



**PATIENT PRESENTING CLINICAL SIGNS**

Twyla Mill-Mercer

in Nov 2021 RDVM did Xrays (2 - 4 views) - right and left elbow series noted significant OA changes. right elbow has large fragment. right shoulder series - normal (Dr. Melanie Gagnon, DVM). When Twyla was still under the care of guide dogs, her hips and elbows were radiographed, O doesn't think we can get rads, but she remembers from memory that both hips and elbows were "clear", the only reason she was let go from the guide dog program was due to her left ACL tear + TPLO which occurred when she was 1 year old.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Decrease flexion of the elbows bilaterally, worse on the right Mild right FL muscle atrophy No pain elicited Mild resistance to full hip extension, worse on the left Left mild stifle thickening, could not palpate plate

**BREED**

Labrador Retriever

**COMPUTED TOMOGRAPHY OF THE FRONT LIMBS**

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

**SEX**

FS

**COMPUTED TOMOGRAPHIC FINDINGS**

The periarticular bones of both elbow joints present moderate to marked osteophyte new bone formation. The medial coronoid process of both elbow joints presents with an irregular, asymmetric conformation and heterogeneous density. Multiple variable sized mineralized bodies are associated with the synovial lining of both elbow joints, measuring up to 10 x 5 x 12 mm in size (cranial aspect of right trochlea humeri). Cranial to the tip of the medial coronoid process of the right elbow joint, two small (<1 mm) mineralized bodies are seen. Both elbow joints present with a moderate circumferential intracapsular soft tissue swelling.

**AGE**

5 Years

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The subchondral bone of the trochlea humeri opposing the medial coronoid process of both elbow joints is mildly irregular.

**HOSPITAL NAME**

Animal Health Partners

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Fragmented medial coronoid process (FCP) elbow joints bilaterally, R>L
- Moderate degenerative osteoarthritis elbow joints bilaterally, suspect contact lesion trochlea humeri bilaterally
- Articular swelling elbow joints bilaterally
- Synovial osteochondromatosis versus metaplasia elbow joints bilaterally

**REFERRING VET**

Dr. Jeffery Biskup

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are consistent with moderate chronic degenerative joint disease of both elbow joints due to FCP.

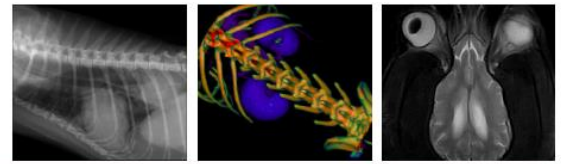
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Arthroscopy would be beneficial to revise the elbow joints and remove potential (cartilaginous) fragments of the medial coronoid process. The degenerative changes are irreversible, and episodes of lameness are likely to reoccur.

