

THE REACTION OF MUCOUS MEMBRANE OF UTERUS CERVIX OF RABBITS ON SURPLUS CONTAINING SEX HORMONES IN EXPERIMENT

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To appraise adaptive and compensate mechanisms of mucous membrane of rabbit's uterus cervix, we carried out the experiments on study of influence of different substances on its structure components in order to create experimental models of uterus cervix erosion conditions. In one of experiment series, the influence of destroyed hormone homeostasis on mucous membrane of uterus cervix of chinchilla does was investigated by introduction of sex hormone tampons (testosterone-propionate with progesterone). We used these animals, because they have not regularity sex cycle, the rabbit's does have provoke ovulation. In the end of the experiment we made fixation and material treatment on generally accepted methods. As result, we observed irregular structure of uterus cervix mucous membrane with folds formation of different sizes and heterogenic epithelium, which was oftener inlayer, seldom - polysyllabic. In separate cases pronounced epithelium diskvamacia was observed. On the border with subepithelium connective tissue, we observed chinc spaces and irregular marked leukocyte infiltration. On some sections, lack of basement membrane was determined. The character of ergastoplasm disposition during research indicated disorganization of epithelium cells in connection with disorderly location their intracellular structures, especially in deep cells section. On the whole, the experiment data demonstrate the loosing of epithelium tissue its more character sings during surplus sex hormones introduction, that simultaneously lead to reactive processes in own plate. During morphologic research, nucleus volume increasing was determined, average to 108 mkm (control 31 mkm), cytoplasm - to 236 mkm (control 48 mkm), correlation coefficient $r=0,6$. More obviously, these changes are determined during combined using of different directed action. Thus, discomplexation and disorganization of epithelium layer cells are more character manifestation, which appear during hormone homeostasis destroy of mucous membrane of uterus cervix, and structure changes are similar with erosion process.