

## **REFERENCES**

## VI- REFERENCES

- Abdel-Maksoud, H.A.; El-Senosi, Y.A. and Mahfouz, M.K. (2002):** Biochemical effect of fish oil on lipid profile and glutathione redox system of experimental hyperlipaemia in albino rats. *The 5<sup>th</sup> National Conference of Biochemistry and Molecular Biology. Cairo, Egypt.*
- Abo-Doma, M.H. (1988):** Effect of onion and garlic oils as well as some of their sulphur constituents in lipid metabolism in albino rats. *Ph.D. Thesis, Fac. Of Agric., Ain Shams University.*
- Abou-Safi, H.M.; El-Yamani, N.; Abdel Hamid, G.R. and El-Gabry, M.S. (2002):** Physiological studies on the efficacy of silymarin as antioxidant against some blood constituents disorders induced by radiation in female rats. *The 5<sup>th</sup> National Conference of Biochemistry and Molecular Biology. Cairo, Egypt.*
- Abraham, R.D.; Riemersma, R.A.; Elton, R.A., Macintyre, C. and Oliver, M.F. (1990):** Effects of safflower oil and evening primrose oil in men with a low dihomogamma-linolenic level. *Atherosclerosis, 81:3, 199-208.*
- Addis, P.B. and Park, S.W. (1998):** In Food Toxicology. A prespective on the relative risks Ed.by (S.L. Taylor and R.A. Scanlan, Eds). *Marcel Dekker, New York, p. 297.*
- Allen, J. (1997):** Over the counter cholesterol lowering dietary supplement (Cholestin). *Pharm Lect; 13 (4) : 24.*
- Ammu, K.; Sankar, T.V. and Devadasan, K. (1996):** Influence of vitamin E supplementation of dietary fish oils on lipid profile and blood glucose levels in albino rats. *Journal of Food Science and Technology Mysore, 33:2, 128-132.*

- Asai, A.; Nakagawa, K. and Miyazawa, T. (1999):** Antioxidative effects of tumeric, rosemary and capsicum extracts on membrane phospholipid peroxidation and liver lipid metabolism in mice. *Bioscience, Biotechnology and Biochemistry*, 63:12,2188-2122.
- Bajwa, G.S.; Morrison, L.M. and Ershoff, B.H. (1971):** Induction of aortic and coronary atherosclerosis in rats. *Proc. Soc. Exp. Biol. Med.* 136 (3) 957-62 (Eng.).
- Balasincka, B. (1998):** Hypocholesterolaemic effect of dietary evening primrose cake extract in rats. *Food Chemistry*, 63:4, 453-59.
- Barnes, S.; Anderson, L.A. and Phillipson, P.D. (2002):** Rosemary in: Herbal Medicines, 2<sup>nd</sup> ed., *Pharmaceutical press, Paper 105, London, Chicagow. USA.*
- Bast, A.; Haenen, G.R. and Doelman, C.A. (1991):** Oxidants and antioxidants. *Am. J. Med.* 9, 25.
- Bendich, J. (1989):** Nutritional and health aspects of food antioxidants. *J.Nutr.*, 119 : 112.
- Bermond, P. (1990):** In food antioxidants (*B.J.F. Hudson, ed*), *Elsevier Science, Barking, England. P. 193.*
- Beutler, E.; Duron, O and Kelly, B.M. (1963):** Improved method for the determination of blood glutathione. *J. Lab. Clin. Med.*, 61, 882-888.
- Bieri, J.G.; Corash, L. and Hubbard, V.S. (1983):** "Medical uses of vitamin E". *N. Engl. J. Med.* 308:1063-1071.
- Bilto, Y.Y. (2002):** Oxidant stress and blood rheology. 50<sup>th</sup> *Scientific Congress "International Meeting", Cairo, Egypt.*
- Boberg, M.; Vessby, B. and Selinus, I. (1986):** Effects of dietary supplementation with n-6 and n-3 long chain PUSFA on serum lipoproteins and platelet function in hypertriglyceridaemic patients. *Acta Medica Scandinavia*, 220:2, 153-160.

