



PATIENT

Oreo McMahon

PRESENTING CLINICAL SIGNS

Right Humeral (proximal) fx pathologic r/o osteomalacia vs other

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE RIGHT HUMERUS & THORAX

Plain and post contrast studies of the thorax in soft tissue and lung windows and plain and post contrast studies of the right humerus in bone and soft tissue windows available for review.

BREED

Hound Mix

COMPUTED TOMOGRAPHIC FINDINGS

Right Humerus

Moderate atrophy of the right front limb musculature is noted.

SEX

Female Spayed

A long spiraling mid and proximal diaphyseal fracture of the right humerus is seen. The fracture margins are ill-defined. Permeative aggressive osteolysis is seen within the right proximal humerus involving the proximal epiphysis, metaphysis, and diaphysis. Multifocal cortical bone thinning as well as amorphous periosteal new bone is present. The transition zone to the unaffected bone is long and indistinct. The fracture presents mild proximal and moderate caudal displacement.

AGE

13 Years

Thorax

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The cardiovascular structures including the pulmonary vasculature are within normal limits.

HOSPITAL NAME

Westwood Regional
Veterinary Hospital

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

The lung parenchyma presents the expected architecture and attenuation behavior.

REFERRING VET

Cattiny

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

A large lipoma is present splaying the layers of the cranial abdominal wall to the left of the midline.

INVOICE

51477

A mild amount of mineral attenuating material is seen ventrally within the gallbladder.

COMPUTED TOMOGRAPHIC DIAGNOSIS

DATE

4-12-22

- Monostotic aggressive osteolytic lesion of the right proximal humerus with complete pathologic fracture.
- Disuse atrophy of the right front limb musculature.
- No evidence of pulmonary metastatic disease.
- Biliary microlithiasis.



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- Abdominal wall lipoma.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with primary neoplasia of bone such as osteosarcoma and less likely chondrosarcoma or other. Final diagnosis of the type of tumor would require sampling which could be considered along with full staging if the owners are interested in pursuing palliative tumor treatment including limb amputation.

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

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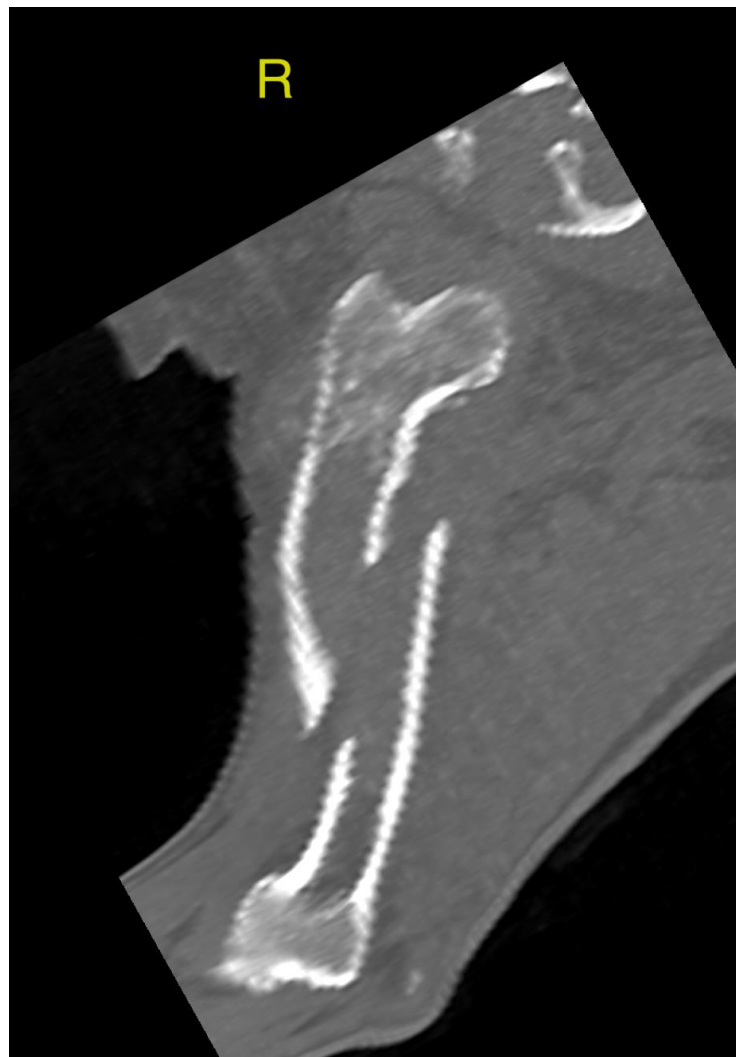
Cattiny

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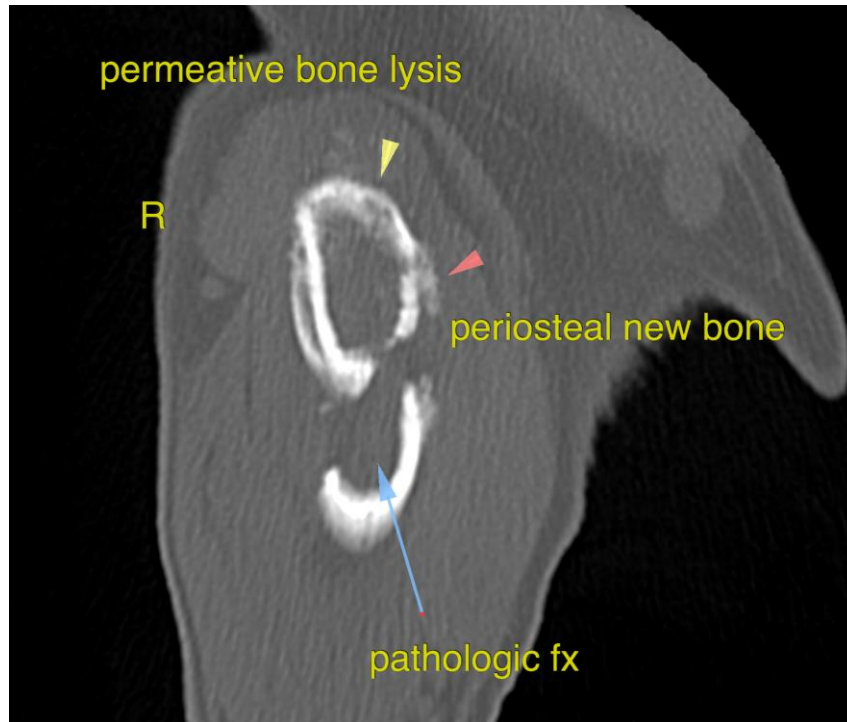
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

HOSPITAL NAME

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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.

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Nele.Eley@sonopath.com

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