



**PATIENT**

Sherman Roeder

**PRESENTING CLINICAL SIGNS**

History of abnormal gait for 1 year. Favoring left front leg for about 4-5 months. Radiographs were performed, no significant findings. We performed bilateral carpus, bilateral elbows, bilateral shoulders, and cervical spine imaging today.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE CERVICAL SPINE, SHOULDERS, & ELBOWS**

Plain and post contrast studies of the cervical spine, elbows, and left shoulder available for review.

**BREED**

Rottweiler

**COMPUTED TOMOGRAPHIC FINDINGS**

**Cervical Spine**

Number, alignment, and general anatomy of the cervical vertebrae present within normal limits. No evidence of compressive myelopathy or spondylopathy is seen.

**SEX**

MN

**Elbows**

A 6 x 2.5mm sized demineralized fragment is isolated from the tip of the right medial coronoid process. The base of the medial coronoid process presents extensive sclerosis with loss of its trabecular bone pattern. A moderate amount of periarticular osteophytes is seen.

**AGE**

5 Years, 7 Months

A fissure line appears to separate a sclerotic rounded 2.5mm sized fragment from the tip of the left medial coronoid process. The base of the left medial coronoid process presents extensive sclerosis with loss of its trabecular bone pattern. A mild to moderate amount of periarticular osteophytes is seen.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Left Shoulder**

Moderate to severe periarticular osteophytes are present in the left shoulder. There is a moderate to severe osseous exostosis within the intertubercular groove.

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A 7mm sized mineralization is seen in the supraspinatus tendon.

**REFERRING VET**

Dr. Dolores Roeder

The left shoulder joint and biceps tendon sheath appear to be enlarged with increased amounts of synovial fluid.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Normal CT presentation of the cervical spine.
- Bilateral medial coronoid pathology with fragmentation and moderate secondary osteoarthritis, R>L.
- Moderate to severe osteoarthritis of the left shoulder with evidence of chronic biceps tenosynovitis and mineralizing supraspinatus tendinopathy.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals bilateral elbow dysplasia with fragmentation of the medial coronoid processes and mild to moderate secondary osteoarthritic changes of the elbows which is likely to



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contribute to the clinical signs of the patient.

The left thoracic limb, however, also presents severe osteoarthritic changes of the shoulder with signs of chronic biceps tenosynovitis and mineralizing supraspinatus tendinopathy. Clinical correlation is required.

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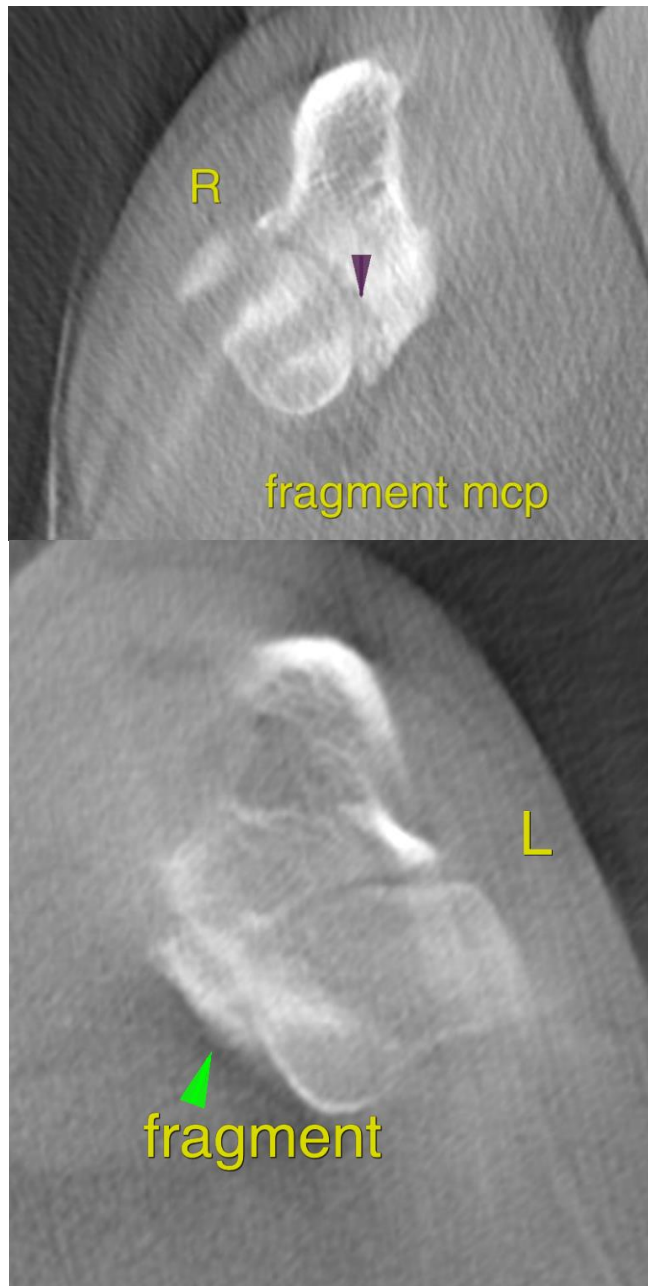
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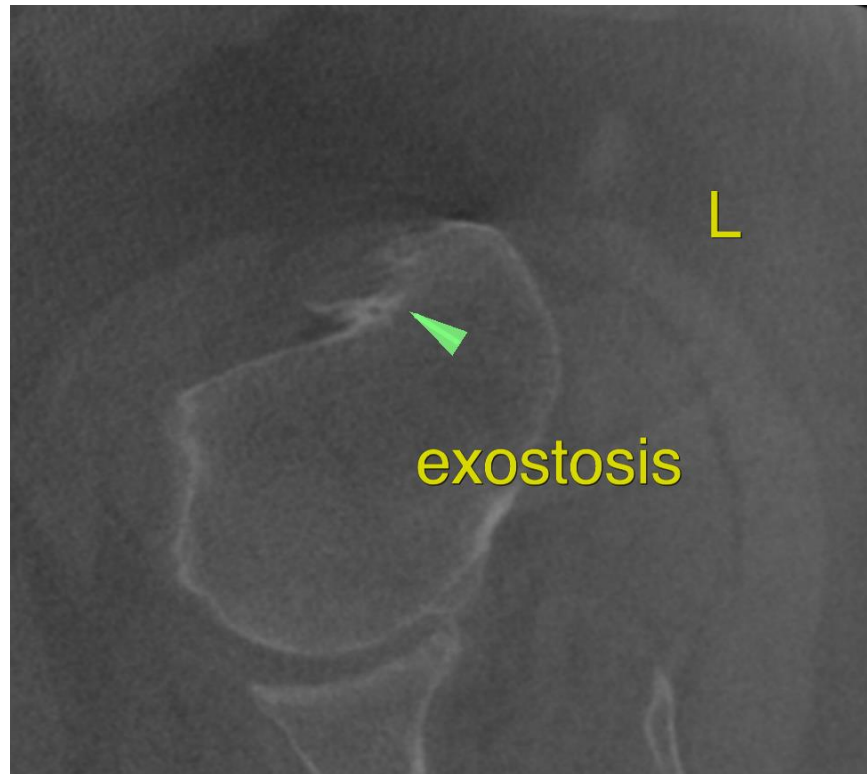
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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  
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