



**PATIENT**

Rosco Chiu

**PRESENTING CLINICAL SIGNS**

History 7 year old, MN Mixed Breed dog (43 kg), presented to the AHP Neurology Service on August 19th, 2022 for evaluation of a 6 month history of hindlimb weakness. Chronic UTI has developed since June 2022. Neuro exam showed paraplegic without deep pain, poor withdrawal right pelvic limb at hock, patellar present bilaterally but poor on right. Cutaneous trunci cutoff at mid thoracic region Diagnostics: MRI (T-L spine) + CSF - Aug 20th

**SPECIES**

Canine

**MAGNETIC RESONANCE IMAGING STUDY OF THE THORACOLUMBAR SPINE**

**BREED**

Mixed Breed Large

T2, T1-plain and post contrast, T2-star images with and without fat saturation available for review.

**SEX**

MN

**MAGNETIC RESONANCE IMAGING FINDINGS**

There is an intradural mass within the spinal cord within the mid thoracic spine level with T5, T6, and T7. Mild generalized spinal cord swelling is noted. The mass is isointense on T1 weighted images and heterogeneously hyperintense on T2 weighted images and presents strong uniform contrast enhancement. Severe ventral deviation and compression of the spinal cord within the dural tube are seen. The lesion margins to the spinal cord parenchyma are ill-defined. Extensive pre- and post-lesional spinal cord hyperintensity is seen within the thoracic spine from T3 through T10.

**AGE**

7 Years

There is a mild intervertebral disc protrusion at T4/5 and T5/6.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Mild intervertebral disc protrusions are also present within the thoracolumbar area from T12 through L3.

Spondyloses are seen between L1/2, L2/3, and T12/13.

**HOSPITAL NAME**

Animal Health  
Partners

Moderate to severe chronic intervertebral disc protrusion is noted at the lumbosacral junction.

**MAGNETIC RESONANCE IMAGING DIAGNOSIS**

- Intradural spinal mass meeting neoplastic criteria within the thoracic spine.
- Extensive regional spinal cord edema.
- Moderate to severe degenerative lumbosacral stenosis.
- Multiple mild chronic intervertebral disc protrusions.
- Spondylosis deformans.

**REFERRING VET**

Dr. Stephanie Lovell

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The MRI findings are suggestive for an intradural mass. The mass does not necessarily appear to be extramedullary based on its MRI appearance which is why round cell neoplasia is a primary differential diagnosis in this patient next to meningioma. The mass is not in the typical area for nephroblastoma. Final diagnosis would require sampling. Dorsal laminectomy/ hemilaminectomy techniques could be opted for in order to obtain samples of the mass for further verification.

**DATE**

8-20-22



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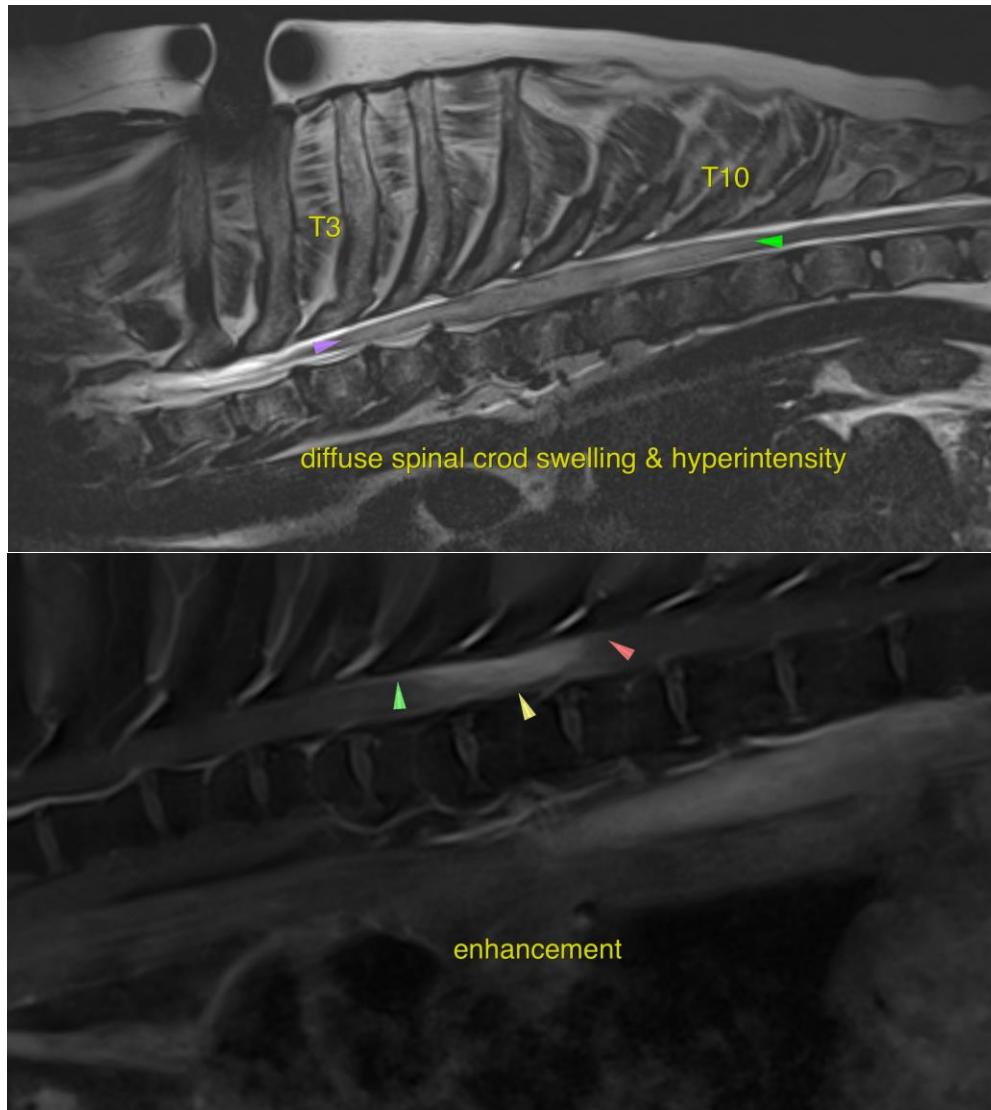
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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