



PATIENT

Oliver Slater

PRESENTING CLINICAL SIGNS

Recheck CT left shoulder Shoulder arthroscopy on Aug 18/21 for shoulder OCD and flap removal. Has been improving but showed sudden lameness after running on Oct 6/21. Initial CT sent to Sonopath Aug 10/21

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE LEFT & RIGHT SHOULDER

Plain study in soft tissue and bone windows available for review. Based on the available anatomy, both studies have been labeled correctly as the right and left shoulder, respectively.

BREED

Bernese Mountain Dog

COMPUTED TOMOGRAPHIC FINDINGS

Left Shoulder

Patient has a history of left shoulder osteochondritis dissecans with surgery on August 18, 2021 including OC defect debridement and flap removal.

SEX

M

The concavity within the caudal aspect of the left humeral head's subchondral bone is smoothly delineated. A small faintly mineral attenuating focus is seen within the center of the defect.

AGE

1 Year

Pinpoint mineral attenuating structures are seen along the wall of the biceps tendon sheath. There is moderate shoulder joint and bicipital tendon sheath effusion.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Right Shoulder

Moderate distension of the right shoulder joint is seen. There is a subchondral bone defect of approximately 6mm diameter and 1mm depth within the caudal aspect of the right humeral head.

Early osteophyte formation of the periarticular margins accentuating the caudal margin of the glenoid cavity and humeral is seen.

HOSPITAL NAME

Animal Health Partners

There is a 3mm wide and 0.5mm deep faintly mineral attenuating structure in the subscapular recess in the medial aspect of the right shoulder joint.

Early signs of intertubercular groove exostosis are seen as well as mild enlargement of the bicipital tendon sheath.

REFERRING VET

Dr. Jeffery Biskup

COMPUTED TOMOGRAPHIC DIAGNOSIS

Left Shoulder

- History of arthroscopy with OC defect debridement and removal of a mineralized flap.

INVOICE

48075

Right Shoulder

- Osteochondritis dissecans with small mineralized joint mouse in the subscapular recess, early osteoarthritis, and evidence of biceps tenosynovitis.

DATE

10-28-21

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SPECIES

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BREEDBernese Mountain
Dog**SEX**

M

AGE

1 Year

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Partners**REFERRING VET**

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Left Shoulder:

The large, mineralized flap has been removed from the joint. Moderate joint and bicipital tendon sheath effusion are noted which may reflect residual arthritis or recent overload. The mineralized structure in the depth of the defect may represent mineralization and less likely small remnants of an in situ cartilage flap. Overall, the CT findings are considered within the expected limits after OCD surgery and no direct cause for the recent onset of clinical signs is seen. However, arthritis and soft tissue injury including biceps tenosynovitis and/or rotator cuff injury cannot be ruled out entirely with CT.

Right Shoulder:

The isolated mineral attenuating structure in the subscapular recess may well represent a displaced and mineralized cartilage flap. Mineralization of the joint capsule cannot be ruled out entirely as a differential diagnosis. The moderate effusion may be due to activated osteoarthritis or recent overload. Translocated effusion from the biceps tendon secondary to bicipital tenosynovitis cannot be ruled out entirely but is considered less likely. It is more likely that the osteoarthritic changes and early exostosis within the intertubercular groove of the biceps tendon are consequences of the OC and perpetual/recurrent osteoarthritis. The subchondral bone defect in the caudal aspect of the right humeral head is relatively shallow.



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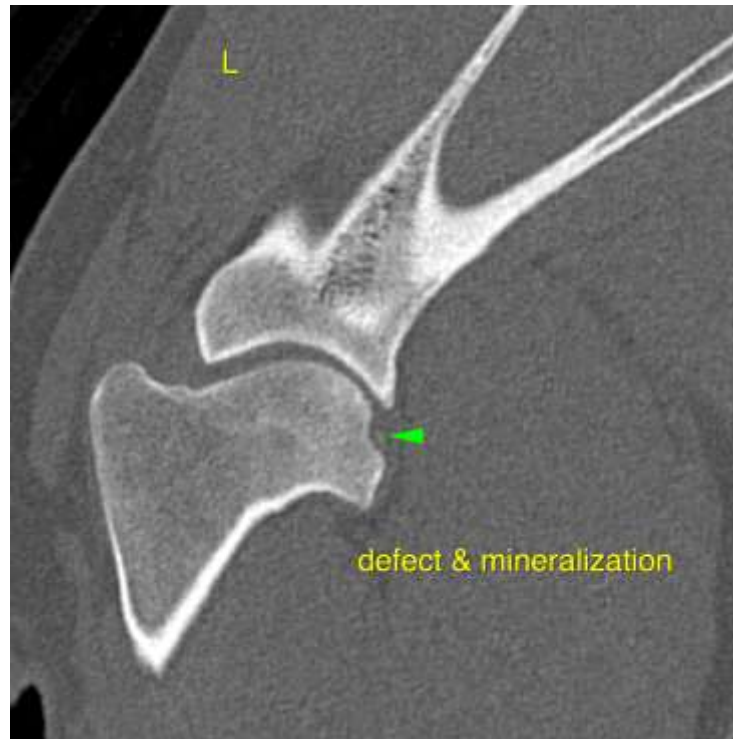
Dr. Jeffery Biskup

