

Abstract

Cholesterol and lipoproteins, their impact (aspect) on human health

The thesis is focused on cholesterol, lipoproteins and their metabolism. Detail is devoted to their characteristics, significance, function in the body and the effects on human health. The first chapter summarizes informations about cholesterol chemical properties and structure, through its processing to the characteristic, importance and function in the human body. There are analyzed opportunities to affect cholesterol levels. The second chapter presents lipoproteins as particles for our body essential. It includes their characteristic, classification, meaning and function in the body. The third chapter provides information about dyslipidemia. It focuses on the classification, significance and treatment. The following chapter deals with atherosclerosis, its causes, consequences and risks. A recent chapter presents a brief overview from part of laboratory analyzes on lipid and lipoproteins.

Key words: Cholesterol, lipoprotein, dyslipidemia, hyperlipoproteinemia, atherosclerosis.