- Bonollo, L. and Nicolis, F.B. (1967):** Hypercholesterolemia due to pyridoxine deficiency in rats; its relation to the metabolism of tryptophan and nicotinic acid. *Acte vitaminol. Enzymol.* 21(1): 24.
- Boulos, L. (1983):** Medicinal plants of North Africa, P. 110. *Reference Publications. Inc., Michigan. USA.*
- Buring, J.E. and Hennekens, C.H. (1997):** Antioxidant vitamins and cardiovascular disease. *Nutr. Rev.*, 55, 7, 345-349.
- Cara, L.; Borel, P.; Armand, M.; Senft, M.; Riottot, M.; Ferezou, J. and Lairon, D. (1991):** Effects of increasing levels of raw or defeated wheat germ on liver, feces and plasma lipids and lipoproteins in the rat. *Nutrition Research*, 11:8, 907-916.
- Catigani, G.L. (1980):** In vit. E: A comprehensive treatise. *Machlin, L.J. Ed. Marcel Dekker, New York, P. 318.*
- Cha Jae Young; Yanagita, T. and Cha, J.Y. (1998):** Impact of cholesterol on liver microsomal phospholipid metabolism in rats fed a diet containing fish oil or beef tallow. *Bulletin of the Faculty of Agriculture, Saga University. No. 83, 59-69.*
- Chase, C.I. (1967):** Statistical analysis of data using "T" Test according to the degree of freedom. *Elementary Statistical Procedures. McGraw Hill. Book Comp. 9, P. 140.*
- Cheeseman, K.H. and Slater, T.F. (1993):** An introduction to free radical biochemistry. *Br. Med. Bull.* 49:481-493.
- Chen, Q.Y.; Shi, H. and Ho, C.T. (1992):** Effect of rosemary extracts and major constituents on lipid oxidation and soybean lipoxygenase activity. *Journal of the American Oil Chemists Society*, 69:10, 999-1002.
- Cho, S.Y.; Park, J.Y.; Park, E.M.; Choi, M.S.; Lee, M.K.; Jeon, S.M.; Jang, M.K. and Park, Y.B. (2002):** Alternation of hepatic antioxidant enzyme activities and lipid profile in STZ-induced diabetic rats. *Clin. Chim. Acta*, 317, 1-2, 109-117.

- Choi, I.S. (1990):** Effect of some antioxidants added to sardine oil on the content of tocopherols in plasma and liver of rats. *Korean Journal of Nutrition*, 23, 1, 44-51.
- Clark, I. A.; Cowden, W.B. and Hunt, N.H. (1985):** Nutritional and Health Aspects of Food Antioxidants. *Med. Res. Rev.*, 5:297.
- Cortner, J.A.; Bennett, M.J.; Le, N.A. and Coates, P.M. (1993):** The effect of lovastatin on very low density lipoprotein apolipoprotein B production by the liver in familial combined hyperlipidaemia. *Journal of Inherited Metabolic Disease*, 16:1, 127-134.
- Cruz, J. P.; Quintero, L.; Galvez, J.; Villalobos, M.A.; Cuesta, F.S.; de la Cruz, J.P. and de la Cuesta, F.S. (1999):** Antioxidant potential of evening primrose oil administration in hyperlipemic rabbits. *Life Sciences*, 65:5, 543, 555.
- Cutler, R.G. (1991):**Antioxidant and aging. *Am. J. Clin. Nutr.*, 53:373.
- David, H.; Ian, Y.; Judith, M.A.; David, A.E.; Robert, M.E. and Vayliang, W. G. (1999):** Cholesterol lowering effects of a proprietary Chinese red yeast rice dietary supplement. *Am. J. Clin. Nutr.* 69: 23-6.
- Dawood, M.M.; Abd El-Fatah, M.F.; El-Desouky, A.I.; Khater, N.M. and Sanad, S.M. (2002):** Glutathione peroxidase, superoxide dismutase, malondialdehyde and nitric oxide levels in primary generalized tonic clonic seizures in children in Zagazig University hospitals. *The 5<sup>th</sup> National Conference of Biochemistry and Molecular Biology. Cairo, Egypt.*
- De La Cruz, J.P.; Martin-Romero,M.; Carmona, J.A.; Villabobos, M.A. and Sanchez de la Cuesta, F. (1997):** Effect of evening primrose oil on platelet aggregation in rabbits fed an atherogenic diet. *Thromb. Res.* 1:87 (1), 141-9.

