

Abstract

*Charles University in Prague
Faculty of Pharmacy in Hradec Králové
Department of Biological and Medical Sciences*

*Mgr. Lucie Nagyová
Consultant: doc. RNDr. Vladimír Semecký, CSc.*

*Metabolic Syndrome – Changing Profile of Risks
Rigorous work*

The aim of this work is to discover how hypolipidemic statine treatment changes lipid spektrum and other laboratory markers in patients. And to discover how metformine treatment influences levels of glycated hemoglobine and glycemia. Patients taking statins were compared according to a type of statin they have had to simvastatine - Simvor® group and atorvastatine - Atoris® group.

We did not manage to prove positive effect of hypolipidemic treatment to laboratory markers. However, atorvastatine group had lower lipid levels than simvastatine group. Patients taking metformine had lower glycemia, lower glycated hemoglobine and lower CRP levels.

Next testing of larger and more homogenic group is necessary.