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The Problem of Lipid Exchange in Vessel Walls in Insulin Deficit

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Keywords
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Abstract: It has been revealed that in alloxane diabetes the content of the main phospholipids - phosphatidylcholine, phosphatidyletanolamine and phosphatidyl-phosphatidylinosite -decreases in the cells of the vascular wall, whereas the content of the methyl ethers of the fatty acids is not changed, and the content of the fractions of lipids (monoglycerides, diglycerides, triglycerides, cholesterol, free fatty acids, and cholesterol ethers) and phospholipids (phosphatidylserine, cardiolipin, lysophosphatidyletanolamine, lysocardiolipin, sphingomyelin, phosphatide acid and lysophosphatide acid) increase. The depth of these changes correlates with the heaviness of the pathological process.

Key Words: alloxane diabetes, phospholipid, vascular, hypertensive, enzymes

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