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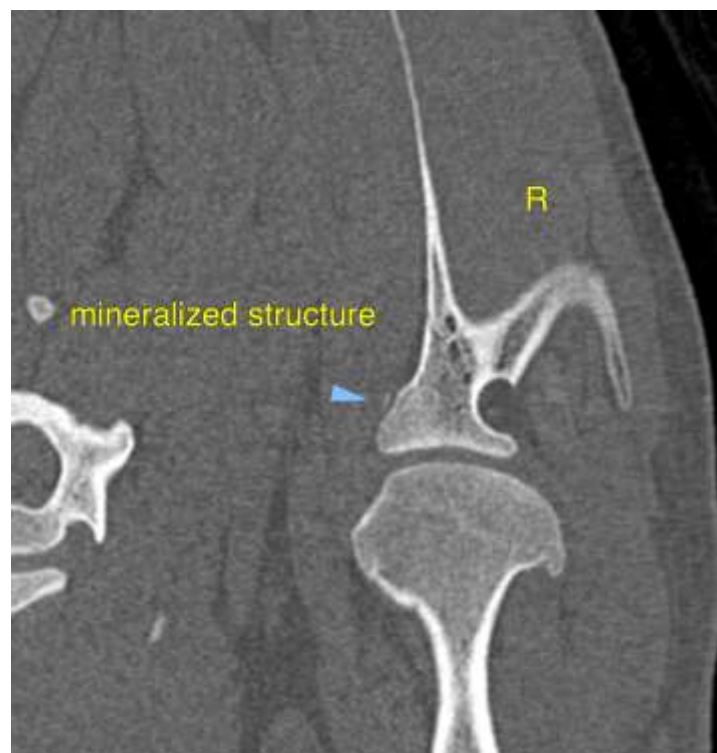
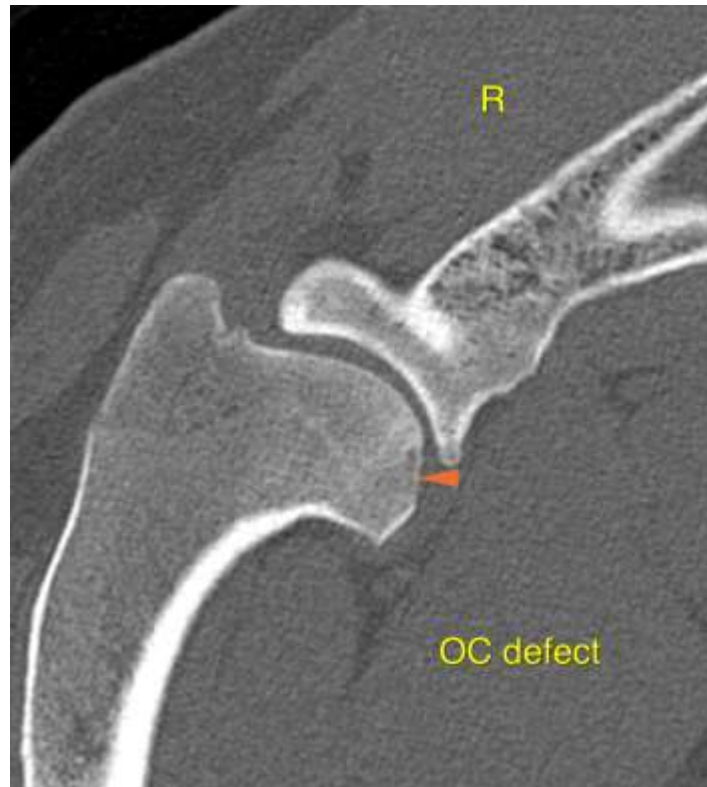
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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.

BREED

Bernese Mountain
Dog

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
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