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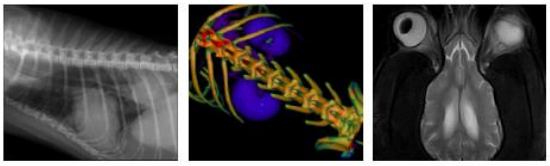

PATIENT

Jaxson Salvador

SPECIES

Canine

BREED

Bulldog

SEX

Male

AGE

8 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Animal Surgical Center

REFERRING VET

Dr. Kam

INVOICE

55847

DATE

12-27-22

PRESENTING CLINICAL SIGNS

tumor left front leg lameness front left leg pain on the neck area not putting any weight on the leg
Abnormal PE/Chem/CBC/UA Results: cholesterol high bun/cre ratio high albumin low

COMPUTED TOMOGRAPHIC STUDY OF THE CERVICAL SPINE & FRONT LIMBS

Post contrast study available for review. Motion related streak artifacts are seen.

COMPUTED TOMOGRAPHIC FINDINGS

Cervical Spine

Number, alignment, and general anatomy of the cervical vertebrae present within normal limits. The intervertebral disc spaces are of even width. There is no evidence of compressive disc hernia or traumatic bone lesions.

The craniocervical junction and cervicothoracic junction both present within normal limits.

Shoulders

The shoulders present within age related normal limits. No significant osteoarthritic changes are seen. There is no evidence of aggressive bone lesions of the shoulders.

Elbows

A 2mm sized fragment is isolated from the tip of the left medial coronoid process. The base of the medial coronoid process presents sclerosis. A moderate amount of periarticular osteophytes is seen. There is no evidence of subchondral bone defects.

Mild deformity of the right medial coronoid process is seen with no evidence of fragmentation or fissuring. Mild degenerative joint disease of the right elbow is noted.

Carpi

The carpal joints present within age related normal limits.

Metacarpophalangeal and interphalangeal joints present within normal limits as well.

Moderate atrophy of the left front limb musculature is noted.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Normal CT findings of the cervical spine.
- Fragmentation of the left medial coronoid process with moderate secondary osteoarthritis.
- Medial coronoid pathology without fragmentation and mild secondary osteoarthritis of the right elbow.
- Normal CT findings of the shoulders and carpal joints.

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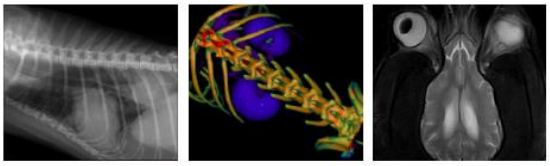

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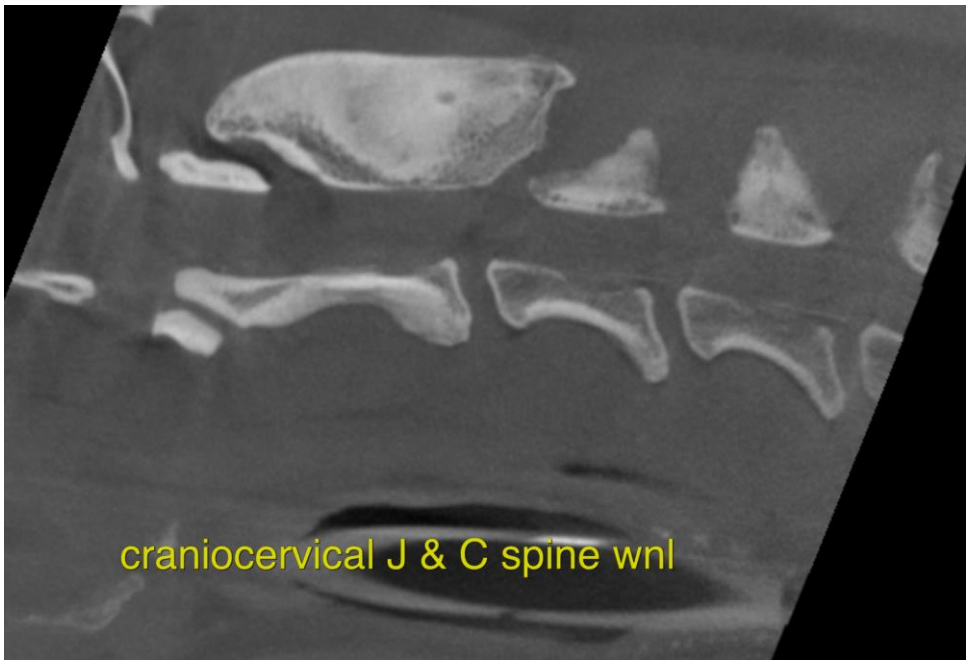
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study of the cervical spine reveals no evidence of disc hernia or other structural spinal pathology. Further definition by means of a CT myelogram or an MRI could be considered in case of strong clinical signs of cervical neurologic disease since pathologies such as ischemic myelopathy, myelitis, gliosis, arachnoid diverticula, and other may be occult on CT.

