

EMBRYONAL NEPHROMA IN AN EIGHT-YEAR-OLD ALSATIAN DOG

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ABSTRACT

Embryonal nephroma (nephroblastoma) is a tumor arising from primordia renal tissue and in dogs is most common in animals less than one year old. An eight-year-old Alsatian dog was presented with a markedly enlarged abdomen.

An intrabdominal mass which weighed 10.3kg at necropsy (about 30% of body weight) had shown an extremely rapid increase in size of about 8kg within seven weeks preceding euthanasia. The mass which was attached to the cortical surface of the kidney was linn and dissected into lobules by fibrous connective tissue. The hemogram revealed a severe non-responsive anaemia ($Hb < 20\%$) and a marked neutrophilic leucocytosis with left snnt (wbc $45.2 \times 10^9/fL$; neutrophils $40.3 \times 10^9/fL$). There was also moderate hypoalbuminemia (albumin 17g/dL) and a low A:G ratio (0.32). Histologically, the picture was a mixture of a carcinoma and a fibrosarcoma without, except for occasional tubule formation. differentiation towards recognizable structures characteristic of adult kidney. There was no apparent metastasis of the tumor.

Keywords:

Embryonal, nephroma, nephroblastoma, renal, dog.