

## Renal Nephroblastoma in a Dog

Jiyoung An, Ise O, Seongjun Park, Sungwhan Cho, Youngwon Lee, Hojung Choi\*

*College of Veterinary Medicine · Research Institute of Veterinary Medicine  
Chungnam National University*

**Signalment:** A seven year-old female Pointer dog was presented with hematuria and weight loss for one month. For the diagnosis, physical examination, complete blood cell counts, serum biochemistry, radiography, ultrasonography, excretory urography, computed tomography, and histopathological examination were performed.

**Results:** Physical examination revealed a left abdominal mass. The complete blood cell counts reduced level of RBC and PCV. Radiography showed caudoabdominal mass with calcifying lesion, and pulmonary metastasis. Ultrasonographic findings were presented with calcification and cystic area within the abdominal mass. On CT images, the diameter of abdominal mass measured in 15cm, with partial contrast enhancement. Left kidney could not be found on ultrasonography, computed tomography and excretory urography. Postmortem histopathologic examination was revealed as nephroblastoma. Based on these findings, the dog was diagnosed with renal nephroblastoma with pulmonary metastasis.

**Clinical relevance:** Primary renal tumors are uncommon. The reported incidence is between 0.3% and 1.7% of all reported tumors in dogs. Nephroblastoma is a rare tumor usually seen in young dogs but reported in dogs up to 8 years of age. This report describes the primary nephroblastomas in old pointer dog.

**Key words:** nephroblastoma, CT, Ultrasonography, dog

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\* Corresponding author: [hjchoi@cnu.ac.kr](mailto:hjchoi@cnu.ac.kr)