

DATI ANAGRAFICI

Nome e Cognome
 Indirizzo
 Telefono
 Fax
 E-mail
 Nazionalita'
 Data di nascita
 Stato civile
 Codice Fiscale

PROF. GIOVANNI LI VOLTI, MD, PHD
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 Italiana
 15/03/1976
 CONIUGATO
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ESPERIENZA LAVORATIVA

- **Periodo lavorativo (dal 29/07/1996 – al 31/08/1996)**

- Nome della struttura
- Campo di studio
- Ruolo presso la struttura

West Midlands Regional Genetic Services of Birmingham (UK) (Prof. Maj Hulten)
 Pediatria, metabolismo, genetica and biologia molecolare
 Visiting student

- **Periodo lavorativo (dal 01/08/1997 – al 01/09/1997)**

- Nome della struttura
- Campo di studio
- Ruolo presso la struttura

International Center for Interdisciplinary Studies of Immunology, Georgetown University (Prof. Joseph Bellanti)
 Pediatria, metabolismo, immunologia
 Visiting student

- **Periodo lavorativo (from 2002 – to 2004)**

- Nome della struttura
- Campo di studio
- Ruolo presso la struttura

Department of Pharmacology, New York Medical College, Valhalla, NY (Prof. Nader G. Abraham)
 Eme Ossigenasi, Malattie cardiovascolari, Stress Ossidativo
 Research Associate

- **Periodo lavorativo (dal 2005 – al 2006)**

- Nome della struttura
- Campo di studio
- Ruolo presso la struttura

Dipartimento di Anatomia Umana, Universita' di Brescia, Brescia (Italia) (Prof. Luigi Rodella)
 Eme Ossigenasi, Fisiologia renale, Stress Ossidativo
 Postdoctoral Fellow

- **Periodo lavorativo (dal 2016 – ad oggi)**

- Nome della struttura
- Campo di Studio
- Ruolo presso la struttura

Dipartimento di Scienze Biomediche e Biotecnologiche, Universita' di Catania
 Eme Ossigenasi, Stress Ossidativo
 Professore Ordinario di Biochimica

CARRIERA SCOLASTICA

- **Periodo (dal 1994 – al 2000)**

- Nome della struttura
- Campo di studio
- Titolo conseguito
- Votazione

Universita' di Catania, Facolta' di Medicina
 Pediatria, Biochimica, Patologia
 Dottore in Medicina e Chirurgia
 110/110 e lode e proposta al premio "Longo"

• **Periodo (dal 2000 – al 2004)**

- Nome della struttura
- Campo di Studio
- Titolo conseguito
- Votazione

Universita' di Catania, Dipartimento di Pediatria
Pediatria, Biochimica
Dottore di ricerca
70/70 e lode

• **Dates (2006)**

- Nome della struttura
- Campo di Studio

Universita' di Catania, Fondazione CRUI
Operative Management of Research Projects

PREMI

- Settembre 2002: Aventis Pharma New Investigator Award for U.S. Fellow
- Novembre 2002: Premio Toscano-Scuderi (Universita' di Catania, Italia)
- Agosto 2004: Young Investigator Travel Award at the European Society of Neurochemistry
- Settembre 2009: Travel award at the International Heme Oxygenase meeting, Miami (FL)
- Giugno 2010: Young Scientist Award FEBS meeting

SOCIETA' SCIENTIFICHE DI APPARTENENZA

- American Society of Biochemistry and Molecular Biology
- Italian Society of Biochemistry

ATTIVITA' DIDATTICA

- Dal 2007 ad oggi: Biochimica Sistemica Umana ed Applicata (BIO/10) presso il Corso di Laurea in Farmacia dell'Universita' degli Studi di Catania (9 CFU), Facolta' di Farmacia, Universita' di Catania
- Dal 2008 al 2012: Biochimica Sistemica Umana ed Applicata (BIO/10) presso il Corso di Laurea in Farmacia dell'Universita' degli Studi di Catania (9 CFU) (Corso M-Z), Facolta' di Farmacia, Universita' di Catania
- Tecniche di diagnosi biomolecolare, Master in "Scienze Biomolecolari", Universita' di Catania

