative stress*. *The Journal of the Federation of American Societies for Experimental Biology (FASEB)*. **2006**. 20: A755.
- Gencer M, Ceylan E, Aksoy N, Uzun K. *Association of serum reactive oxygen metabolite levels with different histopathological types of lung cancer*. *Respiration*. **2006**. 73: 520–524.

- Giaretta R, Ronzani G, Meneghini G. *Oxidative stress, breast cancer, tamoxifen* [original title "Stress ossidativo, cancro alla mammella, tamoxifene"]. ADI Magazine. **2006**. 4 (10): 419 – 420.
- Guidi I, Galimberti D, Lonati S, Novembrino C, Barmonti F, Tirittico M, Fenoglio C, Venturelli E, Baron P, Bresolin N, Scarpini E. *Oxidative imbalance in patients with mild cognitive impairment and Alzheimer's disease*. Neurobiol Aging. **2006**. 27 (2): 262 – 269.
- Han SY, Chang EJ, Choi HJ, Nam SI, Lee NH, Kwak CS, Park SB, Kim HC, Mun KC. *Total antioxidant status and oxygen free radicals during hepatic regeneration*. Transplantation Proceedings. **2006**. 38: 2214–2215.
- Harsem NK, Staff AC. *Are d-ROM and FRAP tests suitable assays for detecting the oxidative status?* European Journal of Obstetrics & Gynecology and Reproductive Biology. **2006**. 127: 272.
- Hirokado Y, Nagata K, Aoyama Y, Kiyama K, Okano K, Hasegawa. *Prohomeostatic effects of acupuncture*. 2006. International Congress Series. **2006**. 1287: 107–110. 11.
- Hong Ji-Y, Sato Ef, Kira Y, Nishikawa M, Shimada K, Inoue M. *Curcuma aromatica inhibits diabetic nephropathy in the rat*. Journal of Food Science. **2006**. 71 (9): S626–S632.
- Iorio EL. *Hypoxia, free radicals and antioxidants. The "Deutrosulfazyme®" paradox*. Hypoxia Medical J. **2006**. 1-2: 32.
- Iorio EL. *Oxidative stress and ageing: diagnosis, causes, effects, and treatments* [original title "Stress ossidativo e invecchiamento: diagnosi, cause, effetti, terapie"]. Proceedings "Giornate Siciliane di Medicina Estetica". Palermo (Italy). **2006**, March 17th-19th. Pp. 10-11.
- Iorio EL. *Oxidative stress assessment in Animals. Actuality and perspectives* [original title "La valutazione dello stress ossidativo negli animali. Attualità e prospettive"]. Proceedings "67° Convegno Nazionale Unione Zoologica Italiana". Napoli (Italy). **2006**, September 12nd-15th. Pp. 28.
- Iorio EL, Bianchi L, Storti A. *Deutrosulfazyme®: a powerful antioxidant* [original title "Deutrosulfazyme®: un potente antiossidante"]. La Medicina Estetica. **2006**. 30 (1): 115 – 116.
- Iorio EL, Carratelli M, D'Amicantonio T. *Oxidative stress and diseases* [original title "Stress ossidativo e malattia"]. ADI Magazine. **2006**. 4 (10): 399 – 404.
- Iorio EL, Cinquanta L, Pisano R. *A diagnostic algorithm to manage oxidative stress*. Australasian J Cosmet Surg. **2006**. 2 (1) : 26-30.
- Iorio EL, D'Amicantonio T. *The oxidative stress in Odontology. From the basic research to the clinical practice* [original title "Lo stress ossidativo in odontoiatria. Dalla ricerca di base alla pratica clinica"]. Proceedings III Congresso ANMCO. **2006**. Rome, October, 13.
- Kakita H, Hussein Mh, Daoud Ga, Kato T, Murai H, Sugiura T, Mizuno K, Yamada Y, Ito T, Fukuda S, Kato I, Suzuki S, Togar H. *Total hydroperoxide and biological antioxidant potentials in a neonatal sepsis model*. Pediatric Research. **2006**. 60 (6): 675–679.
- Komatsu F, Kagawa Y, Sakuma M, Kawabata T, Kaneko Y, Otgontuya D, Chimedregzen U, Naran-tuya L, Purvee B. *Investigation of oxidative stress and dietary habits in Mongolian people, compared to Japanese people*. Nutrition & Metabolism. **2006**. 3: 21–39.
- Kongoji J, Yamami N, Togawa S, Suzuki N, Yamamoto K, Mano Y. *Indexes of oxidative stress during HBO treatment*. **2006**. Proceedings Undersea and Hyperbaric Medical Society. Scientific Meeting & Associates/BNA. Annual Scientific Meeting. 22-24 June 2006. Orlando, Florida (USA). **2006**. P 112.
- Lacetera N, Bernabucci U, Scalia D, Basirico L, Morera P, Nardone A. *Heat stress elicits different responses in peripheral blood mononuclear cells from brown swiss and holstein cows*. J. Dairy Sci. **2006**. 89: 4606–4612.
- Markoulis N, Gourgoulisanis KI, Moulas A, Gerogianni E, Molyvdas AP. *Reactive oxygen metabolites as an index of chronic obstructive pulmonary disease severity*. Panminerva Med. **2006**. 48(4): 209–213.
- Nagata K, Hasegawa T, Kiyama K, Aoyama Y, Okano K, Hirokado Y. *A therapy for fibromyalgia syndrome using Yi-Gan San*. Journal of Japanese Association of Oriental Psychosomatic Medicine. **2006**. 21 (1-2): 46–47.
- Nagata K, Kasuya N, Hayashi H. *Oxidative stress and anti-oxidant potential of the students complaining chronic fatigue*. Campus Health. **2006**. 43 (2): 83-88.
- Papageorgiou E, Kostikas K, Kiropoulos, Karetsi E, Mpatavanis G, Gourgoulisanis KI. *Increased oxidative stress in exudative pleural effusions: a new marker for the differentiation between exudates and tran-*

- sudates?* Chest. **2006**. 130: 1276–1277. *REPLY OF AUTHORS*.
- Pasquini A. *Free radicals in working-dogs* [original title "*I radicali liberi nei cani da lavoro*"]. Il Bracco Italiano. **2006**. 2: 9. *POPULAR ARTICLE*.
- Pasquini A, Luchetti E, Cardini G. *Oxidative stress and recovery of hunting dogs* [original title: "*Stress ossidativo e tempi di recupero nel cane da caccia*"]. Annali Fac Med Vet. **2006**. LIX: 229–235.
- Pece A, Marchetti M, Pallotti R. *The free radicals* [original title: "*I radicali liberi*"]. SOOFT Italia Ed. **2006**. *Book*.
- Pedernera M, Salvin H, Celi P, Garcia Sc, Barchia I, Fulkerson Wj. *Oxidative stress and its association with milk production and energy balance in early lactating cows on pasture-based systems*. **2006**.
- Pedernera-Romano M, Salvin H, Celi P, Garcia Sc, Horadagoda A, Barchia I, Fulkerson Wj. *Oxidative stress in early lactating cows fed to produce 6000 or 9000L milk/lactation in pasture-based system: preliminary results*. **2006**.
- Porkert M, Sher S, Alexopoulos E, Pedersen MF, Terry JB, Narlow K, Reddy U, Ziegler TR, Dunbar SB, Jones DP, Harrison D, Taylor WR, Sutcliffe D, Hooper C, Wayne Alexander R, Quyyumi AA. *Effects of mediterranean diet or supplements on circulating endothelial progenitor cells in obesity*. JACC. **2006**. 345A.
- Reid M, Badaloo A, Forrester T, Jahoor F. *In vivo rates of erythrocyte glutathione synthesis in adults with sickle cell disease*. Am J Physiol Endocrinol Metab. **2006**. 291: E73-E79.
- Rossi GP, Maiolino G, Zanchetta M, Sticchi D, Pedon L, Cesari M, Montemurro D, De Toni R, Zavattiero S, Pessina AC. *The T-786C endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients*. J Am Coll Cardiol. **2006**. 48 (6): 1166–1174.
- Rubolini D, Romano M, Bonisoli Alquati A, Saino N. *Early maternal, genetic and environmental components of antioxidant protection, morphology and immunity of yellow-legged gull (Larus michahellis) chicks*. Journal Compilation. European Society for Evolutionary Biology. **2006**. 19: 1571–1584.
- Ruskovska T, Dimovska J, Georgieva B, Nikolovski A. *Influence of lovastatin and combined antioxidant therapy on oxidative status parameters*. Free Radical Research. **2006**. 40 (S1): S117.
- Sakagami H, Asano K, Satoh K, Takahashi K, Terakubo S, Shoji Y, Nakashima H, Nakamura W. *Anti-stress activity of mulberry juice in mice*. In Vivo. **2006**. 20 (4): 499–504.
- Sukkar SG, Rossi E, Ragni G, Ferrari C, Abate F. *The antioxidants in onco-hematology* [original title "*Antiossidanti in oncoematologia*"]. ADI Magazine. **2006**. 4 (10): 415 – 418.
- Suzuki S, Ota H, Kiuchi Y, Nemoto T, Kobayashi K, Matsukura S, Dohi K, Aruga T. *Serum levels of reactive oxygen metabolites as indicators of oxidative stress in acute mountain sickness*. Journal of the Showa Medical Association. **2006**. 66 (4): 291–297.
- Suzuki YJ, Jain V, Park A-M, Day RM. *Oxidative stress and oxidant signalling in obstructive sleep apnea and associated cardiovascular diseases*. Free Radic Biol Med. **2006**. 40 (10): 1683–1692.
- Tavridou A, Efthimiadis A, Efthimiadis I, Paschalidou H. *Antioxidant effects of simvastatin in primary and secondary prevention of coronary heart disease*. Eur J Clin Pharmacol. **2006**. 62 (6): 485–489.
- Tejero JF. *Preventive psychotherapy. Anxiety and stress* [Original title "*Psicoterapia Preventiva. Ansiedad-Estrés*"]. Thesis Master en Psicología Clínica y de la Salud Curso 2 (Codigo PC2BAFSO 06). **2006**.
- van Oostrom AJHMM, Plokker HWM, van Asbeck BS, Rabelink TJ, van Kessek KPM, Jansen EHJM, Stehouwer CDA, Castro Cabezas M. *Effects of rosuvastatin on postprandial leukocytes in mildly hyperlipidemic patients with premature coronary sclerosis*. Atherosclerosis. **2006**. 185 (2): 331–339.
- Vassalle C, Boni C, Di Cecco P, Landi P. *Elevated hydroperoxide levels as a prognostic predictor of mortality in a cohort of patients with cardiovascular disease*. Int J Cardiol. **2006**. 110(3): 415–416.
- Vassalle C, Boni C, Di Cecco P, Ndreu R, Zucchelli GC. *Automation and validation of a fast method for the assessment of in vivo oxidative stress levels*. Clin Chem Lab Med. **2006**. 44(11): 1372–1375.
- Veglia F, Cighetti G, De Franceschi M, Zingaro L, Boccotti L, Tremoli E, Cavalca V. *Age- and gender-related oxidative status determined in healthy subjects by means of OXY-SCORE, a potential new comprehensive index*. Biomarkers. **2006**. 11 (6): 562–573.
- Yamami N, Nakayama H, Kongoji J, Togawa S, Nozawa T, Yagishita K, Shibayama M, Nakayama T, Suzuki N, Yamamoto K, Kawashima M, Mano Y. *Free radicals and antioxidant potential in scuba divers*. Proceedings Undersea and Hyperbaric Medical Society. Scientific Meeting & Associates/BNA. Annu-

al Scientific Meeting. 22-24 June 2006. Orlando, Florida (USA). **2006**. P 98–99.

