



**PATIENT PRESENTING CLINICAL SIGNS**

**Loki Greco** 10 mo MI doberman, chronic progressive pelvic limb weakness and ataxia; waxes and wanes (sometimes unable to stand entirely, sometimes ambulatory w marked pelvic limb prop ataxia and paraparesis) recent onset urinary incontinence. Moderate discomfort on palpation over mid to lower lumbar vertebral column; patellar and withdrawal reflexes within normal limits.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: localization: T3-S3 spinal cord segments. CSF nucleated cell count: 17 cells/uL; mild xanthochromia (cytology pending)

**Canine**

**MAGNETIC RESONANCE IMAGING OF THE LUMBAR SPINE**

**BREED** T2 weighted, FLAIR, diffusion weighted, T1 pre- and post-gadolinium sequence in multiple imaging planes are provided for review.

**Doberman**

**MAGNETIC RESONANCE IMAGING FINDINGS**

**SEX** Level with L6/L7 a bunch of small hypointense vessels is seen in left paravertebral tissue extending into the spinal canal. The small vascular loops within the vertebral canal are entangled with the caudal equina fibers and prominent tortuous vascular loops can be appreciated in the subarachnoid space extending cranially up to the level of L1/L2. The basivertebral veins L6 & L7 are moderately dilated. The left neuroforamen L7/S1 is moderately widened. The left lamina L7 and the left aspect of the vertebral body of L7 presents evidence of osteolysis.

**M**

**AGE**

10 Months

**MAGNETIC RESONANCE IMAGING DIAGNOSIS**

- Suspect complex (extramedullary) arteriovenous malformation level L6/L7 with involvement of the paravertebral soft tissues, adjacent bone and the cauda equina fibers

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The MR study is highly suggestive for a complex arteriovenous vascular malformation level L6/L7, involving all local anatomical structures. A CT study may allow further evaluation of the vascular malformation – angiography would be an ideal imaging modality as well and may allow angioembolization.

**HOSPITAL NAME**

Animal Health  
Partners

**REFERRING VET**

Dr. Stephanie Lovell

**INVOICE**

54344

**DATE**

9-28-22



**PATIENT**

Loki Greco

**SPECIES**

Canine

**BREED**

Doberman

**SEX**

M

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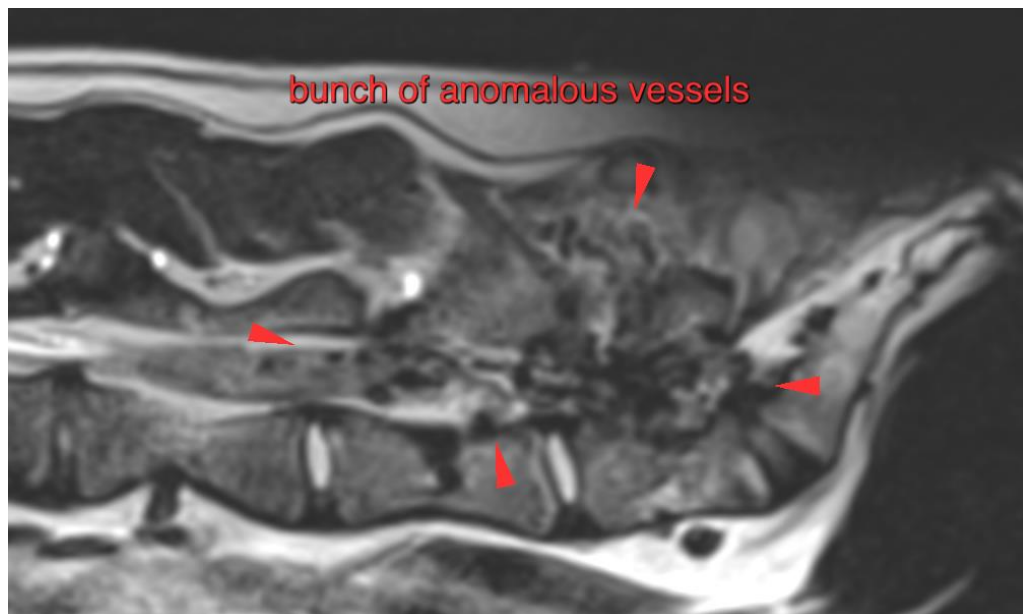
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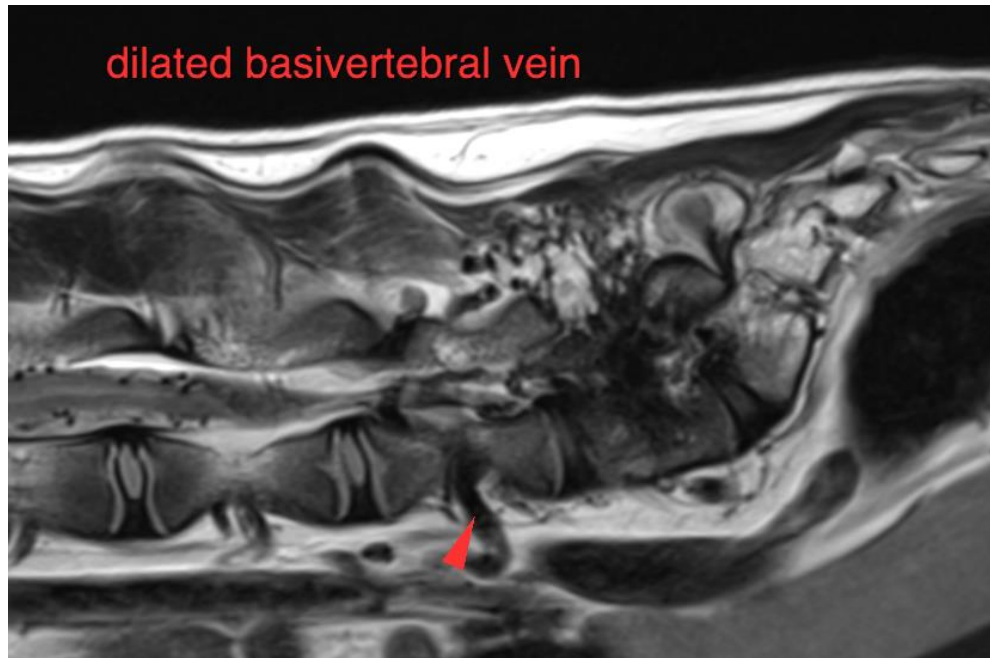
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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