FINANZIAMENTI PER LA RICERCA

- “Role of heme oxygenase-1 in endothelial homeostasis” finanziato dall’Università di Catania (Anno 2007-2008).
- “Role of natural heme oxygenase-1 inducers in non alcoholic steatohepatitis” finanziato dalla IBI pharmaceuticals.
- “Role of antioxidants in organ protection” finanziato dall’Università di Catania (Anno 2008-2009).
- “Mechanisms by which selective head cooling during CPR decreases cerebral and myocardial ischemic injury” finanziato dall’American Heart Association (2010-2013).
- ESF COST Action BM0806 ‘Recent advances in histamine receptor H4R research’, finanziato dall’EU-FP7
- “Role of adrenomedullin in the treatment of respiratory distress syndrome”, finanziato dalla Fondazione Chiesi
- Project In The Framework Of The Joint Bilateral Agreement Cnr-Asrt(Egitto) 2009-10: "Molecular Modelling Design, Synthesis and Studies on the effects of Gem-Bisphosphonic Acids on bone cancer processes of activated macrophages"

ATTIVITÀ DI REVIEWER

FASEB Journal, Circulation, Trends In Cardiovascular Medicine, Clinical Chemistry, Antioxidants & Redox Signaling, PlosOne, The International Journal Of Biochemistry & Cell Biology, American Journal Of Physiology - Renal Physiology, Toxicology, Toxicology Letters, Experimental And Molecular Pathology, American Journal Of Obstetrics & Gynecology, Pharmacological Research, International Journal Of Immunopathology And Pharmacology, The Medical Gas Research, Journal Of Neuroimmunology, Journal Of Gastroenterology And Hepatology Research, Alimentary Pharmacology & Therapeutics, Current Pharmaceutical Design, Cells Tissues Organs, Current Enzyme Inhibition, European Journal Of Pharmacology, Acta Pharmacologica Sinica, Frontiers In Bioscience, Neuroscience Letters, Digestive And Liver Disease, Microscopy Research And Technique, PPAR Research, Minerva Anestesiologica, Journal Of Plant Physiology, Obesity, Current Eye Research, Immunity & Ageing, Microvascular Research, The Tohoku Journal Of Experimental Medicine, Critical Care, Journal Of Cellular And Molecular Medicine, Current Alzheimer Research, Journal Of Anatomy, European Journal Of Anaesthesiology, The Scandinavian Journal Of Clinical & Laboratory Investigation, BMC Cancer, Neuroscience

PUBBLICAZIONI:

1: Donati M, Brancato G, Grosso G, Li Volti G, La Camera G, Cardì F, Basile F, Donati A. Immunological reaction and oxidative stress after light or heavy polypropylene mesh implantation in inguinal hernioplasty: A CONSORT-prospective, randomized, clinical trial. *Medicine (Baltimore)*. 2016 Jun;95(24):e3791. doi: 10.1097/MD.00000000000003791. PubMed PMID: 27310955.

2: Palmeri R, Monteleone JI, Spagna G, Restuccia C, Raffaele M, Vanella L, Li Volti G, Barbagallo I. Olive Leaf Extract from Sicilian Cultivar Reduced Lipid Accumulation by Inducing Thermogenic Pathway during Adipogenesis. *Front Pharmacol*. 2016 May 31;7:143. doi: 10.3389/fphar.2016.00143. eCollection 2016. PubMed PMID: 27303302; PubMed Central PMCID: PMC4885843.

3: Heiss K, Vanella L, Murabito P, Prezzavento O, Marrazzo A, Castruccio Castracani C, Barbagallo I, Zappalà A, Arena E, Astuto M, Giarratano A, Li Volti G. (+)-Pentazocine reduces oxidative stress and apoptosis in microglia following hypoxia/reoxygenation injury. *Neurosci Lett*. 2016 Jul 28;626:142-8. doi:10.1016/j.neulet.2016.05.025. Epub 2016 May 18. PubMed PMID: 27208832.

