



PATIENT PRESENTING CLINICAL SIGNS

Chico Barker Episodic twitching of thoraco-lumbar spine area followed by intense discomfort and painful back. This has been happening from last few years and patient did respond to rest and Gabapentin. Symptoms relapse after few weeks to months. Suspecting Class I or II intervertebral disc disease vs peripheral nerve pathology

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Mild elevation of liver enzymes but relatively stable with liver supplements

COMPUTED TOMOGRAPHY OF THE CERVICAL, THORACIC & LUMBAR SPINE

BREED

Shih Tzu

A high resolution pre- and post-contrast CT study of the entire spine is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

THE LAST RIB BEARING VERTEBRA IS COUNTED AS T13.

SEX

MN

The osseous and soft tissue structures of the cervical spine present without abnormalities.

In the right ventral aspect of the vertebral canal, a small amount of mineralized disc material is appreciated.

AGE

6 Years

The intervertebral discs T12/T13, L1/L2 to L5/L6 are mildly protruding into the vertebral canal, distorting the ventral epidural space at the same level.

The intervertebral discs T13/L1 is moderately protruding into the vertebral canal, occupying approximately up to 25% of the cross-sectional area of the vertebral canal at the same level.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Mild heterogeneous mineralized disc material is seen in the right neuroforamen L3/L4, obliterating the respective neuroforamen.

Mild central mineralization of the intervertebral discs of the thoracic & lumbar spine is seen.

HOSPITAL NAME

Bridgwater
Veterinary Hospital
and Wellness Centre

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate intervertebral disc protrusion T13/L1 with likely dynamic compressive myelopathy
- Foraminal intervertebral disc extrusion L3/L4 into the right neuroforamen with neuroforaminal stenosis
- Mild intervertebral disc protrusion T12/T13, L1/L2 to L5/L6
- Multifocal mild chondroid disc degeneration

REFERRING VET

Dr. S. Bhangu

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The clinically most relevant findings are the intervertebral disc protrusion T13/L1 and the right sided foraminal intervertebral disc extrusion with neuroforaminal stenosis L3/L4 – the latter might be the most relevant finding and can cause impingement of the right spinal nerve L3. Local glucocorticoid application to the neuroforamen can be tried in first instance.

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The multiple intervertebral disc protrusions seen along the lumbar spine can contribute to clinical signs as well.

