

References

1. Lloyd-Jones DM, Wilson P W.F, Larson M. G, et al. Framingham risk score and prediction of lifetime risk for coronary heart disease. *Am J Cardiol* 2004;94:20–4.
2. Kazim SM, Ibrahim M. Enhancement of bioavailability using natural ingredients and estimation of drug content by orthogonal polynomials. *International Journal of Chemical Sciences and Applications*. 2, 2011, 100-7.
3. Al-Rawi M, Ali A. Efficacy of Olive Oil Diet on the Histopathological Changes induced in Hypercholesterolemic Rat. *Egypt. Acad. J. Biolog.* 2, 2010: 1- 9.
4. Ebaid G MX, Seiva F RF, Rocha K KHR, Souza G A, Novelli E LB. Effects of olive oil and its minor phenolic constituents on obesity- induced cardiac metabolic changes. *Nutrition J*, 2010: 1 - 9.
5. Yasa M, Turkseven S. Vasoprotective Effects of Nitric Oxide in Atherosclerosis. *FABAD J. Pharm.* 30, 2005: 41-53.
6. Schmitt C. A, Dirsch V. Modulation of endothelial nitric oxide by plant-derived products. University of Vienna, Department of Pharmacognosy. Vienna, Austria.21, 2009: 77–91.
7. Xi-Wen Zhu, Jian-Ping Gong. Expression and Role of ICAM-1 in the Occurrence and Development of Hepatocellular Carcinoma. *Asian Pacific J Cancer Prev*, 14, 2013:1579-83.

8. Faine LA, Diniz YS, Galhardi CM, Rodrigues HR, Burneiko RC. Synergistic action of olive oil supplementation and dietary restriction on serum lipids and cardiac antioxidant defences. 82, 2004 : 969 –75.
9. Arambepola C, Scarborough P, Boxer A , Rayner M. Defining ‘low in fat’ and ‘high in fat’ when applied to a food. British Heart Foundation Health Promotion.12, 2008: 341– 50.
10. Meena S, Abhimanyu G. High-Fat and High-Carbohydrate Diets and Energy Balance. 19,10; 1996: 1142- 52.
11. From: <http://www.food.gov.uk/multimedia/pdfs/pmpreport.pdf>.
12. Covas M.I. Olive oil and the cardiovascular system. Pharmacological Research .55, 2007: 175–86.
13. Ruano J MD, Lopez-Miranda J MD, Fuentes F MD, et al. Phenolic Content of Virgin Olive Oil Improves Ischemic Reactive Hyperemia in Hypercholesterolemic Patients. American College of Cardiology, 46, 2005:1864–68.
14. Buettner R, Scholmerich J, Bollheimer L.C. High-fat Diets: Modeling the Metabolic Disorders of Human Obesity in Rodents. 15. 4; 4:2007. 798- 08.
15. Dietary fats, dietary cholesterol and heart health. 1. CON - 090. www.heartfoundation.org.au/.../Dietary-Fats-QA.pdf.
16. IKEMOTO S, THOMPSON K S, TAKAHASHI M, et al. High fat diet-induced hyperglycemia: Prevention by low level expression of a glucose transporter (GLUT4) minigene in transgenic mice. 92, 4;1995: 3096-99.

17. BA Swinburn, I Caterson, JC Seidell, WPT James. Diet, nutrition and the prevention of excess weight gain and obesity. *Public Health Nutrition*: 7;2004: 123 – 46.
18. Marjorie R, Freedman, Janet King, Eileen Kennedy. Popular Diets: A Scientific Review. *Obesity research*. 9. 3: 2001; 1-40.
19. Pieter R, David B. F, Michael J. Physical properties and functional roles of lipids in membranes. Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of British Columbia, Vancouver. 1996: 1-33.
20. Dowhan W, Bogdanov M. Functional roles of lipids in membranes. *Biochemist of Lipids, Lipoproteins and Membranes* 2002: 1-35.
21. BAILEY J. M, HOWARD B. V, TILLMAN S. F. Lipid Metabolism in Cultured Cells. Utilization of serum triglycerides. 243. 4; 2005: 1249-47.
22. Weintraub W.S. Variance and dissent is atherosclerotic vascular disease related to a high fat diet. 2002: 1064-72.
23. Lipid Metabolism Roles of Lipids - Rose-Hulman. From https://www.rose-hulman.edu/~brandt/Chem331/Lipid_introduction.pdf.
24. D.E. Vance. Lipoprotein structure. Department of Biochemistry, College of Medicine, University of Illinois at Urbana-Champaign. 2002 : 483 - 04.
25. Feingold K R, Staprans I, Memon R A, et al. Endotoxin rapidly induces changes in lipid metabolism that produce hypertriglyceridemia: low doses stimulate hepatic triglyceride production while high doses inhibit clearance. Department of Medicine, University of California, 33; 1992:1765-76.

