



PATIENT

Kali Middleton

PRESENTING CLINICAL SIGNS

Intermittant RFL lameness that is inconsistently provoked by exercise on a very active dog. On examination, there was pain on left glenohumeral extension, and on right glenohumeral hyperflexion. There was also pain on palpation of the right glenohumeral medial compartment. No instability was detected under sedation.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

Left Shoulder

BREED

Belgian Malinois

The supraspinatus, deltoideus and infraspinatus muscles present within normal limits for shape, volume, echoarchitecture and echogenicity. The transition to the supraspinatus tendon is even and thin. The broad part of the supraspinatus tendon presents within normal limits for its shape, volume, and echogenicity. The supraspinatus measures 6.5mm. There is no evidence of impingement. The attachment to the bone surface of the greater humeral tubercle is even and smooth. The infraspinatus muscle condenses and narrows down to a long tendon of even width, smooth outline and regular echogenic fibular echoarchitecture and up to the attachment to the bone surface of the humerus. There is no evidence of enlargement of the infraspinatus bursa.

SEX

FS

AGE

2 Years

The biceps tendon can be seen from its origin through the bicipital groove, up to the musculotendinous transition and is within normal limits for shape, echogenicity and echoarchitecture. There is no evidence of synovial thickening and no evidence of abnormal effusion. The bone surface of the bicipital groove is even and smooth.

The visible margins of the shoulder joint are within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Right Shoulder

The supraspinatus presents mild echoarchitectural remodeling with concentration of non-shadowing echogenic foci in the distal portion of the supraspinatus tendon. A minimal overall increase in tendon thickness with an averaged diameter of 7mm is seen. There is mild and focal deviation of the transverse ligament. Mild regional swelling of the bicipital synovium is seen at the same level.

HOSPITAL NAME

Points East West
Veterinary Services

Scant anechoic effusion is present within the bicipital tendon sheath. The tendon, however, presents smooth in outline and echoarchitecture. No evidence of osseous changes is noted at this point.

REFERRING VET

David Lane

ULTRASONOGRAPHIC DIAGNOSIS

- Early right supraspinatus tendinopathy with mild volume increase and regional bicipital synovialitis.

INVOICE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

9-10-21

Very mild changes in terms of supraspinatus tendinopathy with secondary tenosynovitis of the biceps tendon are seen in the right shoulder. The changes are very subtle and of questionable clinical significance at this point. However, typically these changes tend to be progressive in nature and the set up of a training plan with controlled and targeted exercises may prove useful in this patient along with narrow clinical monitoring. Systemic NSAID treatment may be considered in phases of overt lameness and ultrasonographic rechecks can be useful whenever



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clinical signs reoccur.

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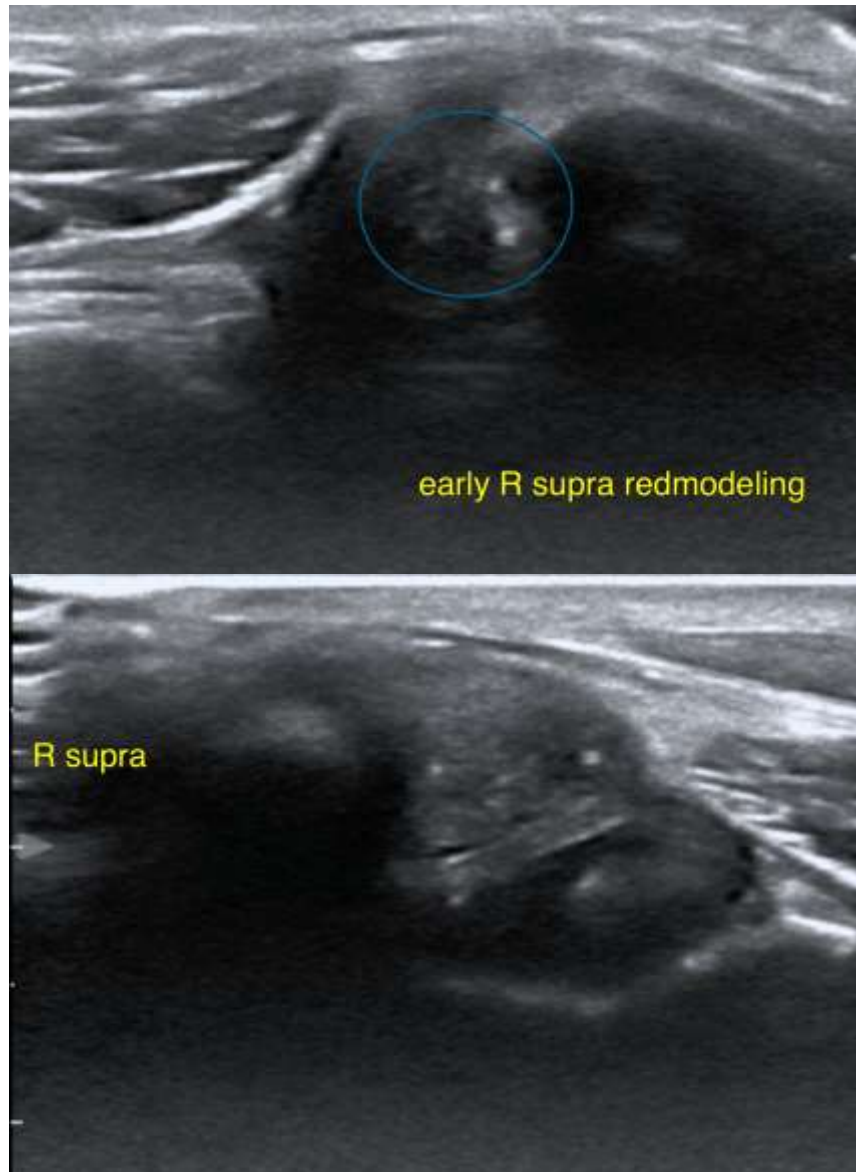
David Lane