DATE

8-11-22



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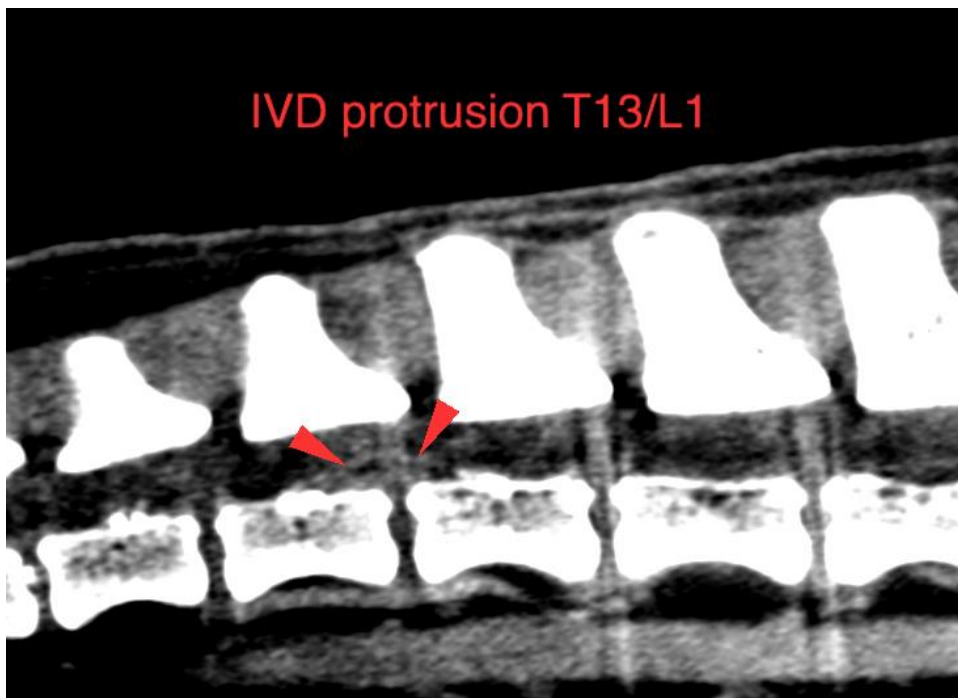
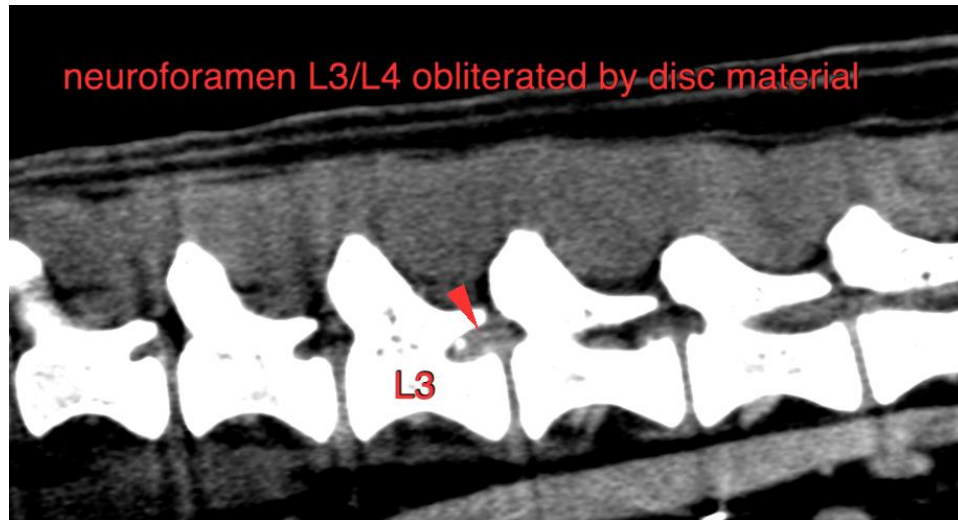
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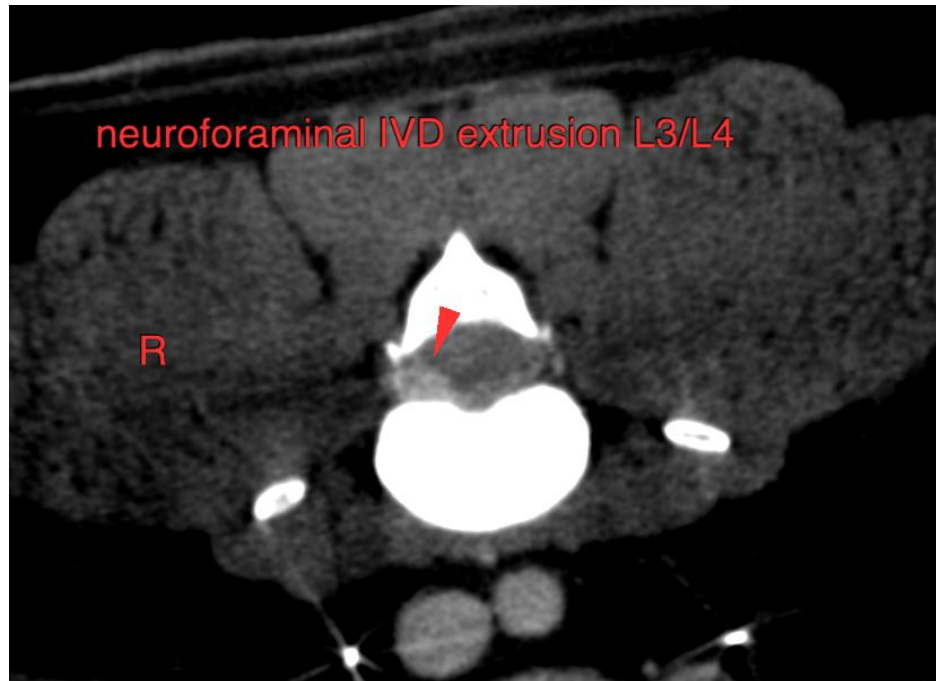
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

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