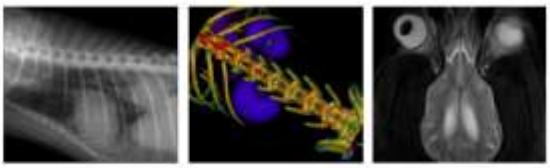
SonoPath Teleradiology

EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Luna Bethune

SPECIES

Canine

BREED

Pug

SEX

Female

AGE

8 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Adelaide Plains Veterinary Surgery

REFERRING VET

John Katakasi

INVOICE

47735

DATE

10-7-21

PRESENTING CLINICAL SIGNS

2 and half month history of paraparectic and disorientation, put on tapering pred dose with little improvement. finished 2 months ago. Worsening signs of ataxia in HL last 72 hours

COMPUTED TOMOGRAPHIC STUDY OF THE SPINE

Plain study and myelogram with lumbar puncture available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Mild epidural leakage is seen in the lumbar spine.

Cranial flow of contrast seizes in the caudal cervical spine.

The patient has 7 cervical, 12 thoracic, and 8 lumbar vertebrae.

Multiple congenital vertebral malformation is noted within the thoracic spine with wedge and butterfly shaped hemivertebrae from T4-T9. T4/5 spondylosis is present.

There is moderate intervertebral disc protrusion between T6 and T7, T7 and T8, T8 and T9. Moreover, significant scoliosis of the mid thoracic spinal segment is noted.

Mild T11/12 protrusion is present which does not completely deviate the ventral contrast space. Minimal cystic dilation of the left dorsolateral subarachnoid space is noted at the same level; however, no significant spinal cord compression appears to be present.

Moderate chronic protrusion with vertebral end plate sclerosis and intervertebral disc space collapse is seen at C6/7. The ventral contrast space appears to be diminished and deviated dorsally.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Multiple congenital vertebral malformation with hemivertebrae and scoliosis from T4-T9.
- Thoracolumbar as well as lumbosacral transitional vertebrae.
- Moderately compressive presumable chronic intervertebral disc protrusion within the deep cervical spine at C6/7.
- Moderate protrusions within the mid thoracic segment from T6-T9.
- Mild non-compressive protrusion T11/12.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The most significant sites of compression appear to be within the deep cervical spine at C6/7 and within the mid thoracic spine from T4-T9. These all are associated with signs of chronicity; however, acute on chronic disease cannot be ruled out.

The minimal cystic expansion of the left dorsolateral subarachnoid space at T11/12 may indicate early subarachnoid diverticulum formation; however, at this point, there is no significant spinal cord compression noted here.

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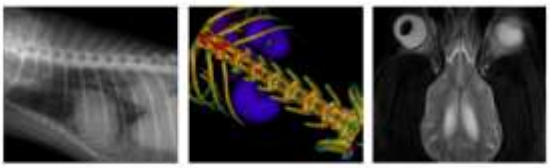

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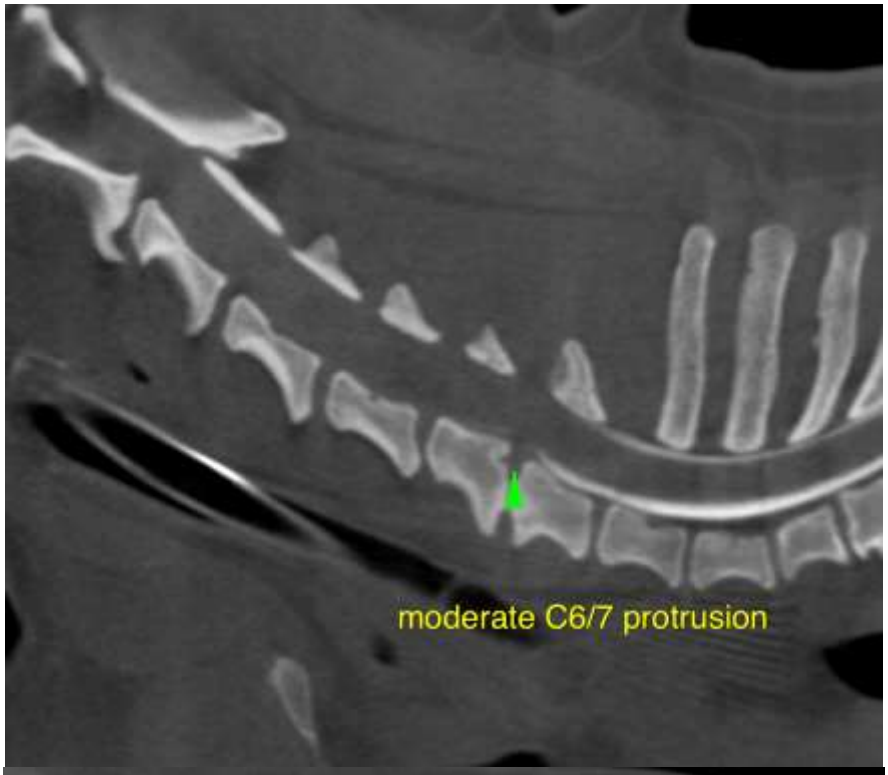

