Liver Research Directory

Changes in energy metabolism parameters of the liver in acute fluoride intoxication and Hyperbaric Oxygenation

[Zmina pokaznykov energetychnogo metabolizmu v pechintsi pry gostriji intosykyatsii ftorydom natriiu i zastosuvanni giperbarychnoi okxygenatsii.]

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Examinations of energetic metabolism in liver of white rats with acute fluoride intoxication were carried out in acute and recovering periods. The influence of hyperbaric oxygenation on the change of energetic metabolism indices and on survival rates of animals has been studied. Hyperbaric oxygenation greatly prevented profound metabolic disturbances, in particular, ATP, increased detoxic in liver intensifying energetic forming processes. The survival rate of animals under the influence of course of HBO increased by 27% during first 72 hours. It was determined that HBO has an effective influence on the course of recovering period during fluoride intoxication.

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