4: Signorelli SS, Li Volsi G, Pitruzzella A, Fiore V, Mangiafico M, Vanella L, Parenti R, Rizzo M, Li Volti G. Circulating miR-130a, miR-27b, and miR-210 in Patients With Peripheral Artery Disease and Their Potential Relationship With Oxidative Stress: A Pilot Study. *Angiology*. 2016 Mar 15. pii: 0003319716638242. [Epub ahead of print] PubMed PMID: 26980776.

5: Tibullo D, Barbagallo I, Giallongo C, Vanella L, Conticello C, Romano A, Saccone S, Godos J, Di Raimondo F, Li Volti G. Heme oxygenase-1 nuclear translocation regulates bortezomib-induced cytotoxicity and mediates genomic instability in myeloma cells. *Oncotarget*. 2016 Feb 22. doi: 10.18632/oncotarget.7563. [Epub ahead of print] PubMed PMID: 26930712.

6: Vanella L, Tibullo D, Godos J, Pluchinotta FR, Di Giacomo C, Sorrenti V, Acquaviva R, Russo A, Li Volti G, Barbagallo I. Caffeic Acid Phenethyl Ester Regulates PPAR's Levels in Stem Cells-Derived Adipocytes. *PPAR Res*. 2016;2016:7359521. doi: 10.1155/2016/7359521. Epub 2016 Jan 24. PubMed PMID: 26904104; PubMed Central PMCID: PMC4745343.

7: Giglio RV, Patti AM, Nikolic D, Li Volti G, Al-Rasadi K, Katsiki N, Mikhailidis DP, Montalto G, Ivanova E, Orekhov AN, Rizzo M. The

effect of bergamot on dyslipidemia. *Phytomedicine*. 2015 Dec 30. pii: S0944-7113(15)00378-5. doi: 10.1016/j.phymed.2015.12.005. [Epub ahead of print] PubMed PMID: 26851838.

8: Barbagallo I, Vanella L, Cambria MT, Tibullo D, Godos J, Guarnaccia L, Zappalà A, Galvano F, Li Volti G. Silibinin Regulates Lipid Metabolism and Differentiation in Functional Human Adipocytes. *Front Pharmacol*. 2016 Jan 21;6:309. doi: 10.3389/fphar.2015.00309. eCollection 2015. PubMed PMID: 26834634; PubMed Central PMCID: PMC4720740.

9: Russo GI, Vanella L, Castelli T, Cimino S, Reale G, Urzì D, Li Volti G, Gacci M, Carini M, Motta F, Caltabiano R, Puzzo L, Sorrenti V, Morgia G. Heme oxygenase levels and metaflammation in benign prostatic hyperplasia patients. *World J Urol*. 2015 Nov 30. [Epub ahead of print] PubMed PMID: 26621207.

10: Barbagallo I, Parenti R, Zappalà A, Vanella L, Tibullo D, Pepe F, Onni T, Li Volti G. Combined inhibition of Hsp90 and heme oxygenase-1 induces apoptosis and endoplasmic reticulum stress in melanoma. *Acta Histochem*. 2015 Oct;117(8):705-11. doi: 10.1016/j.acthis.2015.09.005. Epub 2015 Oct 19. PubMed PMID: 26493719.

11: Gazzolo D, Li Volti G, Gavilanes AW, Scapagnini G. Biomarkers of Brain Function and Injury: Biological and Clinical Significance. *Biomed Res Int*. 2015;2015:389023. doi: 10.1155/2015/389023. Epub 2015 Sep 2. PubMed PMID: 26421288; PubMed Central PMCID: PMC4572404.

12: Varrica A, Satriano A, Frigiola A, Giamberti A, Tettamanti G, Anastasia L, Conforti E, Gavilanes AD, Zimmermann LJ, Vles HJ, Li Volti G, Gazzolo D. Circulating S100B and Adiponectin in Children Who Underwent Open Heart Surgery and Cardiopulmonary Bypass. *Biomed Res Int*. 2015;2015:402642. doi: 10.1155/2015/402642. Epub 2015 Aug 31. PubMed PMID: 26417594; PubMed Central PMCID: PMC4568346.

