
PATIENT PRESENTING CLINICAL SIGNS

Brinley Skok Increased swelling over left carpus, moderately weight bearing. Evidence of OA in distal radius with increased bone lysis and secondary fracture.

SPECIES Abnormal PE/Chem/CBC/UA Results: Increased ALKP

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE FRONT LIMBS & THORAX

A high resolution pre- and post-contrast CT study of the thorax and a plain CT study of the front limbs is provided for review.

BREED

Bouvier

COMPUTED TOMOGRAPHIC FINDINGS

The osseous and soft tissue structures of the right front limb present without abnormalities.

SEX

The left axillary lymph node is prominent.

Spayed Female

The osseous structures of the left front limb present a generalized decreased density.

AGE

6 Years 1 Month

The distal third of the left radius presents with permeative osteolytic lesions with multifocal cortical destruction and multifocal amorphous periosteal new bone formation. A transverse fracture line is seen proximal to the distal epiphysis of the radius and the distal epiphysis presents with multiple fracture lines with mild displacement of the osseous fragments. Along the distal aspect of the left antebrachium, significant semicircular soft tissue swelling is appreciated.

INTERPRETED BY

The left radiocarpal bone presents multiple concaved depressions of the cortex.

Sebastian Schaub,
 DVM Dr. med. vet.
 DipECVDI

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 is uniform and considered within normal limits.

HOSPITAL NAME

Bridgewater VH

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

REFERRING VET

Dr. Alex Kozak

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. In the craniodorsal aspect of the right caudal lung lobe, a soft tissue attenuating nodule, measuring 4.5 mm in size is appreciated. The lung parenchyma presents the expected architecture and attenuation behavior.

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

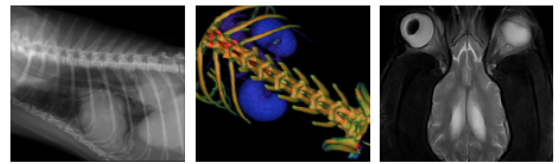
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Bulging from the caudoventral margin of the caudate process of the caudate liver lobe, a spherical, soft tissue attenuating and post contrast mild hypoattenuating mass, measuring 2.8 cm in diameter is appreciated. A second hepatic nodule is seen in the caudoventral aspect of the left lateral liver lobe, measuring 1.5 cm in diameter.

DATE

10/26/22



PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS

Brinley Skok • Monostotic aggressive osteolytic lesion left distal radius with pathological articular distal fracture of the left radius

SPECIES • Solitary pulmonary nodular lesion right caudal lung lobe

Canine • Lymphadenopathy left axillary lymph node

• Hepatic soft tissue nodules

BREED

Bouvier

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The aggressive bone lesion of the left distal radius is compatible with primary osseous neoplasia and secondary distal pathological articular fracture and pressure erosion of the left radial carpal bone. FNA sampling of the mass can be used to confirm the diagnosis.

SEX

Spayed Female The odds for pulmonary metastatic disease are high, however other potentials for a solitary pulmonary nodule include granuloma, fibrosis, cyst, mucus impaction/round pneumonia.

AGE

The hepatic nodules can present benign nodular hyperplasia/regeneration nodules, adenoma or malignant neoplastic disease (e.g. hepatocellular carcinoma, metastasis).

6 Years 1 Month

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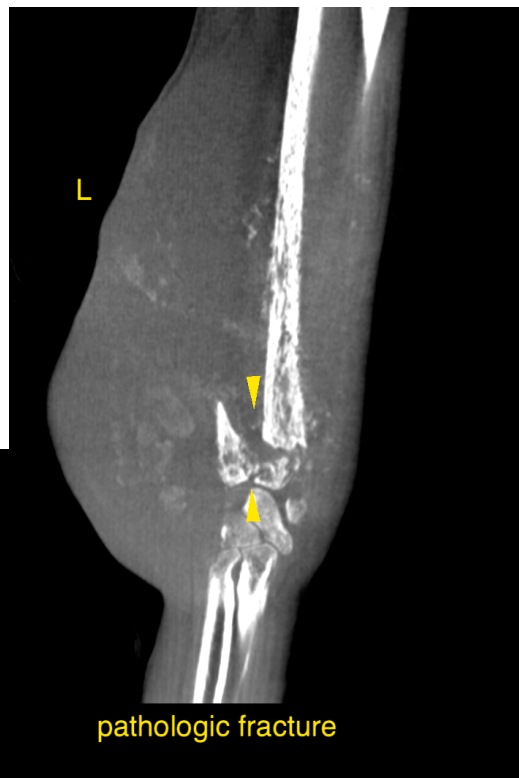
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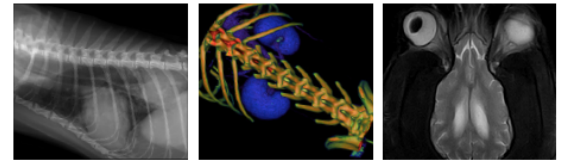
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marked soft tissue swelling & periosteal new bone formation

pathologic fracture



PATIENT

Brinley Skok

SPECIES

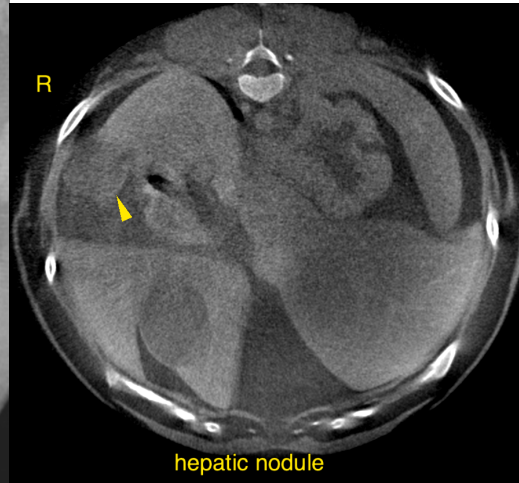
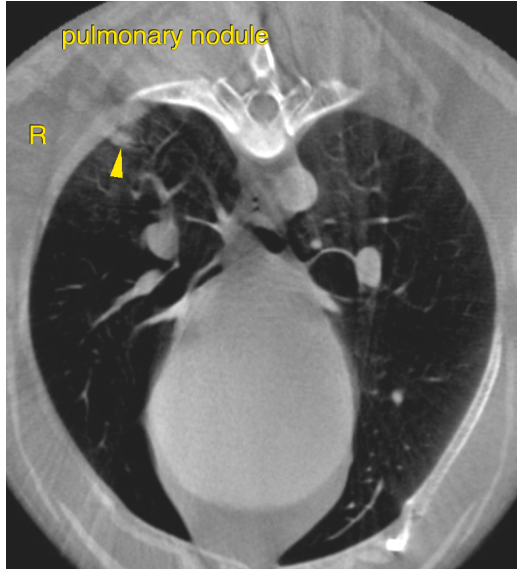
Canine

BREED

Bouvier

SEX

Spayed Female



AGE

6 Years 1 Month

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

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
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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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