

References



Job: Books Conferences News About Us Home Journals Home > Journal > Biomedical & Life Sciences | Medicine & Healthcare > OJGen Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues OJGen> Vol.2 No.4, December 2012 • Special Issues Guideline OPEN ACCESS OJGen Subscription Impact of obesity and Ala16Val MnSOD polymorphism interaction on lipid, inflammatory and oxidative blood biomarkers Most popular papers in OJGen PDF (Size: 305KB) PP. 202-209 DOI: 10.4236/ojgen.2012.24026 About OJGen News Author(s) Maria Fernanda Manica-Cattani, Francine Carla Cadoná, Raul de Oliveira, Tális da Silva, Alencar Kolinski Frequently Asked Questions Machado, Fernanda Barbisan, Marta Maria Medeiros Frescura Duarte, Ivana Beatrice Manica da Cruz **ABSTRACT** Recommend to Peers Previous investigations suggest association between obesity and Ala16Val MnSOD gene polymorphism. The V allele produces enzyme which not catalyze the superoxide anion efficiently as occurs with A allele. As obesity is related to Recommend to Library development of other metabolic disorders we performed a study that analyzed the effect of interaction between Ala16Val MnSOD polymorphism and obesity on lipid, oxidative and inflammatory biomarkers of adult subjects. The Contact Us study enrolled 161 volunteers as categorized in six groups with different genotypes: Obeses with different genotypes (AAO, VVO and AVO) and nonobese (AANO, VVNO and AVNO). In general the group AANO presented lower values whereas VVO presented higher values of biomarkers analyzed. These results suggest that oxidative metabolism Downloads: 42,270 influenced by genetic status could to minimize or maximize the obesity effects on lipid, oxidative and inflammatory biomarkers that are also implicated in the genesis of important dysfunctions and diseases as atherosclerosis, diabetes Visits: 114,429 2 and cardiovascular morbidities. **KEYWORDS** Sponsors >> Ala16Val MnSOD Polymorphism; Obesity; Oxidative Stress; Inflammation; Oxidized LDL; Anti-Oxidized LDL; Hs-PCR The Conference on Computationa and Systems Biology (CCSB) Cite this paper Manica-Cattani, M., Cadoná, F., Oliveira, R., Silva, T., Machado, A., Barbisan, F., Duarte, M. and Cruz, I. (2012) Impact of obesity and Ala16Val MnSOD polymorphism interaction on lipid, inflammatory and oxidative blood biomarkers. Open Journal of Genetics, 2, 202-209. doi: 10.4236/ojgen.2012.24026.