26. Hu B, Frank MD, Manson J E. MD, Willett W C. MD. Types of Dietary Fat and Risk of Coronary Heart Disease: A Critical Review. Journal of the American College of Nutrition. 20,1; 2001: 5-19.
27. Rustan A. C, Dreven C. A. Fatty Acids: Structures and Properties. University of Oslo, Oslo Norway; 2005: 1-7.
28. European Food Safety Authority (EFSA) Panel on Dietetic Products, Nutrition, and Allergies (NDA). Scientific Opinion on Dietary Reference Values for fats, including saturated fatty acids, polyunsaturated fatty acids, monounsaturated fatty acids, trans fatty acids, and cholesterol. European Food Safety Authority (EFSA) Panel on Dietetic Products, Nutrition, and Allergies (NDA). Parma, Italy. 8, 3; 2010: 1-7.
29. Penny M. Kris-Etherton. Monounsaturated Fatty Acids and Risk of Cardiovascular Disease. American Heart Association. 9; 1999: 1253-58.
30. Eilertsen K-E, Marhre H K, Cludts K, Olsen J O, Hoylaerts M F. Dietary enrichment of apolipoprotein E-deficient mice with extra virgin olive oil in combination with seal oil inhibits atherogenesis. Lipids in Health and Disease 2011: 1- 8.
31. Chemistry and quality of olive oil. From: http://www.dpi.nsw.gov.au/___.../pf227-Chemistry-and-quality-of-olive-oil.pdf.
32. Owen R W, Haubner R, Wurtele G, et al. Olives and olive oil in cancer prevention. 13,4;2004:319–26.
33. Cicero A F.G. MD, Nascetti S MD, Lopez -Sabater M C. MD, et al. Changes in LDL Fatty Acid Composition as a Response to Olive Oil Treatment Are

- Inversely Related to Lipid Oxidative Damage: The EUROLIVE Study. *Journal of the American College of Nutrition*. 27. 2, 2008: 314–20.
34. Visioli F, Bogani P, Galli C. Healthful Properties of Olive Oil Minor Components. University of Milan, Department of Pharmacological Sciences, Milan, Italy. 2006: 173-90.
 35. Khymenets O. Health benefits of olive oil: Contribution of phenolic compounds and transcriptomic response in humans. pompeu fabra university. Department of Experimental and Health Science. Doctoral thesis. 4; 2010: 1-358.
 36. GraZyna L. Endothelial Nitric Oxide Synthase, Nitric Oxide and Metabolic Disturbances in the Vascular System. University of Physical Education, Warsaw, Poland. 2012:135-55.
 37. Razny U, Kiec-Wilk B, Wator L, et al. Increased nitric oxide availability attenuates high fat diet metabolic alterations and gene expression associated with insulin resistance. 2011: 1-14.
 38. Nishevitha N.S, Angeline T , Jeyaraj N. Endothelial nitric oxide synthase (eNOS) Glu298Asp polymorphism (G894T) among south Indians. Research Department of Zoology & Biotechnology, Lady Doak College, Madurai, India. 129, 1; 2009: 68-71.
 39. Nicholas J, Keith M. Regulation of Endothelial Nitric Oxide Synthase by Tetrahydrobiopterin in Vascular Disease. *Arterioscler Thromb Vasc Biol*. 24; 2004:413-20.

40. Cortes B BS, Nunez I MD, Cofan M, et al. Acute Effects of High-Fat Meals Enriched With Walnuts or Olive Oil on Postprandial Endothelial Function. 48. 8, 2006:1666–71.
41. Kenneth A. Roebuck, Alison Finnegan. Regulation of intercellular adhesion molecule-1 (CD54) gene expression. Departments of Immunology/ Microbiology and Rheumatology, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois. 66, 12;1999: 876- 88.
42. Wolf S I, Lawson C. ICAM-1: Contribution to Vascular Inflammation and Early Atherosclerosis. Dept of Veterinary Basic Sciences, Royal Veterinary College United Kingdom. 65; 2012:65-90.
43. KLIMUK S. K, SEMPLE S. C, NAHIRNEY P. N, et al. Enhanced Anti-Inflammatory Activity of a Liposomal Intercellular Adhesion Molecule-1 Antisense Oligodeoxynucleotide in an Acute Model of Contact Hypersensitivity. Departments of Biochemistry and Molecular Biology (S.K.K.) and Anatomy (P.N.N.). The University of British. 292, 1999: 480–88.
44. Murwani S, M Ali, K Muliarta, 2006. ATHEROGENIC DIET OF WHITE-RAT (*Rattus norvegicus* strain Wistar) AS ATHEROSCLEROTIC ANIMAL MODEL. Jurnal Kedokteran Brawijaya XXII: 4.
45. Forstermann U, We Sessa, Nitric oxide synthases: regulation and function. Eur Heart J 33: 829-37, 837a-837d.

