

**PATIENT PRESENTING CLINICAL SIGNS**

Zoey Elliot history of pain and low tail carriage. Painful with palpation of ventral lumbosacral junction via rectal exam

SPECIES MAGNETIC RESONANCE IMAGING OF THE LUMBAR SPINE

Canine T2&T1 (DIXON) weighted, FLAIR, diffusion weighted, T1 pre- and post-gadolinium sequence in multiple imaging planes are provided for review.

MAGNETIC RESONANCE IMAGING FINDINGS

BREED THE LAST RIB BEARING VERTEBRA IS COUNTED AS T13.

Pug The intervertebral discs T11/T12 and T12/T13 are mildly bulging into the vertebral canal, occupying approximately up to 20% of the cross-sectional area of the vertebral canal at the same level. The spinal cord level T11/T12 and T12/T13 is mildly distorted.

SEX Sacralization of L7 is appreciated, articulating bilaterally with the sacroiliac joint. The intervertebral disc L6/L7 is protruding into the vertebral canal, occupying approximately 80% of the cross-sectional area of the vertebral canal at the same level. The neuroforamina L6/L7 are partially obliterated by the disc material and most proximal extraforaminal segment of the spinal nerves L6 bilaterally, R>L is thickened. The caudal equina fibers L6/L7 are deviated dorsally. The caudal to the intervertebral disc space L6/L7, the spinal nerve L7 bilaterally is thickened. The thickened spinal nerves L6 & L7 present increased contrast enhancement.

AGE 5 Years

INTERPRETED BY MAGNETIC RESONANCE IMAGING DIAGNOSIS

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

- Symmetric lumbosacral transitional vertebra (type II)
- Intervertebral disc protrusion L6/L7 with bilateral neuroforamina stenosis and compression of the cauda equina fibers
- Neuritis spinal nerve L6 & L7 bilaterally
- Intervertebral disc protrusion T11/T12 and T12/T13 with possible dynamic myelocompression

HOSPITAL NAME

Animal Health
Partners

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**REFERRING VET**

Dr. Greg Kilburn

The appreciated changes along the lumbosacral junction are a potential source for the described clinical signs. Surgical decompression might be considered.

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DATE

7-31-23



PATIENT

Zoey Elliot

SPECIES

Canine

BREED

Pug

SEX

FS

AGE

5 Years

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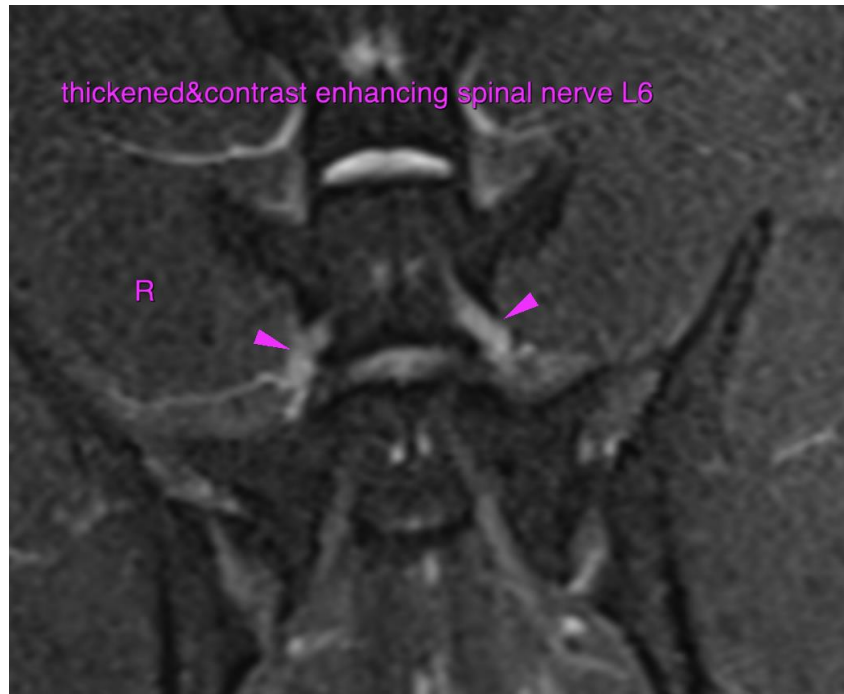
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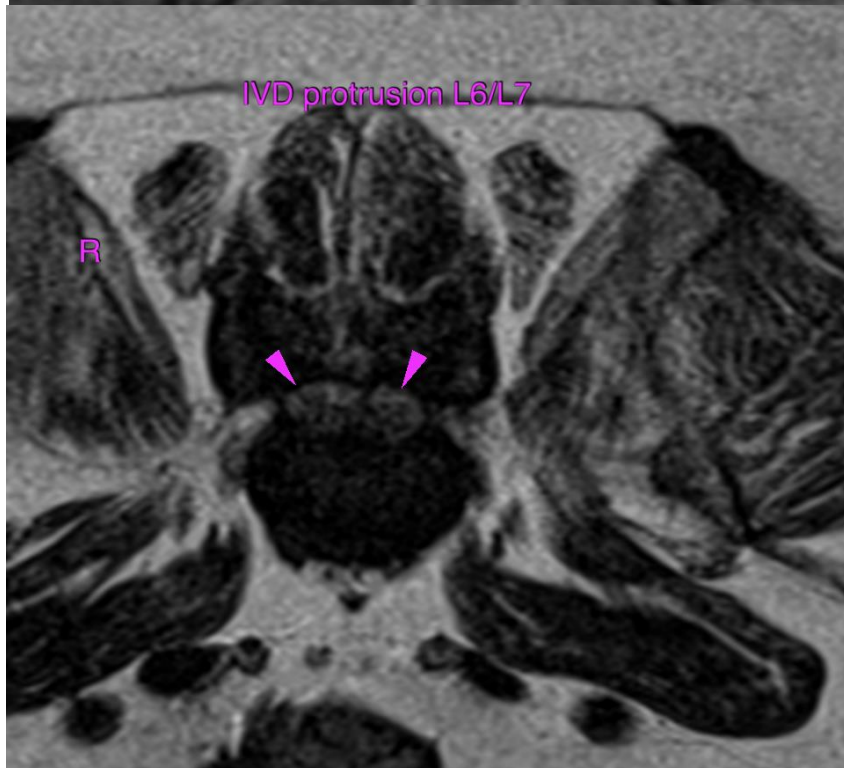
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thickened&contrast enhancing spinal nerve L6

