

INCIDENCE OF PATHOLOGY IN DOGS PROSTATE AND ITS HISTOMORPHOLOGY

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Summary. We examined prostatic glands from 69 pure breed and mixed breed dogs. That were three groups : I - 1-5 years, II - 6 – 10 years, III 16- 11 years and elder. Histological, histochemical and cytological examination was performed. Index was evaluated of all prostate. Five prostate from dogs 1 – 5 years age had normal histological feature without increased index. Prostate from 4 dogs was atrophied. Prostate glands from 58 dogs was increased. In 61 glands we found various pathology: epithelial, epithelial – cystic hyperplasia, intraepithelial neoplasia, fibrotic nodule, inflammation, extensive cysts, purulent cyst, atrophy, carcinoma, squamous metaplasia. Commonly pathology in dogs prostate is epithelial hyperplasia, epithelial – cystic hyperplasia. We found this pathology in I group - 72 %, in II - 83% and in III - 93% per cases. Mucinous metaplasia was only suspected. We have performed staining for acid and neutral mucins, but mucinous metaplasia was not observed.

Keywords: dog, prostate, epithelial hyperplasia, epithelial – cystic hyperplasia.