



PATIENT

Buster Brown
Morrow

PRESENTING CLINICAL SIGNS

Several months possible changes in behaviour. Mild cervical pain and subtle deficits on the right thoracic limb. Normal neurological examination otherwise. I am wondering about the nature of the lesion at C2 and also C7 vertebral body. Several months possible changes in behaviour. Mild cervical pain and subtle deficits on the right thoracic limb. Normal neurological examination otherwise. I am wondering about the nature of the lesion at C2 and also C7 vertebral body.

SPECIES

Canine

MAGNETIC RESONANCE IMAGING OF THE BRAIN AND CERVICAL SPINE

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

BREED

Shih Tzu

MAGNETIC RESONANCE IMAGING FINDINGS

Level with the origin of the right trigeminal nerve from the lateral aspect of the pons, moderate plaque like thickening of the meninges is appreciated. A mild mass effect on the mesencephalon is seen, that is mildly distorted.

SEX

MN

Level with C2, in the ventral aspect the vertebral canal, segmental thickening of the dural lining is appreciated extending up into the right neuroforamen C2/C3.

AGE

12

The vertebral body of C7 presents a diffuse T2 and T1 hyperintense signal – not suppressed in the fat-suppressed sequences.

The sulci of the brain are prominent, and the volume of the gyri is mildly decreased.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The ventricular system presents the expected dimensions, morphology and the CSF signal is within normal limits in all sequences.

The tympanic bullae are aerated, and the bony lining is thin.

Surrounding soft tissue structures in the head region are within normal limits.

HOSPITAL NAME

Animal Health
Partners

MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Plaque like pachymeningeal thickening level with the origin of the right trigeminal nerve and level with C2
- T2&STIR hyperintense signal vertebral body C7 with mild contrast enhancement
- Mild age related atrophy of the brain

REFERRING VET

Dr. Edouard Marchal

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The meningeal lesions and lesion of the vertebral body of C7 is highly concerning for neoplastic invasion with round cell tumor being the top differential. Theoretically meningitis is a consideration as well, but I would expect more severe neurological changes after this long period of clinical signs.

INVOICE

52502

If not done so yet, recommend complementing workup by CSF tap.

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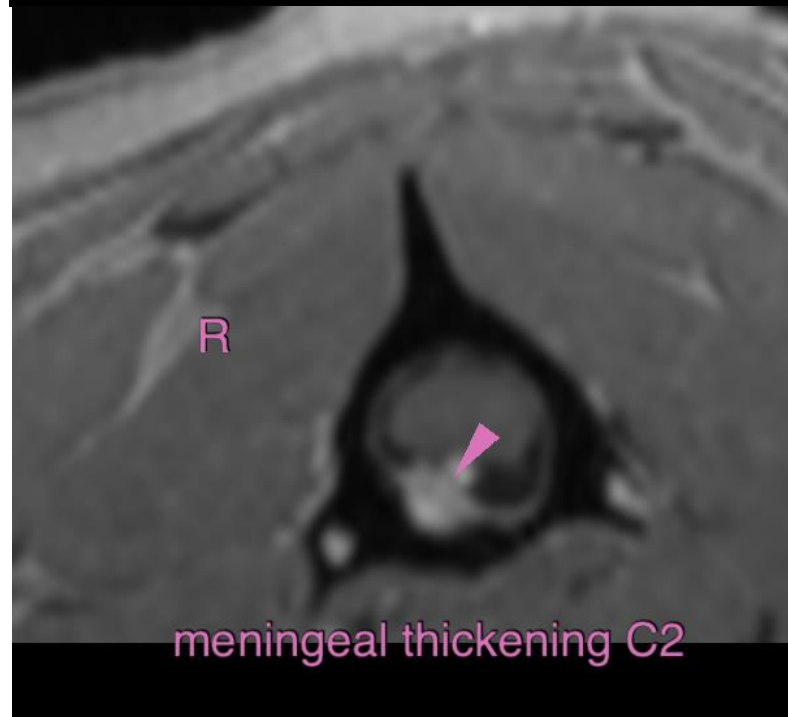