13: Nibali L, Rizzo M, Li Volti G, D'Aiuto F, Giglio RV, Barbagallo I, Pelekos G, Donos N. Lipid subclasses profiles and oxidative stress in aggressive periodontitis before and after treatment. *J Periodontol Res*. 2015 Dec;50(6):890-6. doi: 10.1111/jre.12283. Epub 2015 May 21. PubMed PMID: 25994389.

14: Giuffrè M, Rizzo M, Scaturro G, Pitruzzella A, Marino Gammazza A, Cappello F, Corsello G, Li Volti G. Oxidative stress markers at birth: Analyses of a neonatal population. *Acta Histochem.* 2015 May-Jun;117(4-5):486-91. doi: 10.1016/j.acthis.2015.01.007. Epub 2015 Mar 4. PubMed PMID: 25747735.

15: Li Volti G. Editorial: biochemical targets and biomarkers for central nervous system protection and monitoring. *CNS Neurol Disord Drug Targets.* 2015;14(1):11. PubMed PMID: 25578480.

16: Gazzolo D, Pluchinotta F, Bashir M, Aboulgar H, Said HM, Iman I, Ivani G, Conio A, Tina LG, Nigro F, Li Volti G, Galvano F, Michetti F, Di Iorio R, Marinoni E, Zimmermann LJ, Gavilanes AD, Vles HJ, Kornacka M, Gruszfeld D, Frulio R, Sacchi R, Ciotti S, Risso FM, Sannia A, Florio P. Neurological abnormalities in full-term asphyxiated newborns and salivary S100B testing: the "Cooperative Multitask against Brain Injury of Neonates" (CoMBINe) international study. *PLoS One.* 2015 Jan 8;10(1):e0115194. doi: 10.1371/journal.pone.0115194. eCollection 2015. PubMed PMID: 25569796; PubMed Central PMCID: PMC4287626.

17: Rizzo M, Abate N, Chandalia M, Rizvi AA, Giglio RV, Nikolic D, Marino Gammazza A, Barbagallo I, Isenovic ER, Banach M, Montalto G, Li Volti G. Liraglutide reduces oxidative stress and restores heme oxygenase-1 and ghrelin levels in patients with type 2 diabetes: a prospective pilot study. *J Clin Endocrinol Metab.* 2015 Feb;100(2):603-6. doi: 10.1210/jc.2014-2291. Epub 2014 Nov 13. PubMed PMID: 25393640; PubMed Central PMCID: PMC4318909.

18: Bramanti V, Grasso S, Tomassoni D, Traini E, Raciti G, Viola M, Li Volti G, Campisi A, Amenta F, Avola R. Effect of growth factors and steroid hormones on heme oxygenase and cyclin D1 expression in primary astroglial cell cultures. *J Neurosci Res.* 2015 Mar;93(3):521-9. doi: 10.1002/jnr.23506. Epub 2014 Nov 11. PubMed PMID: 25388553.

19: Cimino S, Favilla V, Russo GI, Galvano F, Li Volti G, Barbagallo I, Giofrè SV, D'Orazio N, DI Rosa A, Madonia M, Morgia G. Oxidative stress and body composition in prostate cancer and benign prostatic hyperplasia patients. *Anticancer Res.* 2014 Sep;34(9):5051-6. PubMed PMID: 25202090.

20: Hackenhaar FS, Fumagalli F, Li Volti G, Sorrenti V, Russo I, Staszewsky L, Masson S, Latini R, Ristagno G. Relationship between post-cardiac arrest myocardial oxidative stress and myocardial

dysfunction in the rat. *J Biomed Sci.* 2014 Aug 19;21:70. doi: 10.1186/s12929-014-0070-6. PubMed PMID: 25134966; PubMed Central PMCID: PMC4237821.

21: Godos J, Pluchinotta FR, Marventano S, Buscemi S, Li Volti G, Galvano F, Grosso G. Coffee components and cardiovascular risk: beneficial and detrimental effects. *Int J Food Sci Nutr.* 2014 Dec;65(8):925-36. doi: 10.3109/09637486.2014.940287. Epub 2014 Jul 21. Review. PubMed PMID: 25046596.