Yamanaka G, Kawashima H, Suganami Y, Watanabe C, Watanabe Y, Miyajima T, Takekuma K, Oguchi S, Hoshika A. *Diagnostic and predictive value of CSF d-ROM level in influenza virus-associated encephalopathy*. J Neurol Sci. **2006**.

2007

Alhazza IM, Haffor ASA. *Effect of lead toxicity on free radical production in rats*. J Med Sci. **2007**. 7(5): 901–904.

Bagni M, Civitareale C, Priori A, Ballerini A, Finoia M, Brambilla G, Marino G. *Pre-slaughter crowding stress and killing procedures affecting quality and welfare in sea bass (*Dicentrarchus labrax*) and sea bream (*Sparus aurata*)*. Aquaculture. **2007**. 263: 52–60.

Belcaro G, Cesarone MR, Errichi BM, Di Renzo A, Errichi S, Ricci A, Gizzi G, Dugall M, Cacchio M, Ruffini I, Fano F, Vinciguerra G, Grossi MG. *Improvement of microcirculation and healing of venous hypertension and ulcers with Crystacide: evaluation with a microcirculatory model, including free radicals, laser doppler flux, and PO₂/PCO₂ measurements*. Angiology. **2007**. 58(3): 323–328.

Bellometti S. *Diagnosis and prevention of oxidative stress damage* [original title: "Diagnosi e prevenzione del danno da stress ossidativo"]. Medicina Naturale. **2007**. 48-52. *Popular article*.

Benedetti S, Pagliarani S, Benvenuti F, Marini D, Galli T, Oliva F, Lazzari P, Canestrari F. *Antioxidative effects of sulphurous water from Macerata Feltria thermal resort in patients with osteoarthritis*. Progress in nutrition. **2007**. 9 (1): 1–7.

Berhe N, Halvorsen BI, Gundersen Te, Myrvang B, Gundersen Sg, Blomhoff R. *Reduced serum concentrations of retinol and α -tocopherol and high concentrations of hydroperoxides are associated with community levels of *S. mansoni* infection and schistosomal periportal fibrosis in Ethiopian school children*. Am J Trop Med Hyg. **2007**. 76 (5): 943–949.

Bonanni A, Campanella L, Gatta T, Gregori E, Tomassetti M. *Evaluation of the antioxidant and prooxidant properties of several commercial dry spices by different analytical methods*. Food Chemistry. **2007**. 102(3): 751–758.

Bordoni A, Danesi F, Malaguti M, Di Nunzio M, Pasqui F, Maranesi M, Biagi PL. *Dietary Selenium for the counteraction of oxidative damage: fortified foods or supplements? British Journal of Nutrition*. **2007**. Doi: 10.1017/S0007114507793911.

Burke NC. *Assessment of redox markers in cattle*. Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of Master of Science in Biomedical and Veterinary Sciences. **2007**.

Carletti M, Cantiello M, Giantin M, Nebbia C, Cannizzo FT, Bollo E, Da casto M. *Serum antioxidant enzyme activities and oxidative stress parameters as possible biomarkers of exposure in veal calves illegally treated with dexamethasone*. Toxicology in Vitro. **2007**. 21: 277–283.

Cavallini M, Iorio EL. *Effect of training and antioxidant supplementation on oxidative balance in martial arts*. Journal of Molecular and Clinical Pathology. **2007**. 2: 14-15.

Christou K, Kostikas K, Pastaka C, Tanou K, Antoniadou I, Gourgoulis KI. *Nasal continuous positive airway pressure treatment reduces systemic oxidative stress in patients with severe obstructive sleep apnoea syndrome*. Sleep Med. **2007**. [December; Epub ahead of print; PMID: 18077211].

Cornelli U. *Antioxidants*. In Textbook of interventional cardiovascular pharmacology. Eds Kipshidze NN, Fareed J, Moses JW, Serruys PW. Informa Health Care. **2007**. 211–239.

Cornelli U, Iorio EL. *The antioxidants. Therapeutic and diagnostic aspects* [original title: "Antiossidanti. Aspetti terapeutici e diagnostici"]. Guna Ed. **2007**. *Book*.

Cornelli U. *Oxidation and antioxidant. Scientific basis of physiological regulating medicine*. Seminar at Loyola University Chicago. **2007**. 1-17.

Costantini D, Cardinale M, Carere C. *Oxidative damage and anti-oxidant capacity in two migratory bird species at a stop-over site*. Comparative Biochemistry and Physiology. Part C. **2007**. 144: 363–371.

Costantini D, Casagrande S, Dell'Omo G. *MF magnitude does not affect body condition, pro-oxidants and anti-oxidants in Eurasian kestrel (*Falco tinnunculus*) nestlings*. Environ Res. **2007**. 104(3): 361–366.

Costantini D, Coluzza C, Fanfani A, Dell'Omo G. *Effects of carotenoid supplementation on colour expression, oxidative stress and body mass in rehabilitated captive adult kestrels (*Falco tinnunculus*)*. J Comp Physiol [B]. **2007**. 177(7): 723–731.

Costantini D, Fanfani A, Dell'Omo G. *Carotenoid availability does not limit the capability of nestling*

- kestrels (Falco tinnunculus) to cope with oxidative stress*. The Journal of Experimental Biology. **2007**. 210: 1238–1244.
- Costantino M, Contaldi E, Di Capua M, Lampa E. *Antioxidant capacity of hydropinotherapy with sulphuric mineral water* [original title "Capacità antiossidante dell'idropinoterapia con acqua minerale sulfurea"]. REPORT Centro Ricerche e Studi Termali (Ce.Ri.S.T.). **2007**.
- Costantino M, Giacomelli A, Nappi G. *Cave thermal therapy, antioxidant effect and osteoarthritis* [original title "Antroterapia naturale caldo-umida, stress ossidativo ed osteoartrosi"]. REPORT Centro Ricerche e Studi Termali (Ce.Ri.S.T.). **2007**.
- Costantino M, Norel X, Brink C, Nappi G, Lampa E, Rossi F, Filippelli A. *Sulphur mud-bath therapy in treatment of osteoarthritis: possible antioxidant role*. Proceedings MEETING GREMI 2007. OXIDATIVE STRESS & INFLAMMATION. 2007, January 26. Pasteur Institute. Paris, France. **2007**. Pp. 14. A8.
- Davis L, Stonehouse W, Loots DT, Mukuddem-Petersen J, van der Westhuizen FH, Hanekom SM, Jerling JC. *The effects of high walnut and cashew nut diets on the antioxidant status of subjects with metabolic syndrome*. Eur J Nutr. **2007**. 46: 155–164.
- De Bernardi Di Valserra M, Iorio EL, Tripodi S, Pedroni F, Dogliotti G, Galliera E, Corsi MM. *Peripheral arterial occlusive disease and CO₂ balneotherapy: effect on free radicals release (ROMs) and total antioxidant status (TAS)*. Journal of Molecular and Clinical Pathology. **2007**. 4: 27–31.
- De Vecchi AF, Novembrino C, Lonati S, Ippolito S, Bamonti F. *Two different modalities of iron gluconate i.v. administration: effects on iron, oxidative and inflammatory status in peritoneal dialysis patients*. Nephrology Dialysis Transplantation. **2007**. 22(6): 1709–1713.
- Dohi K, Satoh K, Nakamachi T, Yofu S, Hiratsuka K, Nakamura S, Ohtaki H, Yoshikawa T, Shioda S, Aruga T. *Does Edaravone (MCI-186) act as an antioxidant and a neuroprotector in experimental traumatic brain injury?* Antioxid. Redox Signal. **2007**. 8: 281–287.
- Ezaki S, Kurishima C, Suzuki K, Kondo T, Tamura M. *Resuscitation of preterm infants with reduced concentration of inspired oxygen*. Proceedings 11th Annual Congress Perinatal Society of Australia and New Zealand (PSANZ 2007). 2007. April, 1–4. Melbourne Convention Centre. Melbourne, Victoria (Australia). **2007**.
- Flore R, Gerardino L, Santoliquido A, Catananti C, Pola P, Tondi P. *Reduction of oxidative stress by compression stockings in standing workers*. Occup Med (Lond). **2007**. 57 (5): 337–341.
- Foschino Barbaro MP, Carpagnano GE, Spanevello A, Cagnazzo MG, Barnes PJ. *Inflammation, oxidative stress and systemic effects in mild chronic obstructive pulmonary disease*. Int J Immunopathol Pharmacol. **2007**. 20 (4): 753–763.
- Frank R, Shinhan-Kumpfmüller K, Puttinger J, Reitingner A. *Wirkung von Honig auf das Immunsystem und die Gesundheit*. Ernährung & Medizin. **2007**. 22: 1–7.
- Fujiwara T, Nakabayashi M, Goto M, Koyama S, Fujimoto A, Kugu K, Yano T, Tsutsumi O, Taketani Y, Okamoto T. *Preliminary study on action of coenzyme Q₁₀ in female reproductive system*. Proceedings 5th Conference of the International Coenzyme Q₁₀ Association. 2007. November 9 to 12. Kobe Gakuin University at Port Island. Kobe, Japan. **2007**. JP-039 (1–2).
- Giganti MG, Iorio EL, Verna R, Zenobi R. *Oxidative balance in scuba divers*. Journal of Molecular and Clinical Pathology. **2007**. 3: 101.
- Hadjiyannacos D, Metaxaki P, Sideris V, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long term effect on inflammation and oxidative stress*. Vi322. SaP267. **2007**. UNKNOWN CONGRESS.
- Haffor ASA. *Effects of gram-negative bacteria, E. coli and cold exposure on free radicals production, lactate dehydrogenase and glutathione peroxidase activity in the lungs of rats, Rattus norvegicus*. Saudi Journal of Biological Sciences. **2007**. 14 (2): 177–183.
- Hansen JM, Moriarty-Craige S, Jones DP. *Mitochondrial thioredoxin-2 overexpression inhibits oxidative damage in aged mice*. The Toxicologist. Supplement to Toxicological Sciences. **2007**. 96 (1): 40.
- Hasegawa T. *Oxidative stress and antioxidant potential in Japanese females with hypotension*. Proceedings 19th World Congress of Psychosomatic Medicine. Québec City (Québec) Canada. 2007. August 26–31. **2007**. P 30.
- Hayashi I, Morishita Y, Imai K, Nakamura M, Nakachi K, Hayashi T. *High-throughput spectrophotometric assay of reactive oxygen species in serum*. Mutation Research. **2007**. 631: 55–61.
- Hussein MH, Daoud GA, Kakita H, Hattori A, Murai H, Yasuda M, Mizuno K, Goto K, Ozaki Y, Ito T,