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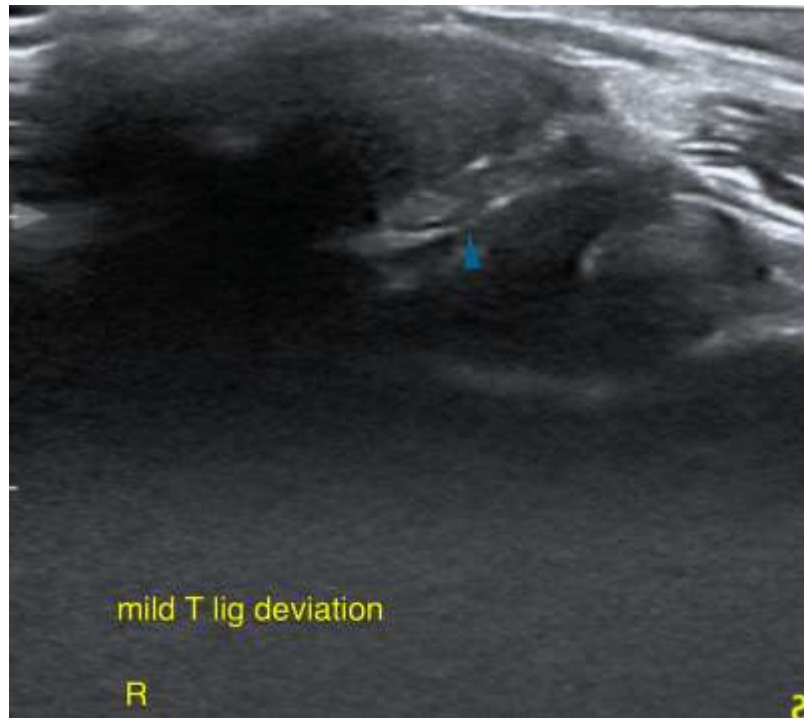
Belgian Malinois

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mild T lig deviation

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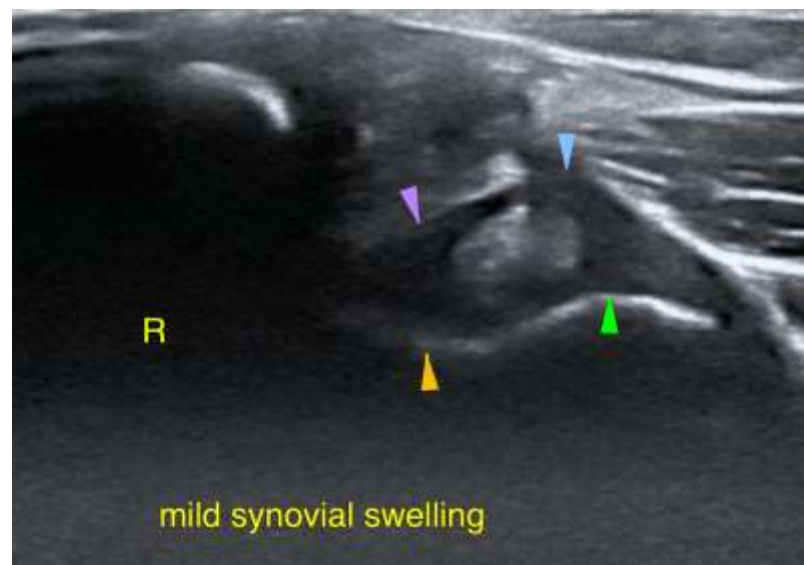
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mild synovial swelling

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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.

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.

SPECIES

Canine

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