

## Metastatic Adrenal Gland Tumor in a Mixed Breed Dog

Chaeyoung Lim, Hyunjung Sung, Kidong Eom<sup>1</sup>, Daeyoung Kim<sup>2</sup> and Heemyung Park\*

*BK21 Basic & Diagnostic Veterinary Specialist Program for Animal Diseases and Department of Veterinary Internal Medicine, and <sup>1</sup>Radiology and Diagnostic Imaging, College of Veterinary Medicine, Konkuk University, Seoul, Korea, <sup>2</sup>Department of Veterinary Pathobiology, College of Veterinary Medicine, University of Missouri-Columbia, U.S.A*

**Signalment:** A 10-year-old, neutered female mixed breed dog was referred with a history of constipation, vomiting and hyperpigmentation.

**Results:** Hyperpigmentation of the trunk and symmetrical alopecia were noted on physical examination. Complete blood count was within normal range. Mildly elevated creatine kinase was detected on serum biochemical profiles. Serum cortisol and aldosterone level were within normal range. Radiographic examination revealed enlarged mediastinum and a soft tissue density mass in the craniomedial to the right kidney and sublumbar region. Tumor invasion to the caudal vena cava was detected on ultrasonographic examination. Cytologic examination of the mediastinal mass and sublumbar mass showed neuroendocrine tumor, and laparoscopic biopsy from sublumbar mass revealed metastatic carcinoma. Metastatic adrenal gland tumor was suspected based on clinical and diagnostic findings. Although chemotherapy with carboplatin and doxorubicin was initiated, the tumor was progressively enlarged.

**Clinical Relevance:** This case report demonstrates clinical features of non-resectable adrenal gland tumor metastasized to mediastinum, abdominal lymph nodes and caudal vena cava.

**Key words:** adrenal gland tumor, carboplatin, doxorubicin, metastasis, dog

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\*Corresponding author: parkhee@konkuk.ac.kr