- Debersac, P.; Vernevaut, M.F.; Amiot, M.J.; Suschetet, M. and Siess, M.H. (2001):** Effects of a water soluble extract of rosemary and its purified component rosmarinic acid on xenobiotic metabolizing enzymes in rat liver. *Food and Chemical Toxicology*, 39:2, 109-117.
- Doumas, B.T. (1975):** Standard methods of protein determination. *Clin. Chem.* 7:175-188.
- Doumas, B.T.; Biggs, H.G.; Arends, R.L. and Pinto, P.V.C. (1971):** Albumin standard and the measurement of serum albumin with bromocresol green. *Clin. Chem. Acta.*, 31: 87-95.
- El-Boghdady, N.A.; Fahim, A.T. and Barakat, M.M. (2002):** Aging and antioxidant systems in experimental animals. *The 5<sup>th</sup> National Conference of Biochemistry and Molecular Biology. Cairo, Egypt.*
- El-Malky, W.A.; Badawi, A.M.; Dosoky, S.T. and Swellum, A.A. (2001):** Role of germinated soybean related substances as hypolipidemic agents. *A.Z.J. Pharm. Sci.*, 28, 137-158.
- Eman, M.G.; Eman, M.A. and Mona, M.K. (2002):** Effect of meprobamate on lipid peroxidation in rats under stress. *The 5<sup>th</sup> National Conference of Biochemistry and Molecular Biology. Cairo, Egypt.*
- Enaam, A.L. and Kerolles, S.Y. (2000):** Ameliorative action of addition of *N. Sativa L.* seeds and its product to fermented milk diets on hyperlipidaemia. *Annals of Agric. Sc., Moshtohor*, 38(2): 1007-1015.
- Erdinçler, D.S.; Seven, A.; Inci, F.; Beger, T. and Candan, G. (1997):** Lipid peroxidation and antioxidant status in experimental animals: Effects of aging and hypercholesterolemic diet. *J. Clinica Chimica Acta*, 265, 77-84.

- Evans, H.M.; Emerson, O.H. and Emerson, G.A. (1936):** The isolation from wheat germ oil of an alcohol,  $\alpha$ -tocopherol, having properties of vitamin E. *J. Biol. Chem.*, 113:329-332.
- Fahim, F.A.; Esmat, A.Y.; Fadel, H.M. and Hassan, K.F.S. (1999).** Allied studies on the effect of *Rosemarinus officinalis* L. on experimental hepatotoxicity and mutagenesis. *International Journal of Food Sciences and Nutrition*. 50:6, 413-427
- Finely, (1978):** Enzymatic calorimetric determination of serum total cholesterol. *Clin. Chem.*, 24, 391.
- Fossati, P. and Precipe, L. (1982):** The determination of triglycerides using enzymatic method. *Clin. Chem.* 28, 2077.
- Frankel, E.N.; Huang-ShuWen; Aeschbach, R.; Prior, E. and Huang, S.W. (1996):** Antioxidant activity of a rosemary extract and its constituents carnosic acid, carnosol and rosmarinic acid in bulk oil and oil in water emulsion. *Journal of Agricultural and Food Chemistry*, 44: 1, 131-135.
- Fukushima, M.; Ohhashi, T.; Ohnos, S.; Saitoh, H.; Sonoyama, K.; Shimada, K.I.; Sekikawa, M. and Nakano, M. (2001):** Effects of diets enriched in n-6 or n-3 fatty acids on cholesterol metabolism in older rats chronically fed a cholesterol-enriched diet. *Lipids*, 36: 3,261-266.
- Gaby, S.K. and Machlin, L.G. (1991):** In vitamin intake and health (S.K. Gaby, A. Bendich, V.N. Singh and L.J. Machlin, Eds). *Marcel Dekker, New York*, P. 71.
- Galisteo, M.; Suarez, A.; Del Pilar, M.; Del Pilar U.; Jimenez, J.; Gil, A.; Faus, M.J. and Navarro, M. (2000):** Antihepatotoxic activity of rosemary in a model of acute hepatic damage induced by thioacetamide. *Phytother. Res.*, 14 (7): 522-6.