22: Li Volti G, Murabito P. Pharmacologic induction of heme oxygenase-1: it is time to take it seriously*. *Crit Care Med.* 2014 Aug;42(8):1967-8. doi: 10.1097/CCM.0000000000000458. PubMed PMID: 25029147.

23: Vanella L, Russo GI, Cimino S, Fragalà E, Favilla V, Li Volti G, Barbagallo I, Sorrenti V, Morgia G. Correlation between lipid profile and heme oxygenase system in patients with benign prostatic hyperplasia. *Urology.* 2014 Jun;83(6):1444.e7-13. doi: 10.1016/j.urology.2014.03.007. PubMed PMID: 24862399.

24: Vlassaks E, Nikiforou M, Strackx E, Hütten M, Bekers O, Gazzolo D, Li Volti G, Martinez-Martinez P, Kramer BW, Gavilanes AW. Acute and chronic immunomodulatory changes in rat liver after fetal and perinatal asphyxia. *J Dev Orig Health Dis.* 2014 Apr;5(2):98-108. doi: 10.1017/S2040174413000561. PubMed PMID: 24847696.

25: Marrazzo G, Barbagallo I, Galvano F, Malaguarnera M, Gazzolo D, Frigiola A, D'Orazio N, Li Volti G. Role of dietary and endogenous antioxidants in diabetes. *Crit Rev Food Sci Nutr.* 2014;54(12):1599-616. doi: 10.1080/10408398.2011.644874. Review. PubMed PMID: 24580561.

26: Salomone F, Li Volti G, Vitaglione P, Morisco F, Fogliano V, Zappalà A, Palmigiano A, Garozzo D, Caporaso N, D'Argenio G, Galvano F. Coffee enhances the expression of chaperones and antioxidant proteins in rats with nonalcoholic fatty liver disease. *Transl Res.* 2014 Jun;163(6):593-602. doi: 10.1016/j.trsl.2013.12.001. Epub 2013 Dec 4. PubMed PMID: 24365744.

27: Vanella L, Di Giacomo C, Acquaviva R, Barbagallo I, Li Volti G, Cardile V, Abraham NG, Sorrenti V. Effects of ellagic Acid on angiogenic factors in prostate cancer cells. *Cancers (Basel).* 2013 Jun

19;5(2):726-38. doi: 10.3390/cancers5020726. PubMed PMID: 24216999; PubMed Central PMCID: PMC3730328.

28: Serpero LD, Bellissima V, Colivicchi M, Sabatini M, Frigiola A, Ricotti A, Ghiglione V, Strozzi MC, Li Volti G, Galvano F, Gazzolo D. Next generation biomarkers for brain injury. *J Matern Fetal Neonatal Med.* 2013 Oct;26 Suppl 2:44-9. doi: 10.3109/14767058.2013.829688. Review. PubMed PMID: 24059552.

29: Salomone F, Barbagallo I, Puzzo L, Piazza C, Li Volti G. Efficacy of adipose tissue-mesenchymal stem cell transplantation in rats with acetaminophen liver injury. *Stem Cell Res.* 2013 Nov;11(3):1037-44. doi: 10.1016/j.scr.2013.07.003. Epub 2013 Jul 25. PubMed PMID: 23954692.

30: Malaguarnera M, Drago F, Malaguarnera G, Li Volti G, Salomone S, Caraci F, Galvano F, Vacante M, Bucolo C, Malaguarnera M. Metal fume fever. *Lancet.* 2013 Jun 29;381(9885):2298. doi: 10.1016/S0140-6736(13)60689-3. PubMed PMID: 23809563.

31: Ristagno G, Fries M, Brunelli L, Fumagalli F, Bagnati R, Russo I, Staszewsky L, Masson S, Li Volti G, Zappalà A, Derwall M, Brücken A, Pastorelli R, Latini R. Early kynurenine pathway activation following cardiac arrest in rats, pigs, and humans. *Resuscitation.* 2013 Nov;84(11):1604-10. doi:10.1016/j.resuscitation.2013.06.002. Epub 2013 Jun 15. PubMed PMID: 23774325.

