

Structural changes in the mucous membranes of the upper gastrointestinal tract in experimental gastroduodenitis

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Summary. The results of long-term intragastric administration of the bile to laboratory rats are examined. The experiment was reproduced on immature rats of both sexes of Wistar (28 animals of experimental group, 12 – control). Morphologic study finds non-uniform thickness of gingival epithelium, the presence of phenomena dyskeratosis, incomplete keratinization. Degenerative changes in the granular layer, the basal layer of the epithelium in places represented by two rows of cells, which constitutes a violation of trophic epithelium and cell division are marked. In the lamina propria gum thickened collagen fibers and sealed, there are phenomena fibrosis and obstruction of blood capillaries. Microscopic examination of the gastric mucosa observed shallow defects of the epithelium, glands gaps widened, glandular cells increased. In the stroma defines the fibrosis and dense lymphocytic infiltration with a mixture of eosinophils. In the duodenum in the proximal mucosa glandular epithelial desquamation, superficial erosion of the proximal villi, covered a lot of mucus are marked. In the submucosal layer there are sharply fully fledged vessels. In the mucosa there are stasis in the capillaries, which constitutes a violation of the microcirculatory level of the vascular system. The findings suggest that the role of functional disorders of the digestive tract in the pathogenesis of gastroduodenal comorbidity and periodontal tissues.

Key words: experimental gastroduodenitis, bile, gum.

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