

# **EFFECT OF SIMVASTATIN ON THE OXIDATION OF NATIVE AND MODIFIED LIPOPROTEINS.**

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Primary hypercholesterolemia is a key risk factor for atherosclerosis and coronary heart disease. Low density lipoprotein (LDL), especially its modified forms (oxidized or glycated = non-enzymatically glycosylated) are favouring atherosclerosis. Therefore, the inhibition of such modifications is very important. The authors investigated the antioxidative effect of statins such as simvastatin on oxidation of native and modified LDL as well as HDL. They have found that simvastatin is able to inhibit oxidation of different forms of LDL for the quite long time period up to 24h. These data showed that simvastatin beside its lipid lowering action has also significant antioxidative properties.