



PATIENT

Diesel Graham

PRESENTING CLINICAL SIGNS

right forelimb lameness that was first noticed 4-5 months ago where he was observed to be toe-touching initially which progressed to non-weight-bearing. Radiographs of his forelimbs performed in November 2022 revealed a suspected mottled appearance on his right proximal humerus.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE FRONT LIMBS AND THORAX

A plain CT study of the front limbs and thorax in a bone, lung and soft tissue reconstruction is provided for review.

BREED

Rottweiler

COMPUTED TOMOGRAPHIC FINDINGS

The right proximal third of the humerus presents an ill-defined zone with permeative osteolytic lesions with endosteal scalloping and destruction of the cortex. There is amorphous periosteal new bone formation along the proximal segment of the right humerus. A circumferential soft tissue swelling is encompassing the proximal right humerus.

SEX

MN

The volume of the musculature of the right front limb is moderately decreased and the osseous structures present mild decreased volume.

AGE

7 Years

The periarticular bones of the left shoulder and elbow joint present mild osteophyte new bone formation.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Level with the attachment of the interosseous ligament between the radius and ulna bilaterally, irregular shaped, depressions of the cortex are appreciated.

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

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

HOSPITAL NAME

Animal Health
Partners

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.

Accentuated in the periphery of the lung parenchyma, multiple, ill-defined zones - partially nodular in shape - are seen.

REFERRING VET

Dr. Lea Mehrkens

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

55912

- Monostotic aggressive osteolytic lesion proximal right humerus with associated soft tissue swelling
- Structured nodular interstitial pattern with multiple zones of interstitial pattern
- Disuse atrophy right musculature right front limb and osteopenia
- Mild degenerative osteoarthritis left shoulder joint and elbow joint
- Suspect radio-ulnar ischemic necrosis bilaterally - incidental

DATE

12-23-22



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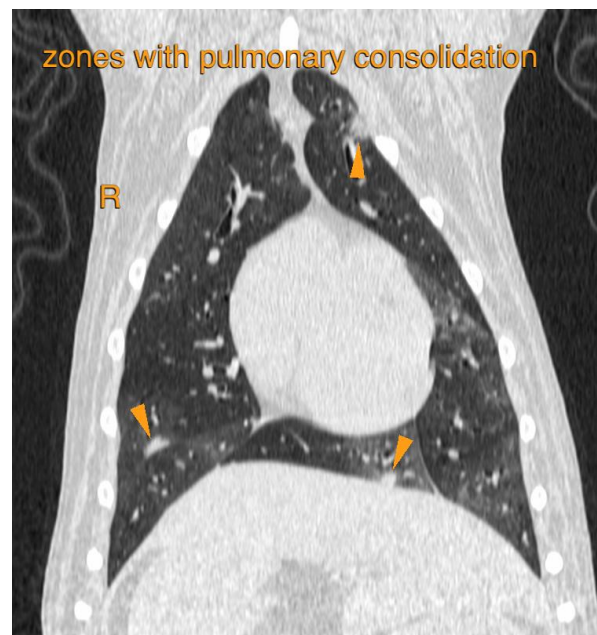
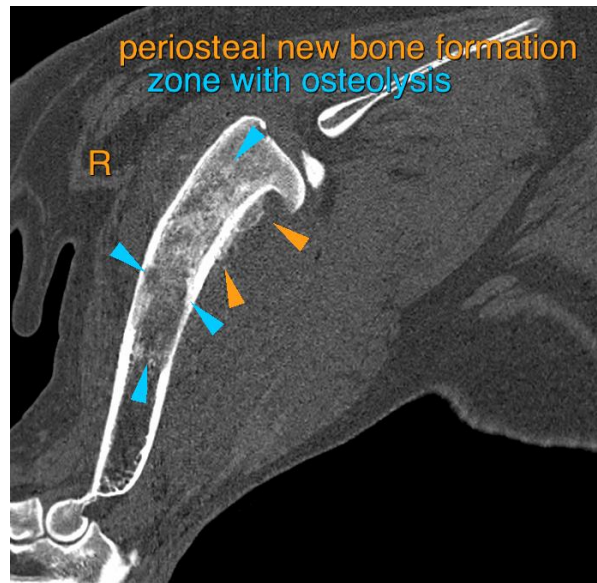
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study is consistent with primary osseous neoplasia originating from the right proximal humerus – such as osteosarcoma, chondrosarcoma, hemangiosarcoma, fibrosarcoma, round cell tumor. The appreciated pulmonary changes are compatible with pulmonary metastatic disease.





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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.

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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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