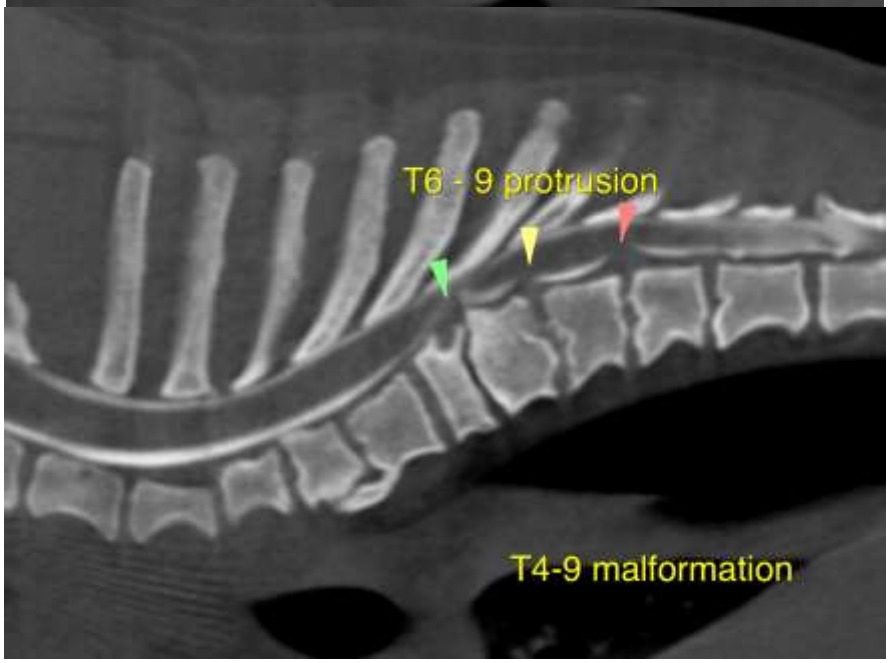

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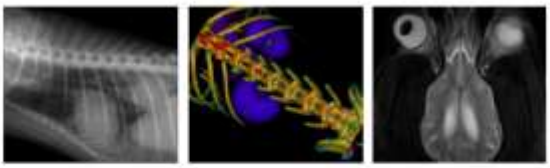

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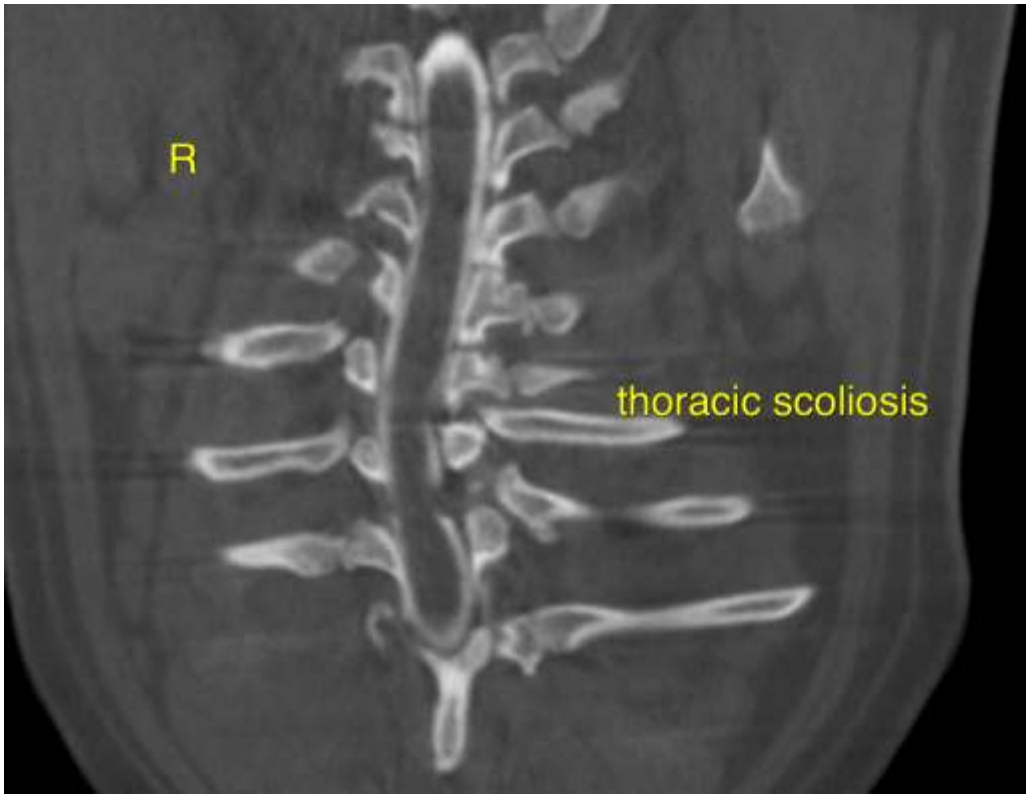

The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, 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