32: Vanella L, Li Volti G, Guccione S, Rappazzo G, Salvo E, Pappalardo M, Forte S, Schwartzman ML, Abraham NG. Heme oxygenase-2/adiponectin protein-protein interaction in metabolic syndrome. *Biochem Biophys Res Commun.* 2013 Mar 22;432(4):606-11. doi: 10.1016/j.bbrc.2013.02.037. Epub 2013 Feb 21. PubMed PMID:23438433.

33: Salomone F, Li Volti G, Rosso C, Grosso G, Bugianesi E. Unconjugated bilirubin, a potent endogenous antioxidant, is decreased in patients with non-alcoholic steatohepatitis and advanced fibrosis. *J Gastroenterol Hepatol.* 2013 Jul;28(7):1202-8. doi: 10.1111/jgh.12155. PubMed PMID: 23425054.

34: Berretta M, Di Francia R, Lleshi A, De Paoli P, Li Volti G, Bearz A, Del Pup L, Tirelli U, Michieli M. Antitlastic treatment, for solid tumors, during pregnancy: a crucial decision. *Int J Immunopathol Pharmacol.*

2012 Apr-Jun;25 (2Suppl):1S-19S. Review. PubMed PMID: 23092516.

35: Li Volti G. Pharmacological and molecular targets in cellular redox status maintenance. *Curr Pharm Des.* 2013;19(15):2677. PubMed PMID: 23092329.

36: Tibullo D, Barbagallo I, Giallongo C, La Cava P, Parrinello N, Vanella L, Stagno F, Palumbo GA, Li Volti G, Di Raimondo F. Nuclear translocation of heme oxygenase-1 confers resistance to imatinib in chronic myeloid leukemia cells. *Curr Pharm Des.* 2013;19(15):2765-70. PubMed PMID: 23092325.

37: Barbagallo I, Galvano F, Frigiola A, Cappello F, Riccioni G, Murabito P, D'Orazio N, Torella M, Gazzolo D, Li Volti G. Potential therapeutic effects of natural heme oxygenase-1 inducers in cardiovascular diseases. *Antioxid Redox Signal.* 2013 Feb 10;18(5):507-21. doi: 10.1089/ars.2011.4360. Epub 2012 Nov 6. Review. PubMed PMID: 23025298.

38: Di Giacomo C, Acquaviva R, Santangelo R, Sorrenti V, Vanella L, Li Volti G, D'Orazio N, Vanella A, Galvano F. Effect of Treatment with Cyanidin-3-O- β -D-Glucoside on Rat Ischemic/Reperfusion Brain Damage. *Evid Based Complement Alternat Med.* 2012;2012:285750. Epub 2012 Sep 13. PubMed PMID: 23008739; PubMed Central PMCID: PMC3449154.

39: Risso FM, Sannia A, Gavilanes DA, Vles HJ, Colivicchi M, Ricotti A, Li Volti G, Gazzolo D. Biomarkers of brain damage in preterm infants. *J Matern Fetal Neonatal Med.* 2012 Oct;25 Suppl 4:101-4. doi: 10.3109/14767058.2012.715024. Review. PubMed PMID: 22958034.

40: Bramanti V, Tomassoni D, Grasso S, Bronzi D, Napoli M, Campisi A, Li Volti G, Ientile R, Amenta F, Avola R. Cholinergic precursors modulate the expression of heme oxygenase-1, p21 during astroglial cell proliferation and differentiation in culture. *Neurochem Res.* 2012 Dec;37(12):2795-804. doi: 10.1007/s11064-012-0873-3. Epub 2012 Sep 7. PubMed PMID: 22956150.

41: Gazzolo D, Serpero LD, Frigiola A, Abella R, Dro Giamberti A, Li Volti G, Michetti F. Antenatal glucocorticoids supplementation and central nervous system development. *Curr Drug Metab.* 2013 Feb;14(2):160-6. Review. PubMed PMID: 22935060.

42: Picone S, Ritieni A, Fabiano A, Troise AD, Graziani G, Paolillo P, Li Volti G, D'Orazio N, Galvano F, Gazzolo D. Arterial cord blood lutein levels in preterm and term healthy newborns are sex and gestational age dependent. *Clin Biochem*. 2012 Dec;45(18):1558-63. doi: 10.1016/j.clinbiochem.2012.07.109. Epub 2012 Aug 3. PubMed PMID: 22885018.