- German Society for Clinical Chemistry (1972):** Standard method for determination of alkaline phosphatase (AP) activity. *J. Clin. Chem. Clin. Biochem.* 10, 290.
- Gey, K.F. (1995):** Nutritional and Health Aspects of Food Antioxidants. In Food Antioxidants. Technological, Toxicological and Health Perspectives. Ed by D.L. Madhavi, S. S.; Deshpande and D.K. Salunkhe. Marcel Dekker, Inc., New York, Basal, Hong Kong, p.441.
- Gordon, M.H. (1990):** In Food Antioxidants (B.J.F. Hudson, Ed.), Elsevier, New York, P.1
- Green, J. and Bunyan, J. (1969):** Nutritional and Health Aspects of Food Antioxidants. In Food Antioxidants. Technological, Toxicological and Health Perspectives. Ed by D.L. Madhavi, S. S. Deshpande and D. K. Salunkhe. Marcel Dekker, Inc., New York, Basal, Hong Kong, p401, 1995.
- [C.F. Nutr. Abstr. Rev., 39, 321.]
- Green, J. (1972):** "Vitamin E and the biological antioxidant theory". *Ann. N.Y. Acad. Sci.*, 203:29-44.
- Guo, Y.; Cai, X.; Zhao, X. and Shi, R. (2001):** Effect of five kinds of vegetable seed oil on serum lipid and lipid peroxidation in rats. *Wei Sheng Yan Jiu*, 30(1) : 50-1.
- Haglund, O.; Luostarinen, R.; Wallin, R.; Wibell, L. and Saldeen, T. (1991):** The effect of fish oil on triglycerides, cholesterol, fibrinogen and malondialdehyde in human supplemented with vitamin E. *J. Nutrition*, 121:2, 165-169.
- Haisman, P. and Muller, B.R. (1977):** *Glossary of clinical chemistry terms*. P. 126. Butterworth, London.
- Halliwell, B. and Gutteridge, J.M.C. (1989):** In free radicals in biology and medicine, Clarend on Press, Oxford, England.

- Halliwell, B. (1991):** Drug antioxidant effects. A basis for drug selection. *Drugs*, 42: 570-597.
- Halliwell, B.; Gutteridge, J.M.C. and Cross, C.E. (1992):** "Free radicals, antioxidants and human disease" where are we now". *J. Lab. Clin. Med.*, 119:598.
- Heber, D.; Lembertas,A.; Lu, Q.Y.; Bowerman, S. and Go, V.L. (2001):** An analysis of nine proprietary Chinese red yeast rice dietary supplements: implications of variability in chemical profile and contents. *J. Altern Complement Med.*, 7 (2): 133-9.
- Heber, D. (2001):** Herbs and Atherosclerosis. *Curr. Atheroscler. Rep.*, 3(1): 93-6.
- Heber, D.; Yip, I.; Ashley, J.M.; Elashoff, R.M. and Go, V.L.W. (1999):** Cholesterol lowering effects of a proprietary Chinese red yeast rice dietary supplement. *Am. J. Clin. Nutr.*, 69:231-6.
- Henery, R.J.; Cannon,D.C. and Winkelman, J.W. (1974):** Clinical Chemistry: principles and techniques, 2ed. , New York, Harper and Row; pp. 422-24.
- Hirai, K.; Ohno, Y.; Nakano, T. and Izutani, K. (1984):** Effects of dietary fats and phytosterol on serum fatty acid composition and lipoprotein cholesterol in rats. *Journal of Nutritional Science and Vitaminology*, 30:2, 101-112.
- Ho, C.T.; Huang, M.T.; Lou, Y.R.; Ma, W.; Shao, Y.; Wei, G.J.; Wang, M.; Chin,C.K. and Shahidi, F. (1999):** Antioxidant and antitumour activity of rosemary leaves. *Phytochemicals and Phytopharmaceuticals*, 296-307.
- Hopia, A. I.; Huang-ShuWen; Schwarz, K.; German, J.B., Frankel, E.N. and Huang, S.W. (1996):** Effect of different lipid systems on antioxidant activity of resemmary constituents carnosol and carnosic acid with and without alpha tocopherol. *Journal of Agricultural and Food Chemistry*, 44:8, 2030-2036.

