



Poster

## A case of cutaneous mast cell tumor in a dog

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### Abstract

Cutaneous mast cell tumors comprise approximately 20% of cutaneous tumors in dogs. It is commonly seen as solitary nodules on the skin. A 14-year-old, male, labrador crossbreed dog was brought to the Istanbul University-Cerrahpaşa Veterinary Faculty internal medicine polyclinic due to the formation of generalized nodules that started on the right hind leg and spread to the head, abdomen, scrotum and lateral thorax within a month. On physical examination, body temperature was 39,1°C, swelling in the submandibular lymph nodes, and widespread erythematous and nodular structures on the skin were observed. Hemogram and serum biochemistry analyzes were within normal ranges. Biopsies were taken from 0,5 – 0,6 cm diameter nodules in order to reach a definitive diagnosis of the patient who had not received any treatment before. Neoplastic mast cell accumulations with rounded morphology were observed in the dermis. Masitinib 12,5 mg/kg/day, PO (Masivet®) was administered to the patient who was diagnosed with Stage 2 cutaneous mast cell tumor according to Patnaik grading system. After 17 days of treatment, the patient showed significant clinical improvement. The disease relapsed after a 1-month break from the treatment. 15 mg/kg/day PO, Mastinib together with 1 mg/kg methylprednisolone (Prednol®) 1mg/kg PO were administered, but no regression was observed in the nodules. Due to severe lethargy, vomiting, anorexia, and spread of the masses, the patient was euthanized with the request of the owner. In our opinion, cutaneous mast cell tumors should be considered by clinician veterinarians in the evaluation of nodular skin diseases.

**Keywords:** Mast cell, tumour, dog, masitinib

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