- Tanaka T, Fukuda S., Kato I, Fujimoto S, Suzuki S, Sobajima H, Togari H. *The sex differences of cerebrospinal fluid levels of interleukin 8 and antioxidants in asphyxiated newborns*. Shock. **2007**. 28 (2): 154–159.
- Iorio EL. *Oxidative balance and nutritional supplementation in chronic and degenerative disorders* [original title: "Bilancio ossidativo ed integrazione nutrizionale nelle patologie cronico-degenerative"]. Proceedings 3° Congresso Internazionale Nutrizione e malattie cronico-degenerative. 2007, June 2nd and 3rd, Ponzano Veneto (TV), Italy. **2007**. 34–39.
- Iorio EL. *Oxidative stress and ageing* [original title "Stress ossidativo e senescenza"]. In "Il manifesto della lunga vita. La rivoluzione della medicina predittiva. Marandola P, Marotta F. Sperling and Kupfer. **2007**. 318–322. Book.
- Iorio EL. *Oxidative stress and sport* [original title: "Stress ossidativo e sport"]. European Journal of Health, Sport and Nutrition. **2007**. 1: 102–103.
- Iorio EL, D'Amicantonio T, Nardi GM. *Nutrition and oxidative stress. From biochemistry to the clinical practice* [original title: "Alimentazione e stress ossidativo. Dalla biochimica alla pratica clinica"]. ADI MAGAZINE. **2007**. 92–97.
- Iorio EL, Ferreri C, Cozzolino R, Manara S, Ferreri R. *Plasma total oxidant status and erythrocyte plasmamembrane lipidomics. A promising synergy in the molecular diagnostics of anti-aging*. Proceedings 9th International Congress of Aesthetic Medicine. 2007, October 11th–13th Milan, Italy. **2007**. Pp. 145.
- Karlsen A, Retterstøl L, Laak P, Kjølrsrud-Bøhna S, Sandvikd L, Blomhoffa R. *Effects of a daily intake of one glass of red wine on biomarkers of antioxidant status, oxidative stress and inflammation in healthy adults*. European e-Journal of Clinical Nutrition and Metabolism. **2007**. 2: e127–e133.
- Kettawan A, Kunthida C, Okuno M, Takahashi T, Kongkachuichai R, Sungpuag P, Kishi T, Okamoto T. *Protective effects of Coenzyme Q₁₀ against oxidative stress induced by aerobic exercise*. Proceedings 5th Conference of the International Coenzyme Q₁₀ Association. 2007. November, 9–12. Kobe Gakuin University at Port Island. Kobe, Japan. **2007**. J12-044 (1–2).
- Kim SH, Hur HY, Lee KH, Moon JY, Chae KY. *Correlation of serum total hydroperoxide levels and diseases of prematurity*. Korean Journal of Pediatrics. **2007**. 50(8): 746–752.
- Komatsu F, Kudoh H, Kagawa Y. *Evaluation of oxidative stress and effectiveness of low-dose glucocorticoid therapy on exacerbation of chronic obstructive pulmonary disease*. Journal of Gerontology. **2007**. 62A (4): 459–464.
- Kongoji J, Yamami N, Togawa S, Yagishita K, Mano Y. *The evaluation of oxidative stress and antioxidant status following repeated hyperbaric oxygen in patients with decompression illness*. Proceedings Undersea and Hyperbaric Medical Society. Annual Scientific Meeting. 14-16 June 2007. Ritz-Carlton Kapalua, Maui, Hawaii (USA). **2007**. P 129.
- Koutsokera A, Daniil Z, Papaioannou AI, Kiropoulos T, Katsabeki A, Kerenidi T, Gourgouljanis KI. *Oxidative stress in patients with pulmonary sarcoidosis: the role of systemic corticosteroids*. Proceedings Annual Congress of European Respiratory Society. Stockholm, Sweden. 2007, September 15-19. **2007**. P773.
- Lunardi MG. *The youth recipe* [original title. "La ricetta della giovinezza"]. L'erborista. **2007**. 1: 46-49. Popular article.
- Mancinelli R, Giordano R, Ciprotti M, Costantini S, Senofonte O, D'Ilio S, Vargas M, Attilia ML, Ceccanti M. *Oxidative stress and protective factors (vit B₁, Zn, Se) in male and female alcoholics*. Alcohol and Alcoholism. **2007**. 42(Supplement 1): i57–i60.
- Mancinelli R, Giordano R, Ciprotti M, Costantini S, Senofonte O, D'Ilio S, Vargas M, Attilia ML, Ceccanti M. *Oxidative stress and protective factors (Vit B₁, Zn, Se) in male and female alcoholics*. Proceedings of 11th Congress of the European Society for Biomedical Research on Alcoholism (ESBRA). 2007, September 23–26. Berlin, Germany. **2007**. i60.
- Maruoka H, Komaki K, Inoue K. *Effects of muscle stress on oxidative stress*. J Phys Ther Sci. **2007**. 19: 273–276.
- Melillo G, Iorio EL, Giuliano F, Balzano, Melillo EM. *Oxidative stress in patients with chronic obstructive pulmonary disease: validation of a new photometric test (exhalation test) for the measurement of hydrogen peroxide in exhaled breath condensate*. Rassegna di Patologia dell'Apparato Respiratorio. **2007**. 22: 98-104.
- Nakayama K, Terawaki H, Nakayama M, Iwabuchi M, Sato T, Ito S. *Reduction of serum antioxidative capacity during haemodialysis*. Clin Exp Nephrol. **2007**. 11: 218–224.
- Neuman RB, Bloom HL, Shukrullah I, Darrow LA, Kleinbaum D, Jones DP, Dudley SC Jr. *Oxidative stress markers are associated with persistent atrial*

fibrillation. Clinical Chemistry. **2007**. 53 (9): 1652–1657.

Novembrino C, Lonati S, Pedrazzini E, Vigna L, Bordini L, Leoni E. *Oxidative status and homocysteine metabolism in obese subjects*. Clin Chem Lab Med. **2007**. 45 (Special Supplement): S152.

Nozawa Y, Ishizaki T, Kuroda M, Noguchi T. *Consumption of dried-bonito broth acutely increases peripheral blood flow in humans*. Journal of Health Science. **2007**. 53 (3): 339–343.

Nozawa Y, Ishizaki T, Kuroda M, Takahashi K, Ebihara S, Itoh T. *Ingestion of dried-bonito broth ameliorates blood fluidity in humans*. Journal of Health Science. **2007**. 53 (5): 543–551.

Palleschi S, De Angelis S, Diana L, Rossi B, Papa V, Severini G, Splendiani G. *Reliability of oxidative stress biomarkers in hemodialysis patients: a comparative study*. Clin Chem Lab Med. **2007**. 45 (9): 1211–1218.

Pasquini A, Luchetti E, Ariti G, Nardoni S, Cardini G. *Leishmaniasis and oxidative status in a hunting dog breeding* [original title "Leishmaniosi e stato ossidativo in un allevamento di cani da caccia"]. Annali Fac Med Vet. **2007**. LX :235-239.

Pereska Z, Dejanova B, Bozinovska C, Petkovska L. *Prooxidative/antioxidative homeostasis in heroin addiction and detoxification*. Bratisl Lek Listy. **2007**. 108 (9): 393–398.

Rizzo A, Minoia G, Trisolini C, Manca R, Sciorsci RL. *Concentrations of free radicals and beta-endorphins in repeat breeder cows*. Animal Reproduction Science. **2007**. 100: 257–263.

Samouilidou E, Grapsa E, Karpouza A, Lagouranis A. *Reactive oxygen metabolites: a link between oxidative stress and inflammation in patients on hemodialysis*. Blood Purif. **2007**. 25 (2): 175–178.

Satoh T, Yamakage M, Satoh J, Namiki A. *Effect of aging on preoperative oxidative stress*. Masui. **2007**. 56 (12): 1422–1424.

Valenti L, Valenti G, Como G, Burdick L, Santarelli G, Dongiovanni P, Rametta R, Bamonti F, Novembrino C, Fracanzani AL, Messa PG, Fargion S. *HFE gene mutations and oxidative stress influence serum ferritin, associated with vascular damage, in hemodialysis patients*. Am J Nephrol. **2007**. 27:101–107.

Wollanke B. *Evaluierung von Stressparametern beim Pferd im Zusammenhang mit dem Klinikaufenthalt*. Inaugural-Dissertation zur Erlangung der tiermedizinischen Doktorwürde der Tierärztlichen Fakultät der Ludwig-Maximilians-Universität München. **2007**.

Yamakage M, Satoh T, Satoh JI, Namiki A. *Anesthesiology, Sapporo Medical Univ. Sch. of Med., Sapporo, Hokkaido, Japan. Effects of Aging and Gender on the Preoperative Oxidative Stress*. Anesthesiology. **2007**. 107: A1836.

Vassalle C, Landi P, Boni C, Zucchelli G. *Oxidative stress evaluated using an automated method for hydroperoxide estimation in patients with coronary artery disease*. Clin Chem Lab Med. **2007**. 45 (3): 367–371.

Vassalle C, Maffei S, Boni C, Zucchelli GC. *Gender-related differences in oxidative stress levels among elderly patients with coronary artery disease*. Fertility and Sterility. **2007**. Doi: 10.1016/j.fertnstert.2007.03.052.

Vitaglione P, Fogliano V, Stingo S, Scalfi L, Caporaso N, Morisco F. *Development of a tomato-based food for special medical purposes as therapy adjuvant for patients with HCV infection*. European Journal of Clinical Nutrition. **2007**. 61: 906–915.

Yamami N, Yagishita K, Togawa S, Kongoji J, Nakayama H, Shibayama M, Suzuki N, Yamamoto K, Nozawa T, Kawashima M, Mano Y. *Changes of serum free radicals and antioxidant potential in rebreather divers*. Proceedings Undersea and Hyperbaric Medical Society. Annual Scientific Meeting. 14–16 June 2007. Ritz-Carlton Kapalua, Maui, Hawaii (USA). **2007**. P 137.

Zenobi R, Verna R, Giganti MG. *IL-6, TNF- α and reactive oxygen metabolites in amateur athletes*. Journal of Molecular and Clinical Pathology. **2007**. 3: 103.

Zenobi R, Verna R, Giganti MG. *Inflammatory cytokines and oxidative stress: parameters to evaluate the physical status during sport activity*. Biochimica Clinica. **2007**. 31 (5): 484.

2008

Ambrosetti U, Gualandri V. *Inquadramento clinico, chirurgico e riabilitativo della persona con Sindrome di Down*. Omega Edizioni. **2008**: 261-290.

Basini G, Bussolati S, Santini SE, Grasselli F. *Reactive oxygen species and anti-oxidant defences in swine follicular fluids*. Reproduction, Fertility and Development. **2008**. 20(2) 269–274.

Bertone M, Rizzo M, Assorgi R, Muscatello A, Crisostomi S, De Blasis E, Di Giacinto B, Spataro A, Iorio EL. *Plasma oxidant and antioxidant capacity at rest, after exercise-induced dehydration, and after rehydration with an antioxidant drink in elite rowers*. Med Sport. **2008**. 61: 487–495.

