



PATIENT

Penny Crotty

PRESENTING CLINICAL SIGNS

2 week history of left forelimb lameness. Did not improve with NSAIDs (patient vomited with each dose) or gabapentin.
 Abnormal PE/Chem/CBC/UA Results: Pain is difficult to localize, but feel that she is a little reluctant to extend the left forelimb. Ultrasound images of shoulder region also submitted (different submission form).

SPECIES

Canine

RADIOGRAPHIC STUDY OF THE CERVICAL SPINE & SHOULDERS, ULTRASONOGRAPHIC STUDY OF THE SHOULDERS

BREED

Miniature Dachshund

Lateral views of the cervical, thoracic, and lumbar spine including oblique view of the cervical spine and orthogonal view of the cervicothoracic spine, mediolateral view of the right shoulder, craniocaudal views of both elbows and carpi, lateral views of the shoulders, and 4 Dicom loops of the left and right shoulder available for review for the radiographic study.

SEX

FS

Two Dicom loops of the left and right supraspinatus tendon in long axis are available for the left and right side each for the ultrasonographic study.

RADIOGRAPHIC FINDINGS

AGE

8 Years

Number, alignment, and general anatomy of the cervical, thoracic, and lumbar vertebrae present within normal limits. There is no evidence of craniocervical junction abnormality.

Reduced intervertebral disc space with appears to be present between the 3rd and 4th cervical vertebrae. No evidence of intervertebral disc mineralization is seen at the same site.

INTERPRETED BY

Nele Eley, DVM
 Dr. med. Vet. DipECVDI

The width of the intervertebral disc spaces within the remainder of the cervical spine appears to be regular.

The conformation of the long bones of the front limbs is typical for a chondrodystrophic dog with stunted appearance, prominence of the epiphyseal and apophyseal parts of the bones, and cranial as well as mild medial curvature of the radius.

HOSPITAL NAME

North Idaho Animal Hospital (VCA)

No evidence of osseous abnormality is seen in the carpi. There is no evidence of articular swelling.

Mild cubital distraction within the breed related normal limits is seen.

REFERRING VET

Jolee Stegemoller, DVM

There is no osseous abnormality of the shoulders noted. The flat conformation of the humeral head and its prominent caudal extension are considered within breed related normal limits.

ULTRASONOGRAPHIC FINDINGS

INVOICE

48056

The supraspinatus tendon presents well delineated. No evidence of echoarchitectural remodeling is seen. Maximum thickness of the supraspinatus tendon is 3.5mm on the left and right side respectively which is considered within normal limits.

Part of the origin of the biceps tendon is included in the study in the far field and considered within normal limits.

DATE

10-27-21

Visible periarticular margins present smooth.



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IMAGING DIAGNOSIS

- Suspect intervertebral disc disease C3/4.
- Normal radiographic presentation of the shoulders, elbows, and carpi.
- Normal ultrasonographic presentation of the supraspinatus tendons.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The radiographic study of the cervical spine suggests potential for intervertebral disc disease at C3/4. This may represent uncomplicated disc degeneration; however, concurrent disc hernia and compressive myelopathy cannot be ruled out entirely. Further definition would require cross sectional imaging.

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FS

The ultrasonographic assessment of the shoulders did include the supraspinatus tendon only which reveals no evidence of structural abnormality. A full study of the biceps and the remainder of the rotator cuff was not included; however, with the pertinent patient demographics, rotator cuff injury and biceps tenosynovitis are relatively unlikely potentials.

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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
Nele.Eley@sonopath.com

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