R



IVD protrusion L6/L7

R



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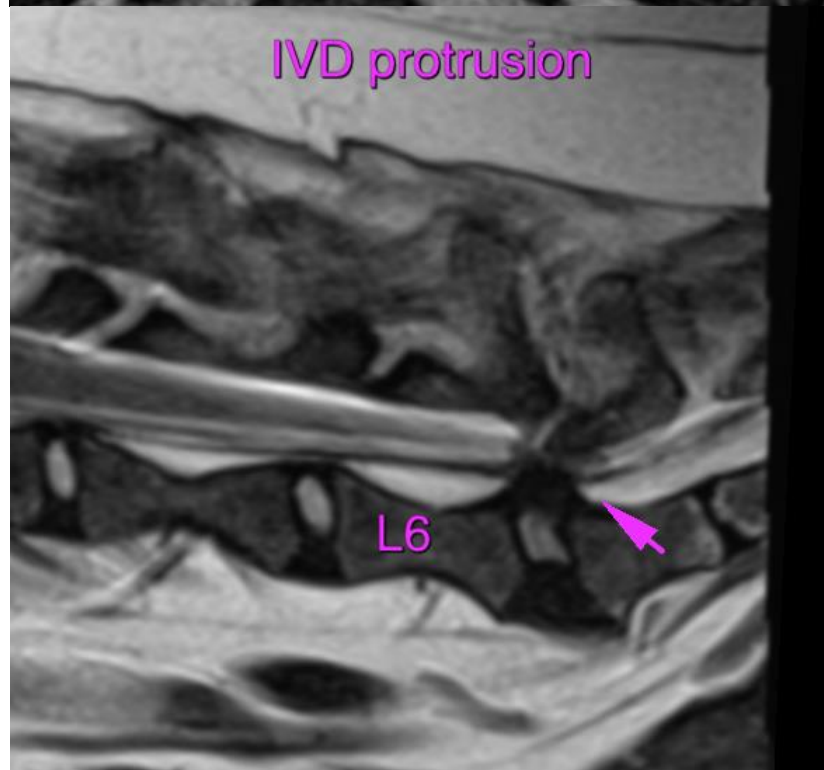
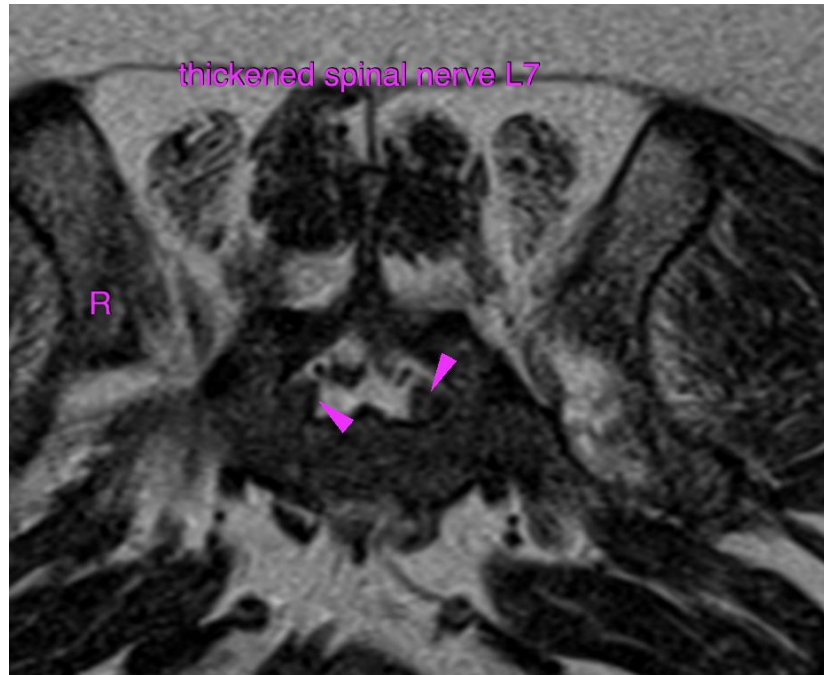
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PATIENT The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.
Zoey Elliot

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 **Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
info@sonopath.com

BREED

Pug

SEX

FS

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5 Years

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