



PATIENT PRESENTING CLINICAL SIGNS

Blue Tran History: Acute onset right hemiparesis and neck pain April 24

SPECIES

Canine

MAGNETIC RESONANCE IMAGING OF THE CERVICAL SPINE

BREED

Chihuahua X

T2&T1 (DIXON) weighted pre- and post-gadolinium sequences in multiple imaging planes are provided for review.

MAGNETIC RESONANCE IMAGING FINDINGS

SEX

Neutered Male

Level with C1, in the right dorsolateral aspect, a in all sequences to the CSF isointense ovoid shaped lesion is seen, distorting the deviating the spinal cord at the same level to the left. Post contrast administration, the meningeal lining level with C1/C2 is prominent and presents significant contrast enhancement – most accentuated in the right dorsolateral aspect of the vertebral canal.

AGE

4 Years

The dorsal atlanto-axial ligaments are prominent and bulging mildly ventrally into the vertebral canal, mildly depressing the dorsal aspect of the spinal cord at the same level.

Post contrast administration, no pathological distribution of the contrast enhancement is appreciated.

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Strong contrast enhancement of the pachymeninx level C1/C2 with focal thickening and intramedullary extradural compression of the spinal cord
- Right sided Subarachnoidal diverticulum C1
- Mild hypertrophy of the dorsal atlanto-axial ligaments

HOSPITAL NAME

Animal Health
Partners

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The main finding is the focal thickening of the pachymeninx level C1/C2 with mass effect on the spinal cord ± accompanying widening of the subarachnoid space at the same level. Given the acute onset of clinical signs the main diagnosis is meningomyelitis of unknown origin or less likely infectious genesis. Round cell tumor can be a potential as well. A subarachnoid diverticulum is a potential as well, but the acute onset of clinical signs is atypical, and the main component appears to be the meningeal thickening. The changes of the CSF are supporting the diagnosis of inflammatory origin and empirical management is recommended. Depending on the clinical development follow up MR study if the cervical spine, including FLAIR is recommended to rule in/out subarachnoid diverticulum.

REFERRING VET

Dr. Greg Kilburn

INVOICE

14910

DATE

4/28/22



PATIENT

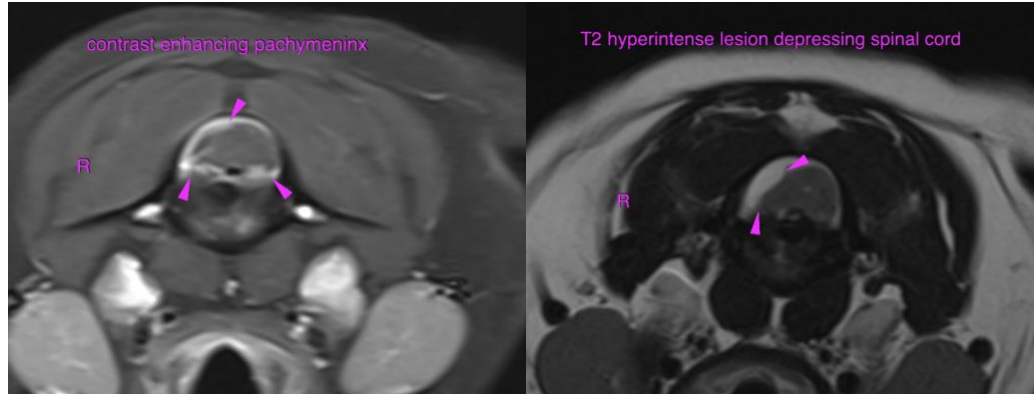
Blue Tran

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SEX

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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.

AGE

4 Years

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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