The CT study reveals fragmentation of the medial coronoid process and moderate osteoarthritis within the left elbow. Moderate disuse atrophy of the left front limb musculature is noted. It remains unclear whether the findings of the left elbow can fully explain the clinical signs of the patient. They may explain chronic disuse and atrophy of the left front limb musculature, however, neurologic disease with neurogenic atrophy appears to be a consideration in this patient as well since the history mentions reduced tone of the left front limb and pain in the cervical spine. Structural pathology could not be identified in the CT study of the cervical spine, however, MRI has greater sensitivity and could be considered for further definition in order to further assess for presence of neurologic disease.

The visible thoracic structures were unremarkable other than esophageal dilation and pulmonary atelectasis, likely owing to general anesthesia. Mild peribronchial infiltrate (inflammatory/infectious) cannot be ruled out entirely. Correlation with the clinical signs is required.



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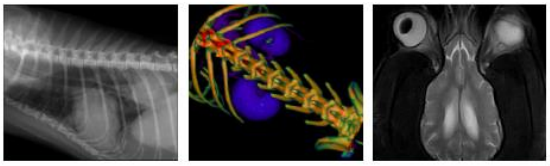

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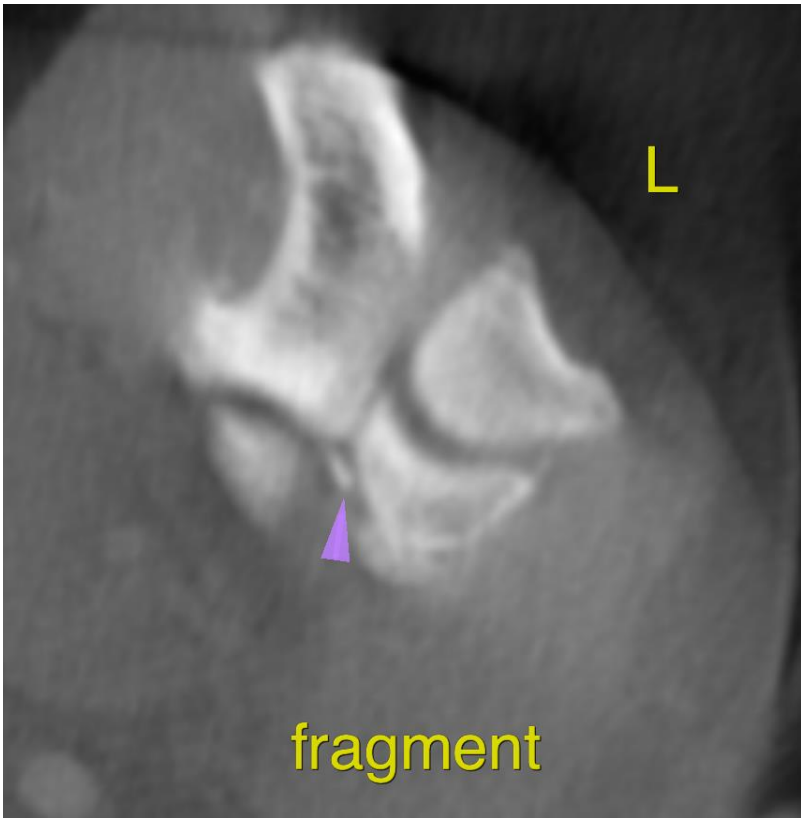

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com