



PATIENT

Sparta Watkins

PRESENTING CLINICAL SIGNS

Sparta presented for acute onset lameness in the right front leg. A firm swelling is noted arising from the distal radius.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: PE: There is a firm swelling in the right distal radius. She is limping on the right front leg. Lab: Pending Multiple 16-gauge tru-cut biopsies are obtained from the right distal radial mass. Samples lack form and are hemorrhagic. Results are pending.

BREED

Bull Mastiff

COMPUTED TOMOGRAPHIC STUDY OF THE FRONT LIMBS & THORAX

Plain and post contrast studies of the front limbs, plain study of the thorax, and post contrast study of the cranial mediastinum available for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

SF

Front Limbs

A large expansile aggressive osteolytic lesion is seen within the distal right radius extending from the mid diaphysis into the distal metaphysis. The transition zone to the unaffected bone is long and indistinct. Multifocal severe cortical bone expansion and thinning are seen. There are amorphous periosteal new bone formations. The lesion spares the carpal joint and the ulna. No pathologic fracture is seen at this point.

AGE

5 Years

The right front limb presents mildly reduced muscle volume.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The right axillary lymph node is mildly enlarged.

Mineralizing foci are seen within the supraspinatus tendon of both shoulders.

Thorax

HOSPITAL NAME

VetMed Consultants

Early spondyloses are present within the cranial thoracic spine.

The lung presents a mild generalized bronchial pattern. Multiple age related incidental pulmonary osteomas are seen. There is no evidence of interstitial pulmonary nodules or masses.

REFERRING VET

Clayton Watkins

No mediastinal lymphadenomegaly is noted.

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

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- Monostotic aggressive osteolytic lesion of the distal right radius.
- Mild disuse atrophy of the right front limb musculature.
- Mild right axillary lymphadenomegaly.
- Normal age related lung.
- No evidence of metastatic disease to the lung or mediastinal lymph nodes.

DATE

3-2-22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Differential diagnosis includes primary neoplasia of bone such as osteosarcoma and less likely chondrosarcoma, hemangiosarcoma, fibrosarcoma, giant cell tumor, or other. Multiple samples for histology have been obtained to establish a final diagnosis.



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The right axillary lymphadenomegaly is mild. The pattern of enlargement is compatible with reactive hyperplasia. However, fine needle aspiration could be performed in order to rule out early metastatic disease.

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At this time, there was no evidence of mediastinal lymphadenomegaly or pulmonary metastatic disease.

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REFERRING VET

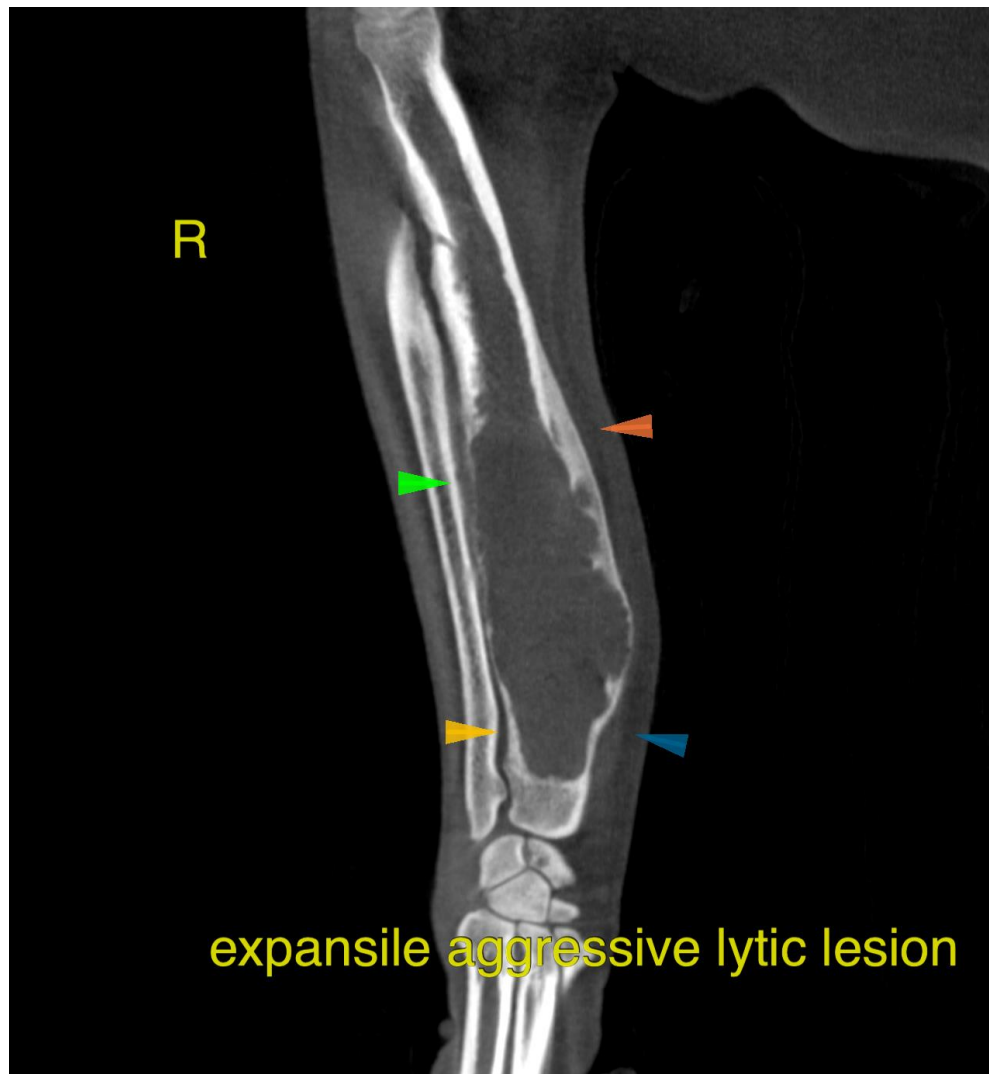
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

SPECIES

Canine

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
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