46. Yang Y, N Lu, D Chen, L Meng, Y Zheng, R Hui, Effects of n-3 PUFA supplementation on plasma soluble adhesion molecules: a meta-analysis of randomized controlled trials. *Am J Clin Nutr* 95: 972-80.
47. Shi Q, Vandeberg F.J, Jett C, et al. Arterial endothelial dysfunction in baboons fed a high-cholesterol, high-fat diet. *Am J Clin Nutr*, 2005;82:751–59.
48. Huang K, Y Huang, J Frankel, C Addis, L Jaswani, Ps Wehner, Ei Mangiarua, Wd Mccumbee, The short-term consumption of a moderately high-fat diet alters nitric oxide bioavailability in lean female Zucker rats. *Can J Physiol Pharmacol* 89: 245-57.
49. Van-Assche T, V Huygelen, Mj Crabtree, C Antoniades, Gene therapy targeting inflammation in atherosclerosis. *Curr Pharm Des* 17: 4210-23.
50. Itabe H, T Takano, 2000. Oxidized low density lipoprotein: the occurrence and metabolism in circulation and in foam cells. *J Atheroscler Thromb* 7: 123-31.
51. Dushkin Mi, Macrophage/foam cell is an attribute of inflammation: mechanisms of formation and functional role. *Biochemistry (Mosc)* 77: 327-38.
52. Li D, JI Mehta, 2003. 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors protect against oxidized low-density lipoprotein-induced endothelial dysfunction. *Endothelium* 10: 17-21.
53. Haidar, D Soeatmadji, 2007. Effect of High-Carbohydrat and High Fat Diet on Formation of Foam Cells and Expression of TNF-alpha in *Rattus Novergicus*. *Acta Med Indones-Indones J Intern Med* 39: 5.

54. Seidel M, H Billert, M Kurpisz, 2006. Regulation of eNOS expression in HCAEC cell line treated with opioids and proinflammatory cytokines. *Kardiol Pol* 64: 153-8; discussion 159-60.
55. Siasos G, D Tousoulis, Z Siasou, C Stefanadis, Ag Papavassiliou, 2007. Shear stress, protein kinases and atherosclerosis. *Curr Med Chem* 14: 1567-72.
56. Siddiqui Aj, T Gustafsson, H Fischer, U Widegren, X Hao, A Mansson-Broberg, Kh Grinnemo, G Dellgren, C Sylven, 2004. Simvastatin enhances myocardial angiogenesis induced by vascular endothelial growth factor gene transfer. *J Mol Cell Cardiol* 37: 1235-44.
57. Kobayashi N, K Yoshida, S Mita, T Honda, K Hara, S Nakano, Y Tsubokou, H Matsuoka, 2004. Betaxolol stimulates eNOS production associated with LOX-1 and VEGF in Dahl salt-sensitive rats. *J Hypertens* 22: 1397-402.
58. Li Dy, Hj Chen, JI Mehta, 2001. Statins inhibit oxidized-LDL-mediated LOX-1 expression, uptake of oxidized-LDL and reduction in PKB phosphorylation. *Cardiovasc Res* 52: 130-5.
59. Li D, JI Mehta, 2000. Upregulation of endothelial receptor for oxidized LDL (LOX-1) by oxidized LDL and implications in apoptosis of human coronary artery endothelial cells: evidence from use of antisense LOX-1 mRNA and chemical inhibitors. *Arterioscler Thromb Vasc Biol* 20: 1116-22.
60. Sakurai K, T Sawamura, 2003. Stress and vascular responses: endothelial dysfunction via lectin-like oxidized low-density lipoprotein receptor-1: close relationships with oxidative stress. *J Pharmacol Sci* 91: 182-6.

61. Mehta JL, Dy Li, Hj Chen, J Joseph, F Romeo, 2001. Inhibition of LOX-1 by statins may relate to upregulation of eNOS. *Biochem Biophys Res Commun* 289: 857-61.
62. Visioli F, Bogani P, Grande S, et al. Olive oil and oxidative stress. University of Milan, Department of Pharmacological Sciences, Milan, Italy. 55. 1 (2004), 66-75.
63. Rodella L. F, Favero G. Atherosclerosis and Current Anti-Oxidant Strategies for Atheroprotection. <http://dx.doi.org/10.5772/53035>.