

DISTURBANCES OF POLYUNSATURATED FATTY ACIDS AND EIKOSANOIDS  
METABOLISM IN ETHANOL INTOXICATION

Summary

The toxic effects of ethanol are connected with the disturbances of the metabolism of polyunsaturated fatty acids and eicosanoids. Ethanol induces a decrease of the uptake of linoleic acid and inhibits the conversion of this substance to arachidonic acid, and stimulates the metabolism of dihomo-gamma-linoleic acid and arachidonic acid to prostaglandins PGE<sub>1</sub> and PGI<sub>2</sub>.

The consequence of these changes are the disturbances of the behaviour, hemostatic functions of blood platelets, cardiovascular system and symptoms of liver damage.

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