**DATE**

3-17-22



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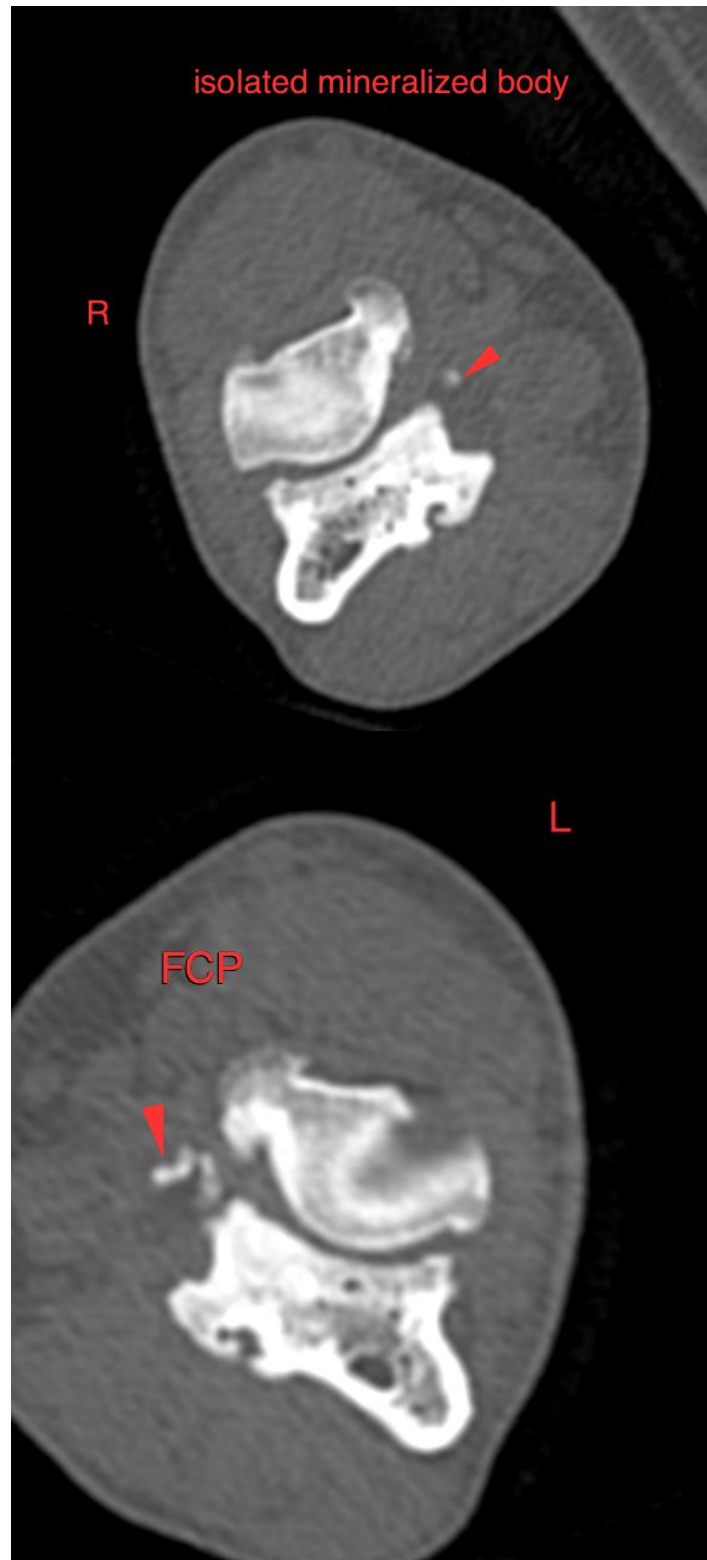
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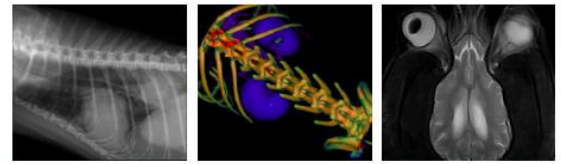
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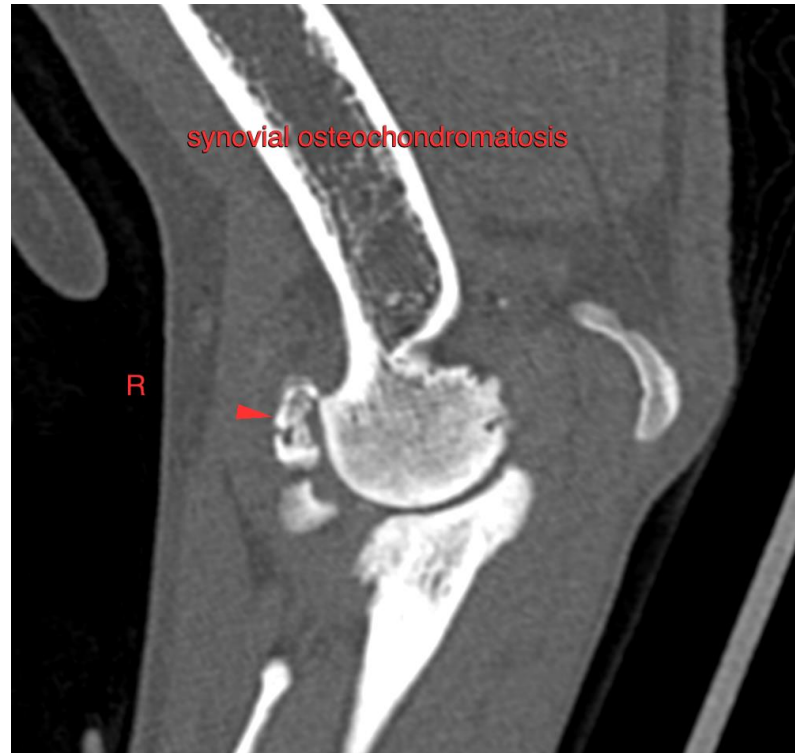
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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