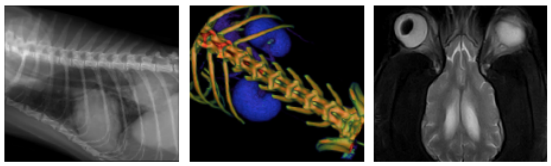

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PATIENT

Brooklyn Bruckbacher

SPECIES

Canine

BREED

Pointer X

SEX

Spayed Female

AGE

9 Years

INTERPRETED BY

Nele Eley (Ondreka), DVM Dr. med. vet., DipECVDI

HOSPITAL NAME

ACCCP

REFERRING VET

Dr. Bartling

INVOICE

35439

DATE

2/3/22

PRESENTING CLINICAL SIGNS

First RTL lameness at RDVM 8/2020 First US eval with me 10/2021 with treatments of: RTL PRP inj SUP, RTL Synamid shoulder injection Shockwave to restore flexibility RTL > LTL SUP, BB, INF In rehab since then and has completely resolved lameness Building plan to increase activity level, currently able to do eccentric exercises and short trots without lameness
Abnormal PE/Chem/CBC/UA Results: Mild soreness with full shoulder flexion RTL and pressure over biceps groove suspect due to mineral under tendon

ULTRASONOGRAPHIC STUDY OF THE SHOULDERS

Right Shoulder
The right supraspinatus tendon measures a maximum of 8.0 mm in thickness. Moderate internal echoarchitecture remodeling is seen. There is a moderate amount of enthesophytes at the distal and medial aspect of the supraspinatus tendon's attachment to the greater humeral tubercle and close proximity to the biceps tendon. Moreover, moderate biceps impingement is noted. The biceps tendon presents an irregular outline and internal echoarchitectural changes with partial and multifocal loss of the regular fiber pattern. A moderate amount of anechoic effusion is present within the visible tendon sheath. Moderate to severe thickening of the synovium of more than 2.0 mm thickness is seen accentuating the proximal half of the biceps tendon sheath. A mild amount of enthesophytes is seen at the supraglenoid tubercle at the origin of the biceps. Visible periarticular margins present osteophytes. A moderate amount of irregular new bone formation is seen in the intertubercular groove of the biceps tendon.

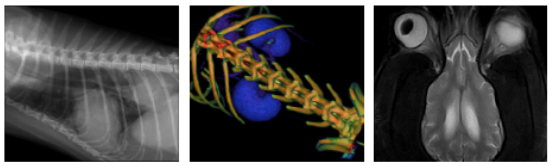
Left Shoulder
The left supraspinatus tendon measures a maximum of 8.0 mm in thickness. Mild biceps impingement is seen. There is a mild amount of new bone at the medial and distal aspect of the greater humeral tubercle and within the intertubercular groove of the biceps tendon. The biceps tendon presents no echoarchitectural changes. Mild effusion and mild synovial swelling of the visible tendon sheath are seen.

ULTRASONOGRAPHIC DIAGNOSIS

- Moderate chronic right biceps tenosynovitis with supraspinatus tendinopathy, mild biceps impingement, and irregular exostotic new bone formations.
- Right shoulder osteoarthritis
- Mild chronic left biceps tenosynovitis with supraspinatus tendinopathy and mild biceps impingement.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Moderate signs of residual inflammation are noted in the right bicipital tendon sheath. Some of the echoarchitectural changes within the biceps tendon may be attributable to inflammation angle artifact and distal acoustic shadowing of superimposing structures. However, not all of the echoarchitectural represent artifacts and internal fiber damage of the biceps tendon has to be assumed. The disease may be self perpetual, not only because of the progressive fiber breakdown, but also because of the large amount of irregular new bone formation, which will continue to irritate the biceps tendon.



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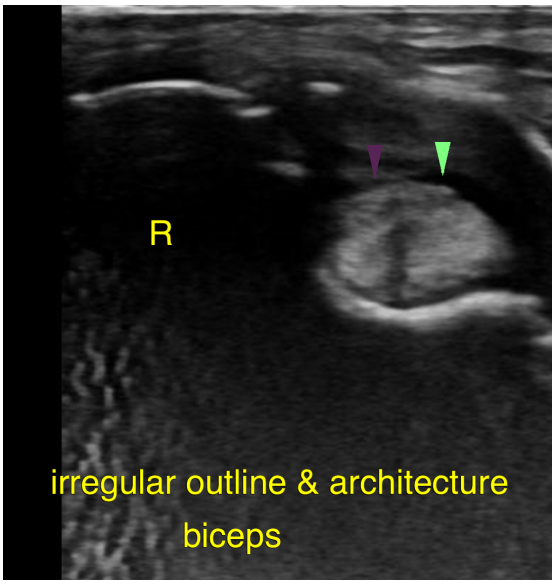
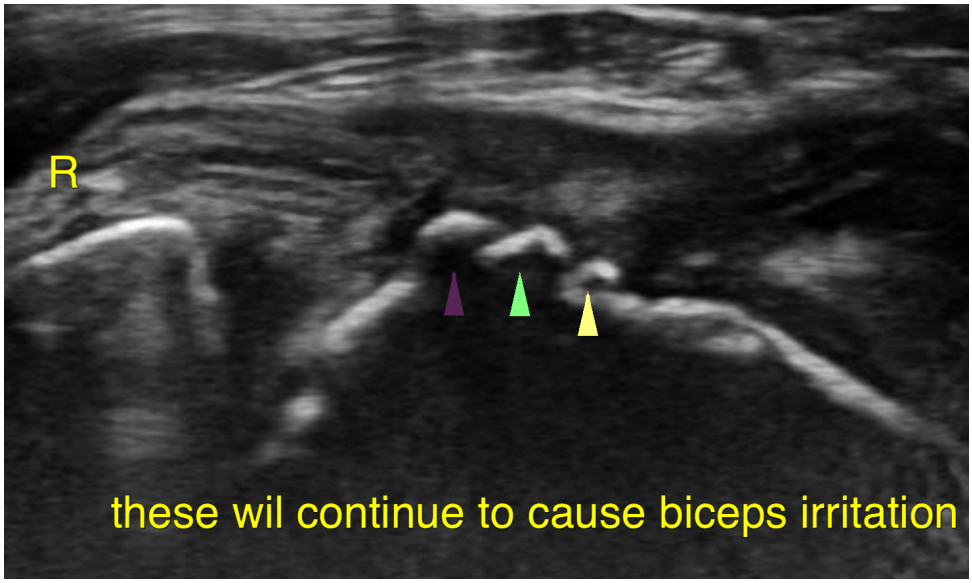
At this point, in the right shoulder, the pathology has probably turned into a global osteoarthritis involving the shoulder joint. It has to be noted though that the ultrasonographic changes typically remain stationary, as in this case, under clinically successful treatment, and most of the changes noted ultrasonographically cannot be expected to decline.





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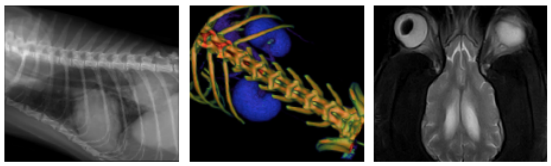

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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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 (Ondreka), 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