Mercodia Oxidized LDL ELISA (mAb 4E6)
Annotated bibliography

Selected list of journal articles grouped into topics.
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1. Adiponectin & Leptin


2. ADMA & sLOX-1


3. Aging


4. Animal models


Holvoet P, Collen D. Beta-VLDL hypercholestesterolemia relative to LDL hypercholesterolemia is associated with higher levels of oxidized lipoproteins and a more rapid progression of coronary atherosclerosis in rabbits. Arterioscler Thromb Vasc Biol. 1997; 17(11):2376-82.


5. Analytical performance


6. Antihypertensive drugs-Hypertension


7. Atherosclerosis, peripheral (PAD)


8. Atherosclerosis, subclinical


9. “Cholesterol lowering” drugs


10. Coronary artery disease


11. Coronary artery disease, prediction


**Egom EE, Mamas MA, Chacko S et al.** Serum sphingolipids level as a potential marker for early Detection of human myocardial ischaemic injury. Frontiers Physiol. 2013;4:

**Fraley AE, Tsimikas S.** Clinical applications of circulating oxidized low-density lipoprotein biomarkers in cardiovascular disease. Curr Opin Lipidol 2006;17:502-509.


12. Diabetes


Kelly AS, Bergenstal RM, Gonzalez-Campoy JM, et al. Effects of exenatide vs. metformin on endothelial function in obese patients with pre-diabetes: a randomized trial. Cardiovasc Diabetology 2012;11:64-


Woo J, Yeo NH, Shin KO. et al. Antioxidant enzyme activities and DNA damage in children with type 1 diabetes mellitus after 12 weeks of exercise. Acta Paediatrica. 2010:

13. Diet and Nutrition

1. Berries and fruits


2. Mediterranean diet


3. Nuts


4. PUFA (polyunsaturated fatty acid, olive oil, omega-3,6 fatty acids)


5. Red wine


6. Vitamins


Gutierrez AD, de Serna DG, Robinson I. et al. The response of gamma vitamin E to varying dosages of alpha vitamin E plus vitamin C. Metabolism. 2009;58:469-78.
7. Western diet


8. Miscellaneous


**Blesso CN, Andersen CJ, Barona J et al.** Whole egg consumption improves lipoprotein profiles and insulin sensitivity to a greater extent than yolk-free egg substitute in individuals with metabolic syndrome. Metabolism 2013;62:400-410


14. Gene expression


15. Heart disease


### 16. Infection


**Zidar DA, Juchnowski S, Ferrari B, et al.** Oxidized LDL levels are increased in HIV infection and may drive monocyte activation. J Acquir Immune Defic Syndr. 2015
17. Iron metabolism


18. Kidney diseases


19. Liver disease (steatosis)


Notarnicola M, Tutino V, Osella AR et al. Increased serum levels of oxidative stress markers in patients with liver steatosis. J Liver 2013;2:3

20. Lp-PLA2 (Lipoprotein-associated phospholipase A2 activity and mass)


Tsimikas S. In vivo markers of oxidative stress and therapeutic interventions. Am J Cardiol. 2008;101:34D-42D.


21. Metabolic syndrome


Holvoet P. Obesity, the metabolic syndrome, and oxidized LDL. (Letter to the Editor). Am J Clin Nutr 2006;83:1438-43.


22. Myeloperoxidase (MPO)


23. Obesity


24. Oxidative stress


van Tits LJ, Stalenhoef AF. Oxidized low-density lipoprotein is not equal to oxidative stress. Am J Cardiol. 2008;102:1118.


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26. PCI (Percutaneous coronary intervention)


27. Pediatrics


28. Physical activity


29. Plaque composition (Imaging)


30. Polycystic ovary syndrome (PCOS)


31. Pregnancy


32. Rheumatoid arthritis (RA), Systemic Lupus Erythematosus (SLE) and Psoriasis


33. Race/Gender/Ethnicity


Hermsdorff HH, Barbosa KB, Volp AC et al. Gender-specific relationships between plasma oxidized low-density lipoprotein cholesterol, total antioxidant capacity, and central adiposity indicators. Eur J Prev Cardiol. 2012


34. Reviews


Tsimikas S. In vivo markers of oxidative stress and therapeutic interventions. Am J Cardiol. 2008;101:34D-42D.

35. Stroke


36. Thyroid disease


**Duntas LH, Mantzou E, Koutras DA.** Circulating levels of oxidized low-density lipoprotein in overt mild hypothyroidism. Thyroid. 2002;12:1003-1007.

37. Miscellaneous


Mercodia AB is a Swedish biotech company focusing on the development of immunoassays for research within the field of metabolic disorders. Our assays are applicable to both animal and human models and are used for research ranging from basic scientific studies to large pre-clinical and clinical phase trials. The company was founded in 1991 and is today a world-leading supplier of products to all major international markets. More than ninety percent of our production is exported from our facilities in Uppsala to approximately 100 different countries around the world.

Mercodia provides a professional scientific support system by collaborating with customers and institutions worldwide to develop novel applications for existing products and unique diagnostics for emerging markets.