

INFLUENCE OF AGE, BREED AND SEX ON CHRONIC RENAL FAILURE MORBIDITY IN DOG

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Summary. Dogs chronic renal failure (CRF) is common disease in Lithuania, because from 1600 dogs treated annually at L. Kriaučeliūnas Small Animals Clinics of Lithuania Veterinary Academy 3.6% suffered on CRF.

For dogs, which have shown clinical symptoms of CRF, blood phormula, amount of creatinine (CREA) and urea (UREA) in blood and urine were measured. In 2000 CRF was registered in 12 cases, 1.9 % from the total amount of dogs with diseases of internal organs. However, in 2003 CFR was found in 40 dogs (5.7%), respectively.

In 2001-2004 analysis of different breed of dogs have shown that CRF most often had dogs in group “other breeds“. Serological tests have shown that 65% of dogs in 2001, 77.8%, in 2002, 47.5% in 2003 and 57.5% in 2004 also were from “other breeds“ group. From remaining breeds of dogs it was revealed that bullterrier or spaniel breed dogs had highest tendency to CRF, German shepherd and rotweiler breed dogs were in lower group of risk to CRF and in rotweiler breed dogs CRF had a lowest prevalence - from 0% to 16.7% of all registered CRF cases, respectively.

In 2001 – 2004 dogs aged from 6 to 9 years had highest prevalence of CRF (from 32.5% to 51.8% of total CRF cases). Furthermore, dogs aged less than 3 years have shown from 3.7% to 15%, and dogs aged from 3 to 6 years from 10% to 17.5% of total CRF cases. There were no statistical significant results on the influence of sex of dogs on the prevalence of CRF.

Keywords: dogs, chronic renal failure, uremia.