43: Salamone F, Li Volti G, Titta L, Puzzo L, Barbagallo I, La Delia F, Zelber-Sagi S, Malaguarnera M, Pelicci PG, Giorgio M, Galvano F. Moro orange juice prevents fatty liver in mice. *World J Gastroenterol*. 2012 Aug 7;18(29):3862-8. doi: 10.3748/wjg.v18.i29.3862. PubMed PMID: 22876038; PubMed Central PMCID: PMC3413058.

44: Li Volti G, Musumeci T, Pignatello R, Murabito P, Barbagallo I, Carbone C, Gullo A, Puglisi G. Antioxidant potential of different melatonin-loaded nanomedicines in an experimental model of sepsis. *Exp Biol Med (Maywood)*. 2012 Jun;237(6):670-7. doi: 10.1258/ebm.2012.011425. Epub 2012 Jun 22. PubMed PMID: 22728708.

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47: Scavuzzo A, Favilla V, Cimino S, Madonia M, Li Volti G, Morgia G. [The relationship between oxidative stress and obesity in prostate disease]. *Urologia*. 2012 Apr-Jun;79(2):156-8. doi: 10.5301/RU.2012.9206. Italian. PubMed PMID: 22522464.

48: Masella R, Santangelo C, D'Archivio M, Li Volti G, Giovannini C, Galvano F. Protocatechuic acid and human disease prevention: biological activities and molecular mechanisms. *Curr Med Chem*. 2012;19(18):2901-17. Review. PubMed PMID: 22519395.

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Bolognese A, Biondi A, De Paoli P, Tirelli U, Cappellani A. The role of nutrition in the development of esophageal cancer: what do we know? *Front Biosci (Elite Ed)*. 2012 Jan 1;4:351-7. Review. PubMed PMID: 22201877.

50: Barbagallo I, Marrazzo G, Frigiola A, Zappala A, Li Volti G. Role of carbon monoxide in vascular diseases. *Curr Pharm Biotechnol*. 2012 May;13(6):787-96. Review. PubMed PMID: 22201604.

51: Salamone F, Galvano F, Marino Gammazza A, Paternostro C, Tibullo D, Bucchieri F, Mangiameli A, Parola M, Bugianesi E, Li Volti G. Silibinin improves hepatic and myocardial injury in mice with nonalcoholic steatohepatitis. *Dig Liver Dis*. 2012 Apr;44(4):334-42. doi: 10.1016/j.dld.2011.11.010. Epub 2011 Dec 24.

52: Malaguarnera M, Vacante M, Giordano M, Motta M, Bertino G, Pennisi M, Neri S, Malaguarnera M, Li Volti G, Galvano F. L-carnitine supplementation improves hematological pattern in patients affected by HCV treated with Peg interferon- α 2b plus ribavirin. *World J Gastroenterol*. 2011 Oct 21;17(39):4414-20. doi: 10.3748/wjg.v17.i39.4414. PubMed PMID: 22110268; PubMed Central PMCID: PMC3218156.

53: Malaguarnera M, Vacante M, Russo C, Gargante MP, Giordano M, Bertino G, Neri S, Malaguarnera M, Galvano F, Li Volti G. Rosuvastatin reduces nonalcoholic fatty liver disease in patients with chronic hepatitis C treated with α -interferon and ribavirin: Rosuvastatin reduces NAFLD in HCV patients. *Hepat Mon*. 2011 Feb;11(2):92-8. PubMed PMID: 22087124; PubMed Central PMCID: PMC3206670.

54: Bellissima V, Visser GH, Ververs TF, van Bel F, Termote JU, van der Heide M, Florio P, Li Volti G, Gazzolo D. Antenatal maternal antidepressants drugs affect Activin A concentrations in maternal blood, in amniotic fluid and in fetal cord blood. *J Matern Fetal Neonatal Med*. 2011 Oct;24 Suppl 2:31-4. doi: 10.3109/14767058.2011.604931. PubMed PMID: 21767104.

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