

## **Fibrosarcoma in a Dog**

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**Introduction:** Fibrosarcomas are malignant tumors of fibrocytes. They arise in the skin or subcutis and can invade muscle and bone. They commonly occur on the trunk, extremities, and head.

**Materials and methods:** An 8-year-old, male Pekinese was presented with a few month history of a rapid-growing enlarging mass on the trunk(11cm x 6cm)and right proximal humerous region(2.5cm x 2.5cm). The mass was firm, capsulized, fixed mass involving the trunk and extremities. On a radiographic view, pulmonary metastasis was suspected. Biopsy and MRI were performed

**Results:** On a MRI, The mass did not involve spinous process but located deep into muscle layer. On a thoracic radiographic view after 2 weeks, pulmonary nodule was presented. On histopathologyexamination, the mass was diagnosed as fibrosarcoma. pulmonary nodule was increased on a thoracic radiographic view after 4 weeks and clinical sign such as vomiting, anorexia, weight loss was present. Euthanasia was performed by owner request. metastasis was confirmed at postmortem examination

**Clinical relevance:** Infiltration extent were assessed by MRI. Surgical intervention was not performed because pulmonary metastasis were suspected by radiography in 2 and 4 weeks of follow up. Metastasis of lung and kidney were identified in postmortem examination.

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