- Bin-Jaliah I. *Comparison of glutathione peroxidase activity and free radicals production in the lungs and the brain of rats during graded hyperoxia*. J Med Sci. **2008**. 8(1): 54–61.
- Campanella L, Gregari E, Marini F, Tomassetti M. *Biosensors, colorimetric tests and chemometrics to check antioxidant and prooxidant properties of several animal feeds*. J Food Agriculture Environment (JFAE). **2008**. 6(3/4): 326–332.
- Cazzola R, Rondanelli M, Trotti R, Camerotto C, Cestaro B. *Oxidative state and lipid composition of plasma from overweight and moderately obese women*. Mediterr J Nutr Metab. **2008**. 1: 19–24.
- Celi P, Di Trana A, Quaranta A. *Metabolic profile and oxidative status in goats during the peripartum period*. Australian Journal of Experimental Agriculture. **2008**. 48(7): 1004–1008.
- Celi P, Sullivan M, Evans D. *The stability of the reactive oxygen metabolites (d-ROMs) and biological antioxidant potential (BAP) tests on stored horse blood*. The Veterinary Journal. **2008**. Doi:10.1016/j.tvjl.2008.09.018.
- Cesarone MR, Di Renzo A, Erpichi S, Schönlaui F, Wilmer JL, Blumenfeld J. *Improvement in circulation and in cardiovascular risk factors with a proprietary isotonic bioflavonoid formula OPC-3™*. Angiology. **2008**. 59(4): 408–414.
- Cornelli U. *Innovative concepts in the oxidative stress field: the physiologic modulators* [original title "Concetti innovativi nel settore dello stress ossidativo: i modulatori fisiologici"]. ACSA Magazine. **2008**.
- Costantini D, Carere C, Caramaschi D, Koolhaas JM. *Aggressive and non-aggressive personalities differ in oxidative status in selected lines of mice (Mus musculus)*. Biol Lett. **2008**. 4(1): 119–122.
- Costantini D, Dell'Ariccia G, Lipp HP. *Long flights and age affect oxidative status of homing pigeons (Columba livia)*. J Exp Biol. **2008**. 211 (Pt 3): 377–381.
- Costantini D, Fanfani A, Dell'Omo G. *Effects of corticosteroids on oxidative damage and circulating carotenoids in captive adult kestrels (Falco tinnunculus)*. J Comp Physiol B. **2008**. DOI 10.1007/s00360-008-0270.
- Costantini D. *Oxidative stress in ecology and evolution: lessons from avian studies*. Ecology Letters. **2008**. 11: 1–14.
- Costantino M, Filippelli A. *Efficacy of thermal therapy in osteoarthritis* [original title "Efficacia della terapia termale nell'osteoartrosi."]. Eur Med Phys. **2008**. 44(Suppl. 1 to No. 3): 1–3.
- D'Aiuto F, Nibali L, Parkar M, Suvan J, Iorio EI, Donos N. *Oxidative stress and severe periodontitis*. Proceedings of Pan European Federation of the International Association for Dental Research Congress. September 10-12, 2008. London, United Kingdom. **2008**. 0274.
- Daniil ZD, Papageorgiou E, Koutsokera A, Kostikas K, Kiropoulos T, Papaioannou AI, Gourgoulialis KI. *Serum levels of oxidative stress as a marker of disease severity in idiopathic pulmonary fibrosis*. Pulm Pharmacol Ther. **2008**. 21(1): 26–31.
- De Martino D. *Nutrition and feeding in exercise. Real need and abuse*. [Original title "Nutrizione e alimentazione nella pratica sportiva"]. Fabbisogni reali ed abusi. Salutare. **2008**. 24. Popular article.
- Di Marco P, Priori A, Finoia MG, Petochi T, Marino G, Lemarié G, Alexis M, Alberti A, Macciantelli D. *Plasma total oxidant/antioxidant status in Dicentrarchus labrax after exposure to experimental hypoxia, hyperoxia and hypercapnia*. Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology. **2008**. 151(1, Suppl 1): S15.
- du Plessis LH, van der Westhuizen FH, Kotzé HF. *The protective effect of plasma antioxidants during ozone autohemotherapy*. African Journal of Biotechnology. **2008**. 7(14): 2472–2477.
- Ezaki S, Ito T, Suzuki K, Tamura M. *Association between total antioxidant capacity in breast milk and postnatal age in days in premature infants*. J Clin Biochem Nutr. **2008**. 42: 133–137.
- Ferenci P, Scherzer T-M, Kerschner H, Rutter K, Beinhardt S, Hofer H, Schoniger-Hekele M, Holzmann H, Steindl-Munda P. *Silibinin is a potent antiviral agent in chronic hepatitis C not responding to antiviral combination therapy*. Proceedings 43rd Annual Meeting of the European Association For The Study Of The Liver (EASL). April 23-27, 2008 Milan, Italy. **2008**.
- Filiopoulos V, Hadjiyannakos D, Metaxaki P, Sideris V, Takouli L, Anogiati A, Vlassopoulos D. *Inflammation and oxidative stress in patients on hemodiafiltration*. Am J Nephrol. **2008**. 28: 949–957.
- Francavilla G, Parisi G, Quattrocchi A, Francavilla V.C, Rosa M, Cicero A, Ingallina F, Caruso A, Puc-cione G, Mastromauro R, Fatuzzo G, Rosa A. *Riduzione dello stress ossidativo e dei radicali liberi, verificata con metodica FRAS mediante l'uso della pe-*

- dana Vibropower. *Acta Medica Mediterranea*, **2008**, 24-93
- Fujimoto H, Katayama K, Hayashi T, Kimura K, Yano T. *Effect of electroacupuncture on exercise-induced oxidative stress*. *Zen Nippon Shinkyu Gakkai Zasshi* (Journal of the Japan Society of Acupuncture and Moxibustion: JJSAM). **2008**. 58(2): 203–212.
- Hisamitsu N, Hlaing T, Guo S, Ishikawa S, Hisamitsu T. *The effect of small island stress on the blood fluidity and reactive oxygen metabolites level in rats*. **2008**. 3P-H-175.
- Iorio EL. *The laboratory in oxidative stress study* [original title "El laboratorio en el estudio del estrés oxidativo"]. Consejo General de Colegios Oficiales de Farmacéuticos. Plan Nacional de Formación Continuada. Análisis Clínicos II. Modulo II. **2008**. 1–28.
- Irie K, Tomofuji T, Tamaki N, Sanbe T, Ekuni D, Azuma T, Maruyama T, Yamamoto T. *Effects of ethanol consumption on periodontal inflammation in rats*. *J Dent Res*. **2008**. 87(5): 456–460.
- Kamezaki F, Yamashita K, Kubara T, Suzuki Y, Tanaka S, Kouzuma R, Okazaki M, Tasaki O, Otuji Y. *Derivatives of reactive oxygen metabolites correlates with high-sensitivity C-Reactive Protein*. *J Atheroscl Thromb*. **2008** 15(4): 206–212.
- Katsabeki-Katsafli A, Kerenidi T, Kostikas K, Daveleris E, Kiropoulos TS, Gogou E, Papaioannou AI, Gourgoulianis KI. *Serum vascular endothelial growth factor is related to systemic oxidative stress in patients with lung cancer*. *Lung Cancer*. **2008**. Doi:10.1016/j.lungcan.2007.10.006.
- Kawashima H, Ioi H, Ishii C, Hasegawa Y, Amaha M, Kashiwagi Y, Takekuma K, Hoshika A, Watanabe Y. *Viral loads of cerebrospinal fluid in infants with enterovirus meningitis*. *J Clin Lab Anal*. **2008**. 22: 216 219.
- Keretetse GS, Laubscher PJ, Du Plessis JL, Pretorius PJ, Van Der Westhuizen FH, Van Deventer E, Van Dyk E, Eloff FC, Van Aarde MN, Du Plessis LH. *DNA damage and repair detected by the comet assay in lymphocytes of African petrol attendants: a pilot study*. *Annals of Occupational Hygiene*. **2008**. 52(7): 653–662.
- Kodama H, Shinohara H, Nukazuka A, Narita Y, Yoshida M. *Implications of an oxidative stress marker, serum hydroxiperoxide concentration, in the medical checkup of pregnant women at around 30 weeks of gestation*. *Japanese Journal of Maternal Health*. **2008**. 49(1): 98–106.
- Komilus CF. *Effect of vegetable oils on growth performance and quality of red sea bream Pagrus major*. Thesis submitted in the partial fulfilment of the requirements for the degree of Doctor of Philosophy. Major Subject: Aquatic Animal Nutrition. The United Graduate School of Agricultural Sciences. Kagoshima University, Faculty of Fisheries. Kagoshima, JAPAN. September **2008**.
- Kotani K, Sakane N, Tsuzaki K, Matsuoka Y, Sano Y, Hamada T, Yamada K. *Lyfestyles and oxidative stress in type 2 diabetic patients*. *The Scandinavian Journal of Clinical & Laboratory Investigation*. **2008**: iFirst Article: 1–3.
- Lubrano V, Ballardini M, Di Cecco P, Longo V, Paolini M, Scarpato R. *Evaluation of coronary artery disease predisposition in cigarette smokers*. *Ligand Assay*. **2008**. 13(2): 146.
- Maeda YU, Oh K, Asano K, Hisamitsu T. *Suppressive activity of risedronate on the oxidative stress responses observed in rats with adjuvant arthritis*. *Japanese Pharmacology and Therapeutics*. **2008**. 36-37: 605–611.
- Mandas A, Congiu MG, Balestrieri C, Mereu A, Iorio EL. *Nutritional status and oxidative stress in an elderly Sardinian population*. *Mediterr J Nutr Metab*. **2008**. DOI 10.1007/s12349-008-0016-1.
- Manna F. *New frontiers in the organism homeostasis regeneration* [original title "Nuove frontiere nella rigenerazione dell'omeostasi dell'organismo"]. *Medicina Naturale*. **2008**. November.
- Melzi d'Eril GV, Barassi A, Colpi GM, Piediferro G, Dogliotti G, Corsi MM. *Oxidative stress and antioxidant status in patients with erectile dysfunction*. *RIMeL/IJLaM*. **2008**. 4 (Suppl). 170.
- Mutinati M, Spedicato M, Manca R, Trisolini C, Minoia G, Rizzo A, Sciorsci RL. *Influence of antibiotic therapy on serum levels of reactive oxygen species in ovariectomized bitches*. *J Vet Pharmacol Ther*. **2008**. 31 (1): 18–21.
- Nagata K, Hasegawa T, Hirokado Y, Kiyama K, Otsuki C. *Lifestyle-related diseases and the oxidative stress regulation system*. *Jpn J Psychosom Med*. **2008**. 48: 177–183.
- Okazaki M, Iwata N, Horiuchi S, Kamiuchi S, Suzuki F, Iizuka H, Hibino Y. *Protective effects of a water-soluble extract from culture medium of ganoderma lucidum mycelia against neuronal damage after hypoxia-ischemia in mice*. *Japanese Journal (?)*. **2008**. 6: 153–162.

