Liver Research Directory

Some pathogenetic aspects of developing liver failure and preventing it in patients with liver cirrhosis after portosystemic shunting

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Patients with cirrhosis of the liver were found to have a considerable suppression of the system of biotransformation of the liver before operation which correlated with the data of the direct indices of monooxygenase system of hepatocytes—cytochrome P-450 and activity of N-demethylase of amidopyrine. Operative interventions on such patients independent of the type of portosystemic shunting result in considerably decreased content of metabolites of amidopyrine—4AAP and N-ac-4-APP in urine as compared with the preoperative level (p < 0.05).

Hyperbaric oxygenation is the optimal stimulator of activity of the liver biotransformation system. Better indicators characterizing the increased metabolic activity of the liver were noted in patients with selective portosystemic anastomoses and hyperbaric oxygenation in the postoperative period.

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