

CHEMOTHERAPY INFLUENCE ON LIVER TISSUE MICROREGION MORPHOLOGICAL CHANGES IN RATS WITH WALKER-256 CARCINOSARCOMA

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Liver morphology features have been investigated in male Wistar carcinosarcoma-bearing rats at the 3^d day after cytostatic treatment. The area of cytoplasm, hepatocytes nuclei, sinusoids and sinusoidal cells total area have been determined at liver slices; hepatocytes, diplocariocytes, and sinusoidal cells number density has been counted. Analysis of vascular bed and lymphatic spaces of Mall was carried out. The findings testify for adaptive processes mobilization: tissue drainage activation, hypoxia decrease and hepatocytes potential intensification. Characteristics of the organ regeneration stimulation have been revealed in the form of hepatocytes polyploidization and hypertrophy, which could be considered as liver compensatory changes against the background of the drug effect.

Key words: carcinosarcoma Walker 256, cyclophosphamide, hepatocyte regeneration.

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