FEATURES OF THE PEYER'S PATCHES SMALL INTESTINE OF THE IMMATURE RATS AFTER CYCLOPHOSPHAMIDE INGECTION

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Peyer's patches of the small intestine is one of the first barrier against antigens in the human body. They are dynamic systems, and actively respond to external and internal factors. The aim of this study was to determine the effect of cyclophosphamide on the structure of Peyer's patches of the small intestine of immature rats.The study was conducted on 36 albino immature male rats weighing 60-90 g.

After the removal of animals from experiment 3, 15 and 60 day after cyclophosphamide ingection (200 mg) isolated small intestine and fixed it in formaline. Histological preparations were made, and then they were stained with hematoxylin-eosin.On microscopic examination, with the overall decrease in the lymphocyte population, identifies clusters of macrophages, consisting of 6-8 large cells. These formations are found in the germinal center, the peripheral zone, at least in internodular zone. In the dome are not detected. Number of clusters is increased to 60 days, where they are located clusters

Given these results, it should be noted that in the context of the cytostatic effect on the appearance of cyclophosphamide concentrations of macrophages, which may be due to an unsufficiency of lymphocytes against antigenic load in the small intestine.

Актуальні питання теоретичної та клінічної медицини : збірник тез доповідей Міжнародної науково-практичної конференції студентів та молодих вчених, м. Суми, 10-12 квітня 2013 р. / Відп. за вип. М.В. Погорєлов. — Суми : СумДУ, 2013. — С. 24-25.