

THE INFLUENCE OF DOGS AGE AND BREED ON PROSTATE HYPERPLASIA

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Summary. The influence of age and breed on prostate hyperplasia in 126 of 1-17 years age purebreed (92) and mongrel dogs (34) were investigated. According age dogs were divided into 3 groups: – 1-5 years (Group 1), 6-10 years (Group 2) and > 10 years (Group 3). Our study have shown, that prostate hyperplasia macroscopically was detected in 95 dogs (75,4 %), and microscopically in 113 dogs (89,7%). However, only in sporadic cases clinical changes were observed (6,3%). Prostate enlargement was registered in 76,1% of pure breed dogs and in 73,5% of mongrel dogs ($p>0,05$). It was estimated, that in Groups 1-3 prostate enlargement statistically significantly correlated with increase of dogs age ($p<0,05$). Although, prostate weight and index has increased with dogs age. In Group 3 was registered 50% of cases of prostate hyperplasia and high prevalence of prostate atrophy. The cases of epithelial hyperplasia with dogs age have decreased and the opposite occurred in cases of epithelial cystic hyperplasia.

Keywords: dogs, prostate hyperplasia, breed, age.