- Pansini F, Cervellati C, Guariento A, Stacchini MA, Castaldini C, Bernardi A, Pascale G, Bonaccorsi G, Patella A, Bagni B, Mollica G, Bergamini CM. *Oxidative stress, body fat composition, and endocrine status in pre- and postmenopausal women*. *Menopause*. **2008**. 15 (1): 112–118
- Park SJ, Kim ES, Choi YS, Kim J-D. *Effects of Sophorae fructus on antioxidative activities and lipid levels in rats*. *J Korean Soc Food Sci Nutr*. **2008**. 37(9): 1120–1125.
- Pasquini A, Luchetti E, Marchetti V, Cardini G, Iorio EL. *Analytical performances of d-ROMs test and BAP test in canine plasma. Definition of the normal range in healthy Labrador dogs*. *Vet Res Commun*. **2008**. 32 (2): 137–143.
- Piccione G, Casella S, Assenza A, Fazio F, Caola G. *Evaluation of serum homocysteine and oxidative stress during lactation in ewes*. *Czech J Anim Sci*. **2008**. 53(11): 462–465.
- Regano N, Iorio E.L, Guglielmi A, Mazzuoli S, Francavilla A, Fregnan S, Leogrande G, Guglielmi FW. *The assessment of oxidative stress in clinical practice and its importance in nutrition*. *Nutritional Therapy & Metabolism*. **2008**. 26(4): 149–162.
- Saigo K, Takenokuchi M, Imoto S. *Neutrophil function tests and oxidative stress detection as clinical examinations*. *Rinsho Byori*. **2008**. 56(9): 791–801.
- Saito K, Nagashima M. *Changes in reactive oxygen metabolites (ROM), biological antioxidant potential (BAP) and blood filtration time (BFT) after a single exposure to hyperbaric air chamber*. *Proceedings Congress of Kyushu Society for Hyperbaric Medicine (KSHM)*. **2008**. 1-7.
- Sakane N, Fujiwara S, Sano Y, Domichi M, Tsuzaki K, Matsuoka Y, Hamada T, Saiga K, Kotani K. *Oxidative stress, inflammation, and atherosclerotic changes in retinal arteries in the Japanese population; results from the MIMA Study*. *Endocrine J*. **2008**. 55(3): 485–488.
- Scalinci SZ, Scorolli L, Gaudio RM, Morara MC, Meduri RA, Ciardella AP. *Circulating antioxidants in patients suffering from senile macular degeneration. Our experience*. [original title "Antiossidanti in circolo in pazienti affetti da DMS (degenerazione maculare senile). Nostra esperienza"]. *Proceedings 88° Congresso Nazionale Società Oftalmologia Italiana (SOI)*. Novembre, 26-29, 2008. Rome, Italy. **2008**. 123–124.
- Sukkar SG, Cella F, Rovera GM, Nichelatti M, Ragni G, Chiavenna G, Giannoni A, Ronzani G, Ferrari C. *A multicentric prospective open trial on the quality of life and oxidative stress in patients affected by advanced head and neck cancer treated with a new benzoquinone-rich product derived from fermented wheat germ (AveMar)*. *Mediterr J Nutr Metab*. **2008**. 1: 37–42.
- Suzuki S, Matsukura S, Takeuchi H, Kawaguchi M, Ieki K, Odaka M, Watanabe S, Homma T, Dohi K, Aruga T, Sato M, Kurokawa M, Kokubu F, Adachi M. *Increase in reactive oxygen metabolite level in acute exacerbations of asthma*. *Int Arch Allergy Immunol*. **2008**. 146 (Suppl 1): 67–72.
- Tacchi S. *Oxidative stress evaluation in the blood plasma and sinovial fluid of dogs suffering from joint diseases* [original title "Valutazione dello stress ossidativo nel plasma e liquido sinoviale di cani affetti da patologie articolari"]. *Thesis. Facoltà di Medicina Veterinaria, Pisa (Italy)*. **2008**.
- Tamaki N, Tomofuji T, Maruyama T, Ekuni D, Yamanaka R, Takeuchi N, Yamamoto T. *Relationship between periodontal condition and plasma reactive oxygen metabolites in patients in the maintenance phase of periodontal treatment*. *Journal of Periodontology*. **2008**. DOI: 10.1902/iop.2008.080082.
- Tsuchiya M, Sato EF, Inoue M, Asada A. *Open abdominal surgery increases intraoperative oxidative stress: can it be prevented?* *Anesthesia & Analgesia*. **2008**. 107(6): 1946–1952.
- Uva V, Novembrino C, De Giuseppe R, Vigna L, Leoni L, Ribaldi L, Bamonti F. *Homocysteine metabolism and oxidative status in obese subjects* [original title: "Metabolismo dell'omocisteina e stato ossidativo in soggetti obesi"]. *Journal of clinical ligand assay*. **2008**. 13(2): 166.
- Various authors. *Detoxamin. Aktivált zeolit*. **2008**.
- Vassalle C. *An easy and reliable automated method to estimate oxidative stress in the clinical setting*. *Methods Mol Biol*. **2008**. 477: 31–39.
- Vassalle C, Pratali L, Boni C, Mercuri A, Ndreu R. *An oxidative stress score as a combined measure of the pro-oxidant and anti-oxidant counterparts in patients with coronary artery disease*. *Clin Biochem*. **2008**. 1162–1167.
- Yamanaka G, Ishii C, Kawashima H, Oana S, Miyama T, Hoshika A. *Cerebrospinal fluid Diacron-reactive oxygen metabolite levels in pediatric patients with central nervous system diseases*. *Pediatr Neurol*. **2008**. 39: 80–84.
- Ziakka S, Ursu M, Poulidakos D, Papadopoulos C, Karakasis F, Kaperonis N, Papagalanis N. *Predictive factors and therapeutic approach of renovascular*

disease: four years' follow-up. *Renal Failure*. **2008**. 30(10): 965–970.

2009

Al-Johany AM, Haffor AS. *Effects of cadmium exposure on the ultrastructural pathology of different pulmonary cells, leukocyte count, and activity of glutathione peroxidase and lactate dehydrogenase in relation to free radical production in Uromastix aegyptius*. *Ultrastructural Pathology*. **2009**. 33 (2): 39–47.

Altamura C, Squitti R, Pasqualetti P, Gaudino C, Palazzo P, Tibuzzi F, Lupoi D, Cortesi M, Rossini PM, Vernieri F. *Ceruloplasmin/Transferrin system is related to clinical status in acute stroke*. *Stroke*. **2009**. 40(4): 1282–1288.

Andersson H, Karlsen A, Blomhoff R, Raastad T, Kadi F. *Plasma antioxidant responses and oxidative stress following a soccer game in elite female players*. *Scandinavian journal of medicine & science in sports*. **2009**. DOI: 10.1111/j.6000-0838.2009.00987.x.

Ando H, Takamura T, Matsuzawa-Nagata N, Shima K.R, Nakamura S, Kumazaki M, Kurita S, Misu H, Togawa N, Fukushima T, Fujimura A, Kaneko S. *The hepatic circadian clock is preserved in a lipid-induced mouse model of non-alcoholic steatopatitis*. **2009**. *Biochemical and biophysical research communications*. Vol. 13; 380 (3):684-8.

Barassi A, Colpi GM, Piediferro G, Dogliotti G, Melzi D'EriI GV, Corsi MM. *Oxidative stress and antioxidant status in patients with erectile dysfunction*. *J Sex Med*. **2009**. DOI: 10.1111/j.1743-6109.2009.01279.x

Bellieni CV, Iantorno L, Perrone S, Rodriguez A, Longini M, Capitani S, Buonocore G. *Even routine painful procedures can be harmful for the newborn*. *Pain*. **2009**. Sep 26. Epub ahead of print.

Bin-Jalialh I, Dallak M, Haffor A. *Effect of hyperoxia on the ultrastructural pathology of alveolar epithelium in relation to glutathione peroxidase, lactate dehydrogenase activity, and free radical production in rats, rattus norvigicus*. *Ultrastructural Pathology*. **2009**. Vol.33 (3): 112-122.

Bracciale PB, Bellanova S, Castagnaro A, Scoditti C, Valerio G. *Alveolar macrophage activity and its correlation with burden of reactive oxygen species in bronchoalveolar fluid and in the serum of patients affected by chronic obstructive pulmonary disease III-IV GOLD stage*. *Chest*. **2009**. IN PRESS.

Buico A, Cassino C, Ravera M, Betta PG, Osella D. *Oxidative stress and total antioxidant capacity in human plasma*. *Redox Re*. **2009**. 14(3): 125–131.

Calamari L, Abeni F, Bertin G. *Metabolic and hematological profiles in mature horses supplemented with different selenium sources and doses*. **2009**. *Journal of animal science*. 2010.88:650-659 DOI: 10.2527/jas.2009-1855.

Casale GR, Siani AM, Colosimo A. *Polysulphone dosimetry: a tool for personal exposure studies*. *Biophys & Bioeng Letters*. **2009**. 2(1): 1–14.

Cesarone MR, Grossi MG, Di Renzo A, Errichi S, Schönlaui F, Wilmer JL, Lange M, Blumenfeld J. *Accelerated antioxidant bioavailability of OPC-3TM bioflavonoids administered as isotonic solution*. *Phytother Res*. **2009**. DOI: 10.1002/ptr.2651 PP 1-3.

Chen Y, Hanaoka M, Chen P, Droma P, Voelkel NF, Kubo K. *Protective effect of beraprost sodium, a stable prostacyclin analogue, in the development of cigarette smoke extract-induced emphysema*. *Am J Physiol Lung Cell Mol Physiol*. **2009**. doi:10.1152/ajplung.90270.2008.

Chen Y, Hanaoka M, Droma Y, Chen P, Voelkel NF, Kubo K. *Endothelin-1 receptor antagonists prevent the development of pulmonary emphysema in rats*. *Eur Respir J*. **2009**. DOI:10.1183/09031936.00003909

Cornelli U. *Antioxidant use in nutraceuticals*. *Clin Dermatol*. **2009**. 27(2): 175–194.

Cornelli U. *Treatment of Alzheimer's disease with a cholinesterase inhibitor combined with antioxidants*. *Proceedings Alzheimer's and Parkinson's disease: advances, concepts and new challenges*. 9th International Conferences AD/PP. Prague, Cech Rep. March, 11–15, 2009. **2009**.

Costantini D, Bonadonna F. *Patterns of variation of serum oxidative stress markers in two seabird species*. *Polar Research*. **2009**. IN PRESS.

Costantini D, Dell'Omo G, De Filippis PS, Marquez C, Snell H, Snell H, Tapia W, Brambilla G, Gentile G. *Temporal and spatial covariation of gender and oxidative stress in Galápagos land iguana *Conolophus subcristatus**. *Physiological and Biochemical Zoology*. **2009**. 82(5): 430–437.

Costantini D, Lipp H-P. *Short restraint time does not influence markers of serum oxidative stress in homing pigeons (*Columba livia*)*. *Journal of Animal Physiology and Animal Nutrition*. **2009**. IN PRESS.