- Horrobin, D.F. and Manku, M.S. (1983):** How do polyunsaturated fatty acids lower plasma cholesterol level. *Lipids*, 18, 558-62.
- Hoy, C.E.; Holmer, G.; Kaur, N.; Byrjalsen, I. and Kirstein, D. (1983):** Acyl group distributions in tissue lipids of rats fed evening primrose oil or soybean oil. *Lipids*, 18:11, 760-771.
- Huang, Y.S.; Manku, M.S. and Horrobin, D.F. (1984):** The effect of dietary cholesterol on blood and liver PUSFA and on plasma cholesterol in rats fed various types of fatty acid diet. *Lipids*, 19:9, 664-672.
- Hughes, G. S. Jr.; Ringer, T.V.; Francom, S.F.; Means, L.K. and Deloof, M.J. (1994):** Lack effects of beta-carotene on lipids and sex steroid hormones in hyperlipidics. *Am. J. Med. Sci.*, 308 (1): 16-22.
- Ibrahim, A.A.M.; Zaid, M.M.A.; El-Maholy, L.D. and Abo-Zaid, M.M. (1990):** Studies on crude wheat germ produced as a by-product of milling industry. *Annals of Agricultural Science, Moshtohor*, 28:2, 1189-1200.
- Ingram, L.R. (1993):** Liver function, in : Clinical chemistry concepts and applications: S.C. Anderson and S. Cockayne eds. *Comp. Pub. London, Philadelphia, W.B. Saunders, P. 280.*
- Kakita, C.; Johnson, P.J.; Pick, R. and Kate, L.N. (1972):** Relation between plasma cholesterol level and coronary atherosclerosis in cholesterol-oil fed cockerels. *Atherosclerosis*, 15(1), 17-29 (Eng.).
- Kappus, H. (1991):** In free radicals and food additives (O.I. Aruoma and B. Halliwell, Eds). *Taylor and Francis, London, P. 59.*
- Karasu, C.; Ozansoy, G.; DoZkuurt, O.; Erdovan; D.; Omerovulu, S. (1997):** "Antioxidants Diabetes-Induced Complication (ADIC) Study group". *Metabolism*. 46: 872-879.
- Kikugawa, K.; Hamazaki, T. and Okuyama, H. (2001):** Effect of Omega 6 and Omega 3 fatty acids supplementation on rat tissue

lipid peroxidation. 4<sup>th</sup> Congress of the International Society for the study of fatty acids and lipids, 4-9 June, 2000, Tsukuba, Japan. *Fatty acids and Lipids, New Findings*, p 28-34.

- Kim, W.S.; Kim, M.M.; Choi, H.J.; Yoon, S.S.; Lee, M.H.; Park, K.; Park, C.H. and Kang, W.K. (2001):** Phase II study of high dose lovastatin in patients with advanced gastric adenocarcinoma. *Invest. New Drugs*, 19(1): 81-3.
- Knight, J.A; Anderson, S. and Rawle, J.M. (1972):** Chemical bases of the sulfo-phosphovanilin reaction for estimating total serum lipids. *Clin. Chem.*, 18 (3): 723.
- Kok, F.J.; Van Poppei, G.; Melse, J.; Verheul, E.; Schouten, E.G.; Kruyssen, DHCM and Horiman, A. (1991):** Do antioxidants and polyunsaturated fatty acids have a combined association with coronary atherosclerosis? *Atherosclerosis*, 31, 85-90.
- Kovar, K.A.; Gropper, B.; Freiss, D. and Ammon, H.P.T. (1987):** Blood levels of 1,8 cineole and locomotor activity of mice after inhalation and oral administration of rosemary oil. *Planta Medica*, 53, 315-318.
- Krings, U.; El-Saharty, Y.S.; El-Zeany, B.A.; Pabel, B. and Berger, R.G. (2000):** Antioxidant activity of extracts from roasted wheat germ. *Food Chemistry*, 71:1, 91-95.
- Krings, V. and Berger, R.G. (2001):** Antioxidant activity of some roasted foods. *Food Chemistry*, 72:2, 223-229.
- Krinsky, N.J. (1992):** Mechanism of action of biological antioxidants. *Proc. Soc. Exp. Biol. Med.*, 200, 248.
- Kubow, S.; Goyette, N.; Kermasha, S.; Stewart-Phillip, J. and Koski, K.G. (1996):** Vitamin E inhibits fish oil induced hyperlipidemia and tissue lipid peroxidation in hamsters. *Lipids*, 31:8, 839-847.
- Lairon, D.; Lacombe, C.; Borel, P.; Corraze, G.; Nibbelink, M.; Chautan, M.; Chanussot, F. and Lafont, H. (1987):** Beneficial