- Costantini D, Møller AP. *Does immune response cause oxidative stress in birds? A meta-analysis.* Comparative Biochemistry and Physiology, Part A. **2009**. 153: 339-344.
- Costantini D, Verhulst S. *Does high antioxidant capacity indicate low oxidative stress?* Functional Ecology. **2009**. 23(3): 506-509.
- Costantino M, Giuberti G, Caraglia M, Lombardi A, Misso G, Abbruzzese A, Ciani F, Lampa E. *Possible antioxidant role of SPA therapy with chlorinesulphur-bicarbonate mineral water.* Amino Acids. **2009**. 36(2): 161-165.
- D'Amicantonio T, Polizzi E, Iorio EL, Gherlone E. *Free radicals and antioxidants in the oral cavity* [original title "Radicali liberi e antiossidanti nel cavo orale. Un delicato equilibrio"]. Prevenzione odontostomatologica. **2009**. 1: 3-15.
- Ezaki S, Suzuki K, Kurishima C, Miura M, Weilin W, Hoshi R, Tanitsu S, Tomita Y, Takayama C, Wada M, Kondo T, Tamura M. *Resuscitation of preterm infants with reduced oxygen results in less oxidative stress than resuscitation with 100% oxygen.* J Clin Biochem Nutr. **2009**. 44: 111-118.
- Gianturco V, Bellomo A, D'Ottavio E, Formosa V, Iori A, Mancinella M, Troisi G, Marigliano V. *Impact of therapy with α -lipoic acid (ALA) on the oxidative stress in the controlled NIDDM: a possible preventive way against the organ dysfunction?* Archives of Gerontology and Geriatrics. **2009**. 49: 129-133.
- Gim GT, Kim HM, Kim J, Kim J, Whang WW, Cho SH. *Antioxidant effect of tianwang buxin pills a traditional chinese medicine formula: double-blind, randomized controlled trial.* Am J Chin Med. **2009**. 37(2): 227-239.
- Gletsu-Miller N, Hansen J.M, Jones D.P. et al. *Loss of total and visceral adipose tissue mass predicts decreases in oxidative stress after weight-loss surgery.* Obesity. **2009**. Vol.17 N°3;439-446 doi:10.1038/oby.2008.542.
- Hattori N, Hayashi T, Nakachi K, Ichikawa H, Goto C, Tokudome Y, Kuriki K, Hoshino H, Shibata K, Yamada N, Tokudome M, Suzuki S, Nagaya T, Kobayashi M, Tokudome S. *Changes of ROS during a two-day ultra-marathon race.* Int J Sports Med. **2009**. 30: 426-429.
- Hisamitsu N, Hlaing T, Fujiwara H, Ishikawa S, Sunagawa M, Guo S-Y, Hisamitsu T. *The comparison of the influence of different stress types on blood fluidity and reactive oxygen metabolites (ROMs) level in rats.* J Physiological Sc. **2009**. 373.
- Inokuma T, Haraguchi M, Fujita F, Tajima Y, Kanematsu T. *Oxidative stress and tumor progression in colorectal cancer.* Hepatogastroenterology. **2009**. 56(90): 343-347.
- Iorio EL. *La diagnosi dello stress ossidativo.* **2009**. Nuovo collegamento, Utifar.
- Iorio EL. *Lo stress ossidativo. Quale ruolo per il farmacista.* **2009**. Nuovo Collegamento. Utifar. Pag. 44-47.
- Iorio EL. *Rilevanza dello stress ossidativo in medicina estetica.* **2009**. Nuovo Collegamento, Utifar.
- Iorio EL. *Stress ossidativo e medicina estetica.* **2009**. Nuovo collegamento, Utifar.
- Iorio EL, Balestrieri ML. *The oxidative stress* [original title "Lo stress ossidativo"]. Trattato Italiano di Medicina di Laboratorio, di Angelo Burlina, Ed. Balestrieri C, Piccin, Padua, Italy. **2009**. 533-549.
- Ito Y, Nakamura A, Adachi M, Kato Atsumi, Ishikawa H, Maruta K, Hata T. *Blood oxidative stress levels and urinary dopamine values reflect the impact of academic stress on student.* Journal of Analytical Bio-Science vol. 32 No 5 **2009**.
- Iwabayashi M, Fujioka N, Nomot K, Miyazaki R, Takahashi H, Hibino S, Takahashi Y, Nishikawa K, Nishida M, Yonei Y. *Efficacy and safety of eight-week treatment with astaxanthin in individuals screened for increased oxidative stress burden.* Anti-Aging Medicine. **2009**. 6(4): 15-21.
- Kakita H, Hussein MH, Yamada Y, Henmi H, Kato S, Kobayashi S, Ito T, Kato I, Fukuda S, Suzuki S, Togari H. *High postnatal oxidative stress in neonatal cystic periventricular leukomalacia.* Brain Dev. **2009**. 31(9): 641-648.
- Kaneko K, Taniguchi N, Tanabe Y, Nakano T, Hasui M, Nozu K. *Oxidative imbalance in idiopathic renal hypouricemia.* Pediatr Nephrol. **2009**. 24(4): 869-871.
- Kato S, Hussein MH, Kakita H, Goto T, Daoud GA, Kato T, Sugiura T, Nobata M, Nakajima Y, Endo T, Mizuno K, Ito T, Kato I, Suzuki S, Togari H. *Edaravone, a novel free radical scavenger, reduces HMGB-1 and prolongs survival in a neonatal sepsis model.* Shock. **2009**. Mar 13. Epub ahead of print.
- Koutsokera A, Papaioannou A.I, Malli F, Kiropoulos T.S, Katsabeki A, Kerenidi T, Gourgoulis K.I, Daniil Z.D. *Systemic oxidative stress in patients with pulmonary sarcoidosis.* Pulmonary Pharmacology & Therapeutics. **2009**. 22,6(2009)603. doi:10.1016/j.pupt.2009.09.002.

- Iwata N, Okazaki M, Kamiuchi S, Hibino Y. *Protective effects of oral administrated ascorbic acid against oxidative stress and neuronal damage after cerebral ischemia/reperfusion in diabetic rats.* J Health Sci. **2009**. 56(1). IN PRESS.
- Landoni G, Mariani E, Oriani G, Donarini C, Guerriero T, Iorio EL. *Improvement of antioxidant status in women conventionally treated for breast cancer after 12 months of a cow milk whey-based supplementation. A preliminary study.* Mediterranean Journal of Nutrition and Metabolism. **2009**. 2(2): 127-131.
- Mandas A, Iorio EL, Congiu MG, Balestrieri C, Mereu A, Cau D, Dessì S, Correlli N. *Oxidative imbalance in HIV-1 infected patients treated with antiretroviral therapy.* Journal of Biomedicine and Biotechnology. **2009**. Article ID 749575, 7 pages. doi:10.1155/2009/749575.
- Martarelli D, Pompei P. *Oxidative stress and antioxidant changes during a 24-hours mountain bike endurance exercise in master athletes.* J Sports Med Phys Fitness. **2009**. 49(1): 122–127.
- Mattar EH, Haffor ASA. *Effect of dobutamine and hyperoxia on free radicals production in relation to the ultrastructural alterations in the endothelial of myocardial capillary in rats, Rattus norvegicus.* Ultrastructural Pathology. **2009**. 33(5): 209–215.
- Mazza C, De Chiara N. *Malattia parodontale, stress ossidativo e strategia alimentare antiossidante.* Prevenzione & Assistenza Dentale **2009** Vol.35 Issue 2 April 2009 pag.69-75.
- Mochizuki T, Amenomori Y, Miyazaki R, Hasegawa T, Watanabe M, Fukuike K, Yonei Y. *Evaluation of exercise programs at a fitness club in female exercise beginners using anti-aging medical indicators.* Anti-Aging Medicine. **2009**. 6(8): 66–78.
- Nojima J, Miyakawa M, Kodama M, Motoki Y, Tuneoka H, Hinoda Y. *Measurement of the oxidation stress degree by the automated analyzer JCA-BM1650.* CLINICAL REPORT. **2009**.
- Pešić S, Jakovljević V, Čubrilo D, Živković V, Jorga V, Mujović V, Stojimirović B. *Oxidative status evaluation in elite karate athletes during training process [original title "Evaluacija oksidativnog statusa kod vrhunskih sportista-karatista u procesu treninga"].* Vojnosanitetski Pregled. **2009**. 66(7): 551–555.
- Rizzo A, Minoia G, Trisolini C, Mutinati M, Spedicato M, Jirillo F, Sciorsci RL. *Reactive Oxygen Species (ROS): involvement in bovine follicular cysts etiology.* Immunopharmacol Immunotoxicol. **2009**. Apr 30 [Epub ahead of print].
- Sakamoto R, Matsubayashi K, Kimura Y, Ishine M, Kosaka Y, Wada T, Wada C, Nakatsuka M, Ishimoto Y, Hiroaki M, Kasahara Y, Konno A, Chen W, Fujisawa M, Otsuka K, Nakashima M, Wang H, Dai Q, Yang A, Qiao H, Gao J, Li Z, Zhang Y, Ge R-L, Okumiya K. *Comprehensive geriatric assessment of elderly highlanders in Qinghai, China, III: oxidative stress and aging in Tibetan and Han elderly highlanders.* Geriatr Gerontol Int. **2009**. doi: 10.1111/j.1447-0594.2009.00544.
- Sakhi A, Russenes KM, Thoresen M, Bastani NE, Karlsen A, Smeland S, Blomhoff R. *Pre-radiotherapy plasma carotenoids and markers of oxidative stress are associated with survival in head and neck squamous cell carcinoma patients: a prospective study.* BMC Cancer. **2009**. 9: 458 DOI: 10.1189/1471-2407-9-458.
- Scalinci SZ, Scorolli L, Gaudiano RM, Morara M, Meduri A, Vismara S. *Determination du cycle des radicaux libre set effets cliniques chez les patientes soumis a un regime alimentaire determinè et role des anti-oxydants.* Journal Français d'Ophthalmologie. **2009**. Vol 32. N.HS1 p.20. DOI: JFO-04-2009-32-HS1-181-5512-101019-200902360.
- Seki Y. *Evaluation of total oxidative stress by d-ROMs testing.* J Anal Bio-Sci. **2009**. 32(4): 301–306.
- Shimano M, Shibata R, Inden Y, Yoshida N, Uchikawa T, Tsuji Y, Murohara T. *Reactive oxidative metabolites are associated with atrial conduction disturbance in patients with atrial fibrillation.* Heart Rhythm. **2009**. 6(7): 935–940.
- Shinoda N, Myake Y, Matushima Y, Suzuki I, Iwasa H, Iwasa M, Kosaka K, Hasegawa M, Naito Y. *Anti-tumor activity in the mixture of water soluble propolis (WSP) and Enterococcus faecalis (EF-2001).* JAPANESE JOURNAL. **2009**. 189–194.
- Spataro A, Crisostomi S, Cifra B, Di Cesare A, Di Giacinto B, De Blasis E, Poli P, Pucci N, Rizzo M. *The rowing ten years later [original title "Il canottaggio dieci anni dopo"].* Medicina dello Sport. **2009**. 62(2): 209–240.
- Tamaki N, Tomofuji T, Ekuni D, Yamanaka R, Yamamoto T, Morita M. *Short-term effects of non surgical periodontal treatment on plasma level of reactive oxygen metabolites in chronic periodontitis patients.* Journal of Periodontology. **2009**. doi:10.1902/jop.2009.080640.
- Tomofuji T, Ekuni D, Sanbe T, Irie K, Azuma T, Maruyama T, Tamaki N, Murakami J, Koikeguchi S,

Yamamoto T. *Effects of vitamin C intake on gingival oxidative stress in rat periodontitis*. Free Radic Biol Med. **2009**. 46(2): 163–168.

Tomofuji T, Irie K, Sanbe T, Azuma T, Ekuni D, Tamaki N, Yamamoto T, Morita M. *Periodontitis and increase in circulating oxidative stress*. Japanese Dental Science Review. **2009**. doi:10.1016/j.jdsr.2008.12.002.

Vassalle C. *A simple and reliable automated method to estimate the oxidative stress status in the clinical setting* [original title "Un metodo automatizzato per la valutazione dello stress ossidativo in ambito clinico"]. Ligand Assay. **2009**. 14(1) : 60–62.

Vassalle C, Maffei S, Ndreu R, Mercuri A. *Age-related oxidative stress modulation by smoking habit and obesity*. Clin Biochem. **2009**. 42(7-8): 739–741.

Venera C, Novembrino C, Bamonti catena F, Fracchiolla N.S, Gianellice U, Savice F, Radaelli F, Fermo E, Cortellezzi A, Lonati S, menegatti M. *Oxidative stress is increase in primary and post-polycythemia vera myelofibrosis*. **2010**. Nov. 38(11): 1058-65.

Yamamoto T, Kinoshita M, Shinomiya N, Hiroi S, Sugasawa H, Matsushita Y, Majima T, Saitoh D, Seki S. *Pretreatment with ascorbic acid prevents lethal gastrointestinal syndrome in mice receiving a massive amount of radiation*. J Radiat Res. **2009**. IN PRESS.

Yamamoto T, Tomofuji T, Tamaki N, Ekuni D, Azuma T, Sanbe T. *Effect of topical application of lipopolysaccharide on hepatic injury induced by high-cholesterol diet in rats*. Journal of periodontal research. **2009**. doi:10.1111/j.16000-0765.2009.01212.x.

Yamaoka-Tojo M, Tojo T, Kosugi R, Hatakeyama Y, Yoshida Y, Machida Y, Aoyama N, Masuda T, Izumi T. *Effects of ezetimibe add-on therapy for high-risk patients with dyslipidemia*. Lipids in Health and Disease **2009**. 8: 41. doi:10.1186/1476-511X-8-41.

Yoshikawa T, Miyazaki A, Fujimoto S. *Decrease in serum levels of advanced glycation end-products by short-term lifestyle modification in non-diabetic middle-aged females*. Med Sci Monit. **2009**. 15(6): PH65–PH73.

2010

Andersson H. *The physiological impact of soccer on the elite female players and the effects of active recovery training*. **2010**. Orebro Universitet. ISBN 978-91-7668-735-2.

Beaulieu M, Reichert S, Le Maho Y, Ancel A, Criscuolo F. *Oxidative status and telomere length in a long-lived bird facing a costly reproductive event*. **2010**. Functional ecology. DOI: 10.1111/j.1365-2435.2010.01825.x.

Bloom H.L, Shukrullah I, Veledar E, Gutmann R, London B, Dudley S.C. jr. *Statin decrease oxidative stress and ICD therapies*. Cardiology research and Practice. **2010** ID 253803, 7. doi: 10.4061/253803.

Braconi D, Bernardini G, Fiorani M, Azzolini C, Marzocchi B, Proietti F, Collodel G, Santucci A. *Oxidative damage induced by herbicides is mediated by thiol oxidation and hydroperoxides production*. **2010**. Free radical research. Aug. Vol.44 (8):891-906. DOI: 10.3109/10715762.2010.489111.

Canestrari F, Benedetti S. *Validation of a patented method to determinate the antioxidant capacity of human saliva based on the reduction of iron*. Carlo Bo University of Urbino, Research project **2010**. Clinical Biochemistry Department.

Celi P. *Biomarkers of oxidative stress in ruminant medicine*. Immunopharmacology and Immunotoxicology. **2010**. 1-8 DOI: 10.3109/08923973.2010.514917.

Celi P, Di Trana A, Claps S. *Effects of plane of nutrition on oxidative stress in goats during the peripartum period*. The Veterinary Journal. **2010**. 184 (2010) 95-99 . DOI: 10.1016/j.tvjl.2009.01.014.

Celi P, Herman W, *Effects of Yerba mate (Ilex para guaraniensis) supplementation on the productive performance of dairy cows during mid-lactation*. Animal production science. **2010**. 50, 339-344.

Celi P. *The role of oxidative stress in small ruminants health and production*. Revista Brasileira de zootecnia. **2010**. Vol. 39, p. 348-363.

Chang-Hu H, Hyun-Joo C, Dong-Seok K. *Evaluation of free oxygen radical and antioxidant capacity in Alopecia Areata*. The Journal of dermatology. **2010** Vol.37, issue 8: 762-764.

Chew P, Yuen D, Stefanovic N, Pete J, Coughlan M.T, Jandeleit-Dahm K.A, Thomas M.C, Rosenfeldt F, Cooper M.E, De Haan J.B. *Antiatherosclerotic and renoprotective effect of ebselen in the diabetic apolipoprotein E/GPx1-double knockout mouse*. Diabetes Journals. **2010** Vol.59 doi:10.2337/db10-0195.

Criscuolo F, Font-Sala C, Bouillaud F, Poulin N, Trabalon M. *Increased ROS production: a component of the longevity equativo in the male mygalomorph*,

- Brachypelma albopilosa*. **2010**. PLoSone 2010 Oct 1;5 (10) pii.e13104.
- Cornelli U, Berra B, Frega N.G. *I modulatori fisiologici*. **2010**. Progress in nutrition. Vol. 12 (2): 99-105. 2010.
- Cornelli U, Belcaro G, Dugall M, Hosoi M, Grossi M.G, Ippolito E, Ledda A, Ruffini I. *Action of antioxidant complex on the antioxidant power of saliva*. *Panminerva Medica*. **2010**;52(Suppl.1 to n°2):1-5
- D'Aiuto F, Nibali L, Parkar M, Patel K, Suvan J, Donos N. *Oxidative stress, sistemi inflammation, and severe periodontitis*. Journal of dental Research. **2010** Vol. 89 no. 111241-1246. doi: 1177/0022034510375830JDR.
- Dohi K, Satoh K, Nakamachi T, Ohtaki H, Yofu S, Nakamura S, Shioda S, Aruga T. *Novel free radical monitoring in patients with neurological emergency diseases*. Acta Neurochir Suppl. **2010**. 106: 315–319.
- Dominguez L, Galioto A, Pineo A, Ferlisi A, Ciaccio M, Putignano E, Belvedere M, Costanza G, Barbagnallo M. *Age, homocysteine and oxidative stress: relation to hypertension and type 2 diabetes mellitus*. Journal of the american college nutrition. **2010**. Vol. 29, n.1, pp 1-6.
- Galimberti D. *Chech-up anti-aging*. **2010**. Health Magazine. Vol. 9: 15.
- Goto F, Hayashi K, Kunihiro T, Ogawa K. *The possible contribution of angiitis to the onset of benign paroxysmal positional vertigo (BPPV)* The International Tinnitus Journal. **2010**; 16(1):25-28.
- Gramiccioni C, Carpagnano G.E, Spavanello A, Turchiarelli V, Cagnazzo M.G. Foschino Barbaro M.P. *Airways oxidative stress, lung function and cognitive impairment in aging*. Monaldi Arch. Chest. Dis. **2010**. Mar;73(1):5-11.
- Haffor A-S, Omar S-A. *Effect of exposure of rats to periodic versus continuous hyperoxia on antioxidant potentials and free radical production in relation to ultrastructural changes in myocardial cells*. **2010**. Inhalation Toxicology. Vol. 22 (10): 797-804. DOI: 10.3109/08958370903456629.
- Iorio EL. *New perspective in oxidative stress research: The Redoxomics*. International conference on Advances in Free Radical Research, natural products, antioxidants and radioprotectors in Health & Ninth, India. **2010**.
- Kanaoka Y, Inagaki E-I, Hamanaka S, Masaki, Tanemoto K. *Analysis of reactive oxygen metabolites (ROMs) after cardiovascular surgery as a marker of oxidative stress*. Acta Med. Okayama, **2010** Vol. 64 No. 5 pp. 323-330
- Kawashima H, Suzuki K, Yamanaka G, Kashiwagi Y, Takekuma K, Amaha M, Takahashi Y. *Anti-Glutamate receptor antibodies in pediatric enteroviral encephalitis*. **2010**. International Journal of Neuroscience. Vol. 120 (2): 99-103.
- Kim SW, Kim BJ, Youn W, Park KC, Huh CH. *Evaluation of free oxygen radical and antioxidant capacity in alopecia areata*. **2010**. The journal of dermatology. Vol. 37 (8): 762-764 2010. DOI: 10.1111/j.1346-8138.2010.00868.x.
- Kondo K, Shibata R, Unno K, Shimano M. et al. *Impact of a single intracoronary administration of adipolectin on myocardial ischemia/reperfusion injury in a pig model*. Circ. Cardiovasc. Interv. **2010**. Apr;3(2):166-73.
- Kotani K, koibuchi H, Miyamoto M, Yamada T, Taniguchi N. *Relationship between reactive oxygen metabolites and carotid intima-media thickness in subjects with hypercholesterolemia*. **2010**. Medical Principles and practice. Vol. 19: 496-498. DOI: 10.1159/000320312.
- Finco A, Nardi G.M. *Lo stress ossidativo e lo sbiancamento dentale*. Cosmetic dentistry 4_ **2010**.
- Fumiyuki G, Ken H, Takanobu K, Kaoru O. *The possible contribution of angiitis to the onset of benign paroxysmal positional vertigo (BPPV)*. **2010**. International Tinnitus Journal. Vol. 16 (1) : 25-8.
- Ikebuchi M, Nishio Y, Maegawa H, Kashiwagi A. *Effects of hyperglycemia on oxidative stress and antioxidant potential in patients with type 2 diabetes*. Diabetology International **2010**. Vol.2(2) Dec.2010:72-77(6). Doi:10.1007/s13340-010-0008-5.
- Martinovic J, Dopsaj V, Kotur-Stevuljevic J, Dopsaj M, Stefanovic A, Kasum G Vujovic A. *Are oxidative stress and antioxidant defense status associated with energy expenditure in athletes of various sports?* Serbian Journal of Sport Sciences **2010**. Vol.4 (2):75-81 UDC 616.088.9:577.344:546.21 ISSN 1820-6301 ID 175916044.
- Matsushita M, Kumano-go T, Sukanuma N, Adaki H, Yamanura S, Morishima H, Shigedo Y, Mikami A, Takeda M, Sugita Y. *Do depressive symptoms correlate with oxidative stress in a sample of healthy college students?*. The European journal of psychiatry. **2010**. Vol.24 (2): 63-69. DOI: 10.4321/S0213-61632010000200001.

Nagamoto F, Fujino H, Takeda I, Ishihara A. *Effects of hyperbaric oxygenation on blood pressure levels of spontaneously hypertensive rats*. Clinical and experimental hypertension. **2010**. 32 (3): 193-197. DOI: doi:10.3109/10641960903254521.

Nishikawa T, Okamoto Y, Kodama Y, Tanabe Y, Shinokoda Y, Kawano Y. *Serum derivative of reactive oxygen metabolites (d-ROMs) in pediatric hemato-oncological patients with neutropenic fever*. Pediatric Blood Cancer. **2010**. 15; 55 (1): 91-104.

Ohthaki H, Satoh A, Nakamachi T, Yofu S, Dohi K, Mori H, Ohara K, Miyamoto K, Hashimoto H, Shintani N. *Regulation of oxidative stress in pituitary adenylate cyclase activating polypeptide (PACAP) mediated by PACAP receptor*. Journal of Molecular Neuroscience. **2010**. Vol. 2, n.3, 397-403. DOI: 10.1007/s12031-010-9350-0.

Ohtaki H, Yofu S, Nakamachi T, Satoh K, Shimizu A, mori H, Sato A, Iwakura Y, Matsunaga M, Shioda S. *Nucleoprotein diet ameliorates arthritis symptoms in mice transgenic for human T-cell leukemia virus type I (HTLV-1)*. **2010**. Journal Clinical Biochemistry. Vol 46. 93-104.

Onoue S, Ochi M, Gandy G, Seto Y, Igarashi N, Yamauchi Y, Yamada S. *High-throughput screening system for identifying phototoxic potential of drug candidates based on derivatives of reactive oxygen metabolites*. Pharmaceutical Research. **2010**. Vol.27 (8): 1610-1619. DOI: 10.1007/s11095-010-01611-3.

Pedernera M, Celi P, Garcia Sc, Salvin H, Barchia I, Fulkerson WJ. *Effect of diet, Energy balance and milk production on oxidative stress in early-lactating dairy cows grazing pasture*. The Veterinary journal. **2010**. 186 (2010) 352-357. DOI: 10.1016/j.tvjl.2009.09.003.

Perrone S, Longini M, Marzocchi B, Picardi A, Bellieni CV, Proietti F, Rodriguez A, Turrisi G, Buonocore G. *Effects of lutein on oxidative stress in the term newborn: a pilot study*. Neonatology. **2010**. 97(1): 36-40. DOI: 10.1159/000227291.

Piccione G, Giannetto C, Fazio F, Pennisi P, Caola G. *Evaluation of a total locomotor activity and oxidative markers daily rhythms in sheep*. Biological Rhythm Research. **2010**. Vol.41 No.6 Dec.2010,433-439

Pitocco D, Zaccardi F, Di Stasio E, Romitelli F, Santini S.A, Zuppi C, Ghirlanda G. *Oxidative stress, nitric oxide and diabetes*. The Rev. of Diabetic Studies. **2010** doi:10.1900/RDS.2010.7.15.

Schell T, Neatu C. *Oxidative stress, implications in equine orthopedic disease, insulin resistance and*

potential target for therapy. Jahvma. **2010**. Vol.29, n.1: 11-15.

Takouli L, Hadjiyannakos D, Metaxaki P, Sideris V, Filiopoulos A, Anogiati A, Vlassopoulos D. *Vitamin E-coated cellulose acetate dialysis membrane: long-term effect on inflammation and oxidative stress*. Renal Failure. **2010**. Vol.32 (3): 287-293.

Tomasetti M, Strafella E, Staffolani S, Santarelli L, Neuzil J, Guerrieri R. *α -tocopheryl succinate promotes selective cell death induced by vitamin K3 in combination with ascorbate*. **2010**. British Journal of Cancer. Vol.102 : 1224-1234.

2011

Angelini F, Buonocore D, Rucci D, Stesina G, Stefanini L, Bonuccelli A, Tencone F, Marzatico F. *Oxidative stress vs hormonal profile in plasma and saliva: application in sport performance*. Journal of the International Society of Sport and Nutrition **2011**, 8(suppl 1):P34. doi: 10.1186/1550-2783-8S1P34.

Bonisoli-Alquati A, Pape Moller A, Rudolfsen G, Saino N, Caprioli M, Ostermiller S, Mousseau T.A. *The effect of radiation on sperm swimming behavior depend on plasma oxidative status in the barn swallow (Hirundo rustica)*. **2011**. Comparative Biochemistry and Physiology. DOI: 10.1016/j.cbpa.2011.01.018.

Cornelli U, Belcaro G, Finco A. *The oxidative stress balance measured in human with different markers, following a single oral antioxidants supplementation or a diet poor of antioxidants*. **2011** Journal of Cosmetics, Dermatological Sciences and Applications, 64-70. doi: 10.4236/jcda.2011.13011.

Fukui T, Yamauchi K, Maruyama M, Yasuda T, Kohno M, Abe Y. *Significance of measuring oxidative stress in lifestyle-related disease from the viewpoint of correlation between d-ROMs and BAP in Japanese subjects*. **2011** Hypertens Res. Sept;34(9):1041-5. doi:10.1038/hr.2011.76.

Giongo L, Bozza E, Caciagli P, Valente E, Pasquazzo MT, Pedrolli C, Iorio EL, Costa A. *Short-term blueberry intake enhances biological antioxidant potential and modulates inflammation markers in overweight and obese children*. Journal of Berry Research. **2011**. Vol.1N°3/2011:147-158 doi:10.3233/BR-2011-016

Hussein MH, Hashimoto T, Daoug GA, Kakita H, Kato S, Goto T, Hibi M, Kato T, Okumura N, Tomoshige H, Hara F, Ito T, Fukuda S, Kato I, Suzuki T, Suzuki T, Togari H. *Oxidative stress after living related liver transplantation subsides with time in pediatric patients*. Pediatr. Surg. Int. **2011** Jan;27(1):17-22 doi:10.1007/s00383-010-2721-3.

Isozaki A, Tnaka A, Kikuchi N, Sugai K, Endo J, Nakamura Y, Yokota S. *Oxidative stress of Kawasaki disease: comparison between acute and convalescent phase along with administration of IVIG*. Pediatrics & Therapeutics. **2011**. <http://dx.doi.org/10.4172/2161-0665.1000105>.

Kim S, Yukishita T, Lee K, Yokota S, Nakata K, Suzuki D, Kobayashi H. *The effect of mild-pressure hyperbaric therapy (oasisi O2) on fatigue and oxidative stress*. Health. **2011**. Vol.3(7):432-436(2011). doi:10.4236/health.2011.37071.

Kogawa T, Kurauchi S, Nishimura M, Kashiwakura I. *P1-196 the characteristics of reactive oxygen metabolites detected in the serum of early Japanese teenagers*. J Epidemiol Community Health **2011**; 65:A120 doi:10.1136/jech.2011.142976d.89.

Kostapanos M.S, Spyrou A.T., Tellis C.C, Gazil I.F. et al. *Ezetimibe treatment lowers indicators of oxidative stress in hypercholesterolemic subjects with high oxidative stress*. Lipids. **2011**. 46(4):341-8. Epub 2011 feb 26 doi: 10.1007/s11745-011-3539-z.

Kosaka J, Morimatsu H, Matsumi j, Kaku R, Morita K. *The relationship between oxidative stress antioxidant capacity and serum bilirubin level in living donor liver transplantation (LDLT) recipients*. Anesthesiology **2011**, American Society of Anesthesiologists Annual Meeting.

Martarelli D, Cacchioni M, Scuri S, Pompei P. *Diaphragmatic breathing reduces exercise-induced oxidative stress*. eCAM. **2011**. DOI: 10.1093/ecam/nep169.

Martinovic J, Dopsaj V, Kotur-Stevuljevic J, Dopsaj M, Vujovic A, Stefanovic A, Nestic G. *Oxidative stress biomarker monitoring in elite women volleyball athletes during a 6-week training period*. J Strength Cond Res. **2011** may;25(5):1360-7 doi:10.1519/JCS.0b013e3181d85a7f.

Masi S, Salpea K, Li K et al. *Oxidative stress, chronic inflammation and telomere length in patients with periodontitis*. Free Radic Biol Med. **2011** Mar 15;50(6):730-5.

Mello W.G, Biffe B.G., Morais S.R.L, Silva T.M., Rodriguez W, Castro J.C.B, Louzada M.J.Q, Chaves Neto A.H, Nakamune A.C.M.S. *Efeito do chá mate na capacidade antioxidante total e espécies reativas de oxigênio após exercício intenso*. **2011**. Ciencias Fisiológicas. Programa multicentrico de pos-graduacao em Ciencias Fisilogicas.

Nappi G, De Luca P, Magrassi et al. *Effects of oral administration of the "LETE" mineral water on reac-*

tive oxygen metabolites (ROM) and biological antioxidant potential (BAP). Progress in Nutrition **2011** vol 13, N°2(2011).

Nakayama N, Yamaura K, Shimada M, Ueno K. *Extract from peel of Citrus natsudaidai alleviates experimental chronic allergic dermatitis in mice*. Pharmacognosy Res. **2011**. jul-Sep; 3(3):155-159. doi:10.4103/0974-8490.84999.

Nojima J, Motoki Y, Tsuneoka H, et al. *Oxidation stress index as a possible clinical marker for the evaluation of non-Hodgkin lymphoma*. British Journal of Haematology. **2011** doi:10.1111/j.1365-2141.2011.08719.x

Patel R.S, Mheid I.A, Morris A.A., Ahmed Y, et al. *Oxidative stress in associated with impaired arterial elasticity*. Atherosclerosis. **2011**. Sep;218(1):90-5 Epub May6.

Ronzani G, Giaretta R, Morello M. *Evaluation of oxidative stress and antioxidative action of green tea catechins in patients treated with tamoxifen: a randomized open-label, crossover study*. Mediterranean Journal of Nutrition and metabolism. **2011**. Vol.4 N°2 Aug.2011 127-132(6).

Squitti R, Salustri C, Siotto M, Ventriglia M, Vernieri F, Lupoi D, Cassetta E, Rossini P.M. *Ceruloplasmin/transferrin ratio changes in Alzheimer's disease*. **2011**. International Journal of Alzheimer's disease. Vol. 2011 ID article 231595, pag 6. DOI: 10.4061/2011/231595.

Sugiura T, Dohi Y, Takase H, Yamashita S, Tanaka S, Kimura G. *Increased reactive oxygen metabolites is associated with cardiovascular risk factors and vascular endothelial damage in middle-aged Japanese subjects*. Vasc health Risk Manag. **2001**; 7:475-482 doi:10.2147/VHRM.S23097.

Taito S, Sekikawa K, Domen S, Konishi S, Kimura T, Takahashi T, Inamizu T. *Pulmonary oxidative stress is induced by maximal exercise in young cigarette smokers*. Nicotine Tob. Res. **2011** doi:10.1093/ntr/ntr237.

Tsumaki M, Saita Yoshimoto S, Ikeda H, Kaneko K, Yukishita T, Lee K, Kim S, Yokota S, Suetake N, Kobayashi H. *Effect of enpishin (press tack acupuncture needles) on automatic function, WBC count and oxidative stress*. Medicine & Healthcare **2011** Vol.3 N°7, 437-443 doi: 4236/health.2011.37072.

Vassalle C, Novembrino C, Maffei S, Sciarrino R et al. *Determinants of oxidative stress related to gender: relevance of age and smoking habit*. Clinical Chemistry. **2011**. doi:10.1515/CCLM.2011.662.

Vassalle C, Cicinelli E, Lello S, Mercuri A, Battaglia D, Maffei S. *Effects of menopause and tibolone on different cardiovascular biomarkers in healthy women.* **2011** . Gynecological Endocrinology 2011 Mar; 27 (3): 163-9. DOI: 10.3109/09513590.2010.488770.

2012

Murrow J.R, Sher S, Ali S, Uphoff I, Patel R, Porkert M, Le A.N, Jones D, Quyyumi A.A. *The differential effect of statin on oxidative stress and endothelial function: Atorvastatin versus pravastatin.* J Clin Lipidol. **2012**. Jan;6(1):42-9 Epub 2011 Sep.13.

Takahashi K, Yoshimura K, Kitao T, Yamanouchi S, Kimata T, Tsuji S. *Intravenous immunoglobulin counteracts oxidative stress in Kawasaki disease.* Pediatric Cardiol. **2012** Doi:10.1007/s00246-012-0229-4.

Vassalle C, Sciarrino R, Bianchi S, Battaglia D, Mercuri A, Maffei S. *Sex-related differences in association of oxidative stress status with coronary artery disease.* Fertil Steril. **2012** feb;97(2):414-9

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