- effect of wheat germ on circulating lipoproteins and tissue lipids in rats fed a high fat, cholesterol-containing diet. *Journal of Nutrition*, 117:5, 838-845.
- Lane-Peter, W. and Pearson, A.E.G. (1971):** Dietary requirements. In "The laboratory animal principles and practice". P. 142, *Acad. Press. London and New York*.
- Lee, H.S. and Choi, I.S. (1992):** Effects of some antioxidants on the inhibition of *in-vitro* and *in-vivo* lipid peroxidation of sardine oil in rats. *Korean Journal of Nutrition*, 22:6, 466-475.
- Leth, A.; Munch, M.; Nielsen, B. and Dollerup, J. (1990):** Treatment of severe primary hypercholesterolaemia with lovastatin. A new therapeutic principle. *Ugeskrift for Laeger*, 152: 45, 3354-3357.
- Li, C. L.; Wang Yin Ye; Zhu Jia Shi; Chang, J.; Kritchevsky, D.; Li, C.L.; Yan, Z.; Wang, Y.Y. and Zhu, J.S. (1998):** *Monascus purpureus* fermented rice: a natural food product that lowers blood cholesterol in animal models of hypercholesterolemia. *Nutrition Research*, 18:1, 71-81.
- Lo, A.H.; Liang, Y.C.; Lin Shian, S.Y.; HO, C.T. and Lin, J.K. (2002):** Carnosol, an antioxidant in rosemary, suppresses inducible nitric oxide syntheses through down-regulating nuclear factor-kappa B in mouse macrophages. *Carcinogenesis*, 23(6): 983-91.
- Loliger, J. (1991):** Use of antioxidants in food. In free radicals and food additives. *Aruoma, G. J., ed., PP 121-131. London: Taylor & Francis*.
- Lopes-Virella, M.F.; Stone, S.; Ellis, S. and Collwell, J.A. (1977):** Cholesterol determination in high density lipoproteins separated by three different methods. *Clin. Chem.*, 23(5), 882.
- Lu, Y.F. and Huang, H.C. (1993):** Effect of different saturation of fats with fixed n-6/n-3 ratio on lipid metabolism. *J. of the Chinese Nutrition Society*, 18(1-2), 29-43.

- Mac Masters, M.M.; Hninton, J.J. and Bradbury, D. (1971):** Microscopic structure and composition of the wheat kernel, pages. 51-113, in wheat Chemistry and Technology, 2<sup>nd</sup> ed. Y. Pomeranz, ed. Am. Assoc. Cereal Chem., St. Paut, Minnesota, USA.
- Machlin, L.J. (1980):** "Vitamin E, A Comprehensive Treatise. Marcel Dekker. Inc. Publ., New York, pp 101-116.
- Machlin, L.J. (1991):** In Handbook of vitamins. Machlin, L. J. Ed, Marcel Dekker. New York, P. 99.
- Madhavi, D.L.; Deshpande, S.S. and Salunkhe, D.K. (1995):** In food antioxidants, technological, toxicological and health perspectives. Marcel Dekker, Inc., New York, Basel, Hong Kong. P. 471.
- Madhavi, D.L.; Deshpande, S.S. and Salunkhe, S.K. (1995):** Food Antioxidants. Technological, Toxicological and Health Perspectives, pages 237-242. 1<sup>st</sup> ed., Marcel Dekker, Inc. New York, Basel, Hong Kong.
- Malloy, M.J.; Kane, J.P.; Kunitake, S.T. and Tun, P.(1987):** Complementarity of colestipol, niacin and lovastatin in treatment of severe familial hypercholesterolemia. *Annals of Internal Medicine*, 107:5, 616-623.
- Marklund, S. and Markiund, G. (1974):** Involvement of the superoxide anion radical in the antioxidation pyrogallol and a convenient assay for superoxide dismutase. *Eur. J. Biochem.*, 17, 164-174.
- Margret, A.A.; Abdel-Mobdy, E. and Sahar, A.A. (2002):** Effect of chickpea on hypercholesterolemia. 50<sup>th</sup> Scientific Congress "International Meeting, Cairo, Egypt".
- Miki M.; Tamai, H. and Mino, M. (1987):** "Free-radical chain oxidation of rat red blood cells by molecular oxygen and its inhibition by  $\alpha$ -Tocopherol". *Arch. Biochem. Biophys.*, 258:373-380.

- Mills, S. and Bone, K. (2000):** Principals and practice of phytotherapy. *Edinburgh, UK, Churchill Livingstone.*
- Mourente, G.; Diaz-Salvago, E.; Tocher, D.R. and Bell, J.G. (2001):** Effects of dietary polyunsaturated fatty acids vitamin E ratio on antioxidant defence mechanisms on juvenile gilthead sea bream. *Fish Physiology and Biochemistry, 23:4, 337-351.*
- Murray, R.K. (2000):** Red and White Blood Cells, in: Harper's Biochemistry, Murrar, R.R. I Gvanner, D.K.; Mayes, P.A.; and Rodwell, V.W., 25<sup>th</sup> international eidition, McGraw-Hill, New York St. louis, San Francisco, Page 767. .
- Nakatani, N. (2000):** Phenolic antioxidants from herbs and spices. *Biofactors., 13: 1-4, 141-146.*
- Newal, C.A.; Anderson, L.A. and Phillipson, J.D. (1996):** Herbal Medicines, A guide for health-care professionals,. *Pharmaceutical Press, London, P. 110-112.*
- Niki, E. (1987):** "Lipid antioxidants: How they may act in biological systems"? *Br. J. Cancer, 55:153-157.*
- Orekhov, A.N.; Baldenkov, G.N.; Khashimov, K.A.; Lyakishev, A.A. and Takachuk, V.A. (1988):** Induction of hyperlipaemia in experimental albino rats. *Am. J. Cardiol. 61, 13, 1116.*
- Paker, L. (1994):** Oxygen radicals in biological systems in *Methods in Enzymology, 223, 40-41.*
- Paget, G.E. and Barnes, J.M. (1964):** In " Toxicity tests" Volume (1) Chapter (6) P. 135-Editor: Laurance. D.R. and Bacharach, A.L. *Academic Press, London, New York.*
- Postaire, E.; Regnault, C.; Simonet, L.; Rousset,G. and Bejot, M.(1995):** Increase of single oxygen protection of erythrocytes by vitamin E, vit. C and  $\beta$ -carotenes intake. *Biochem. Mol. Biol. Int., 35:371-4.*

- Qureshi, A. A.; Sami, S.A.; Salser, W.A. and Khan, F.A. (2001):** Synergistic effect of tocotrienol-rich fraction (TRF 25) of rice bran and lovastatin on lipid parameters in hypercholesterolemic humans. *Journal of Nutritional Biochemistry*, 12: 6,318-329.
- Reitman, S. and Frankel, S. (1957):** A colorimetric method for the determination of serum glutamic oxaloacetic and glutamic pyruvic transaminases. *Am. J. Clin. Path.*, 22l, (56): 56.
- Resurreccion, A.V.A. and Reynolds, J.R. (1990):** Evaluation of natural antioxidants in frank furters containing chicken and pork. *J. Food Sci*, 55: 629-631.
- Richheimer, S. L.; Bernart, M. W.; King, G. A.; Kent, M. C. and Bailey, D. T. (1996):** Antioxidant activity of lipid-soluble phenolic diterpenes from rosemary. *Journal of the American Oil Chemists Society*. 73: 4, 507-514.
- Said, M.M. (1975):** Effect of some hypocholesterolemic agents on blood lipid pattern of white albino rats. *M.Sc. Thesis. Fac. of Agriculture, Biochemistry Dep., Cairo University*.
- Samochowicz, J. and Czerny, B. (1997):** The influence of essential phospholipids (EPL) and allicin on lipid metabolism in man. Wplyw niezbednych fosfolipidow I allicyny na metabolizm lipidowy u ludzi. *Herba-Polonica*, 43:1, 53-57.
- Schermer, S. (1967):** The blood morphol. of lab. animals, 3<sup>rd</sup> ed., Davis, F.A., Company Pheladelphia, W.S.A.P. 42.
- Sen, C.K.; Atalay, M.; Agren, J.; Laaksonen, D.E.; Roy, S. and Hanninen, O. (1997).** Fish oil and vitamin E supplementation in oxidative stress at rest and after physical exercise. *Journal of Applied Physiology*, 83:1, 189-195.

- Sereiti, M.R.; Abu Amer, K.M. and Sen, P.(1999):** Pharmacology of rosemary and its therapeutic potentials. *Indian J. Exp.Biol.*, 37 (2): 124-30.
- Shahidi, F.; Wettasinghe, M.; Amarowicz,R.; Khan, M.A. and Ho, C.T.(1999):** Antioxidants of evening primrose. *Phytochemicals and phytopharmaceuticals*, 278-295.
- Singer, P.; Hoffmann, P.; Beitz, J.; Forsler, W.; Wirth,M. and Godicke, W. (1986):** Serum triglycerides and HDL-cholesterol from SHR after evening primerose oil and other PUSFA supplementation. *Prostaglandins Leukot Med.* 22: 2, 173-7.
- Singh, R.B.; Niaz, M.A.; Agarwal, P.; Begom, R. and Rastogi, S.S. (1995):** Effect of antioxidant-rich foods on plasma ascorbic acid, cardiac enzymes. *J. Am. Diet Assoc.*, 95:775-780.
- Singh, R.B.; Singh, N.K.; Rastogi, S.S.; Wander, G.S.; Mohammad, A.; Onouchi, Z.; Kummerow, F.A. and Nangia, S. (1997):** Antioxidant effects of lovastatin and vitamin E on experimental atherosclerosis in rabbits. *Cardiovascular Drugs and Therapy*, 11:4, 575-580.
- Slater, T.F. (1984):** Nutritional and Health Aspects of Food Antioxidants. *Biochem. J.*, 222.
- Smith, L.L.; ;Mathews, W.S.; Price, V.S., Bachmann,R.C. and Reynolds, B.J. (1967):** Lipid oxidation in biological and food systems.*J. Chromatography*, 27 : 187.
- Stampfer, M.J.; Hennekens, C.H.; Manson, J.A.; Colditz, G.A.; Rosner, B. and Willett, W.C. (1993):** Nutritional and Health Aspects of Food Antioxidants.*Engl. J. Med.*, 328:1444.
- Tabacco, A.; Meiattini, F; Moda, E. and Tarlip (1979):** Simplified enzymitic colorimetric serum urea nitrogen determination. *Clin. Chem.* 25, 336-337.

- Takimoto, G.; Galang, J.; Lee, G.K. and Bradlow, B.A. (1989):** Plasma fibrinolytic activity after ingestion of Omega-3 fatty acids in human subjects. *Thromb. Res.* 15:54, 6, 573-82.
- Tappel, A.L. (1962):** "Oxidative Deterioration of Food Lipids" (*H.W. Schultz, ed.*), Chapters 6 and 19. *Avi Publ., Westport, Connecticut* 20,493.
- Taylor, C.B.; Peng, S.K.; Werthessen, N.T.; Tham, P. and Lee, K.T. (1979):** Lipid oxidation in biological and food systems. *Amer. J. Clin. Nutr.*, 32: 40.
- Thomson, C.D. and Robinson, M.F. (1987):** Effect of importation of high-selenium Australian wheat on blood selenium levels of Otago residents. *Proceeding of the Nutrition Society of New Zealand*, 12: 109.
- Uchiyama, M. and Mihara, M. (1978).** Determination of malonaldehyde precursor in tissues by thiobarbituric acid test. *Anal. Biochem.* 86. 271-278.
- Undrwood, B.A. (1984):** "Vitamin A in animal and human nutrition". In: *The Retinoids*. Vol. 1 (Sporn. M.B.; Roberts, A.B and Goodman, De W.S., eds.). *Academic Press, Inc. New York*, pp. 263-374.
- Van Kampen, E.J. and Zijlstra, W.G. (1967):** International Committee for Standardization in Haematology. *British Journal Haematology*. 13 (Suppl.), 71.
- Washio, M.; Manishi, F.; Onoyama, K.; Okuda, S. and Fujishima, M. (1993):** Effects of antihyperlipidaemic agent or dietary protein restriction on progressive renal deterioration in adriamycin-induced nephropathy in rats. *International Urology and Nephrology*, 25:3, 295-303.
- Weisburger, J.H. (1991):** Nutritional and toxicological consequences of food processing. *Friedman, M. ed., Plenum Press, New York*, P. 137.

**Wiltting, L.A. (1972):** "The role of polyunsaturated fatty acids in determining vitamin E requirements". *Ann. N.Y. Acad. Sci.*, 203: 192-198.

**Wu, J.W.; Lee, M.H.; HO, C.T. and Chang, S.S. (1982):** Elucidation of the chemical structures of natural antioxidants isolated from rosemary. *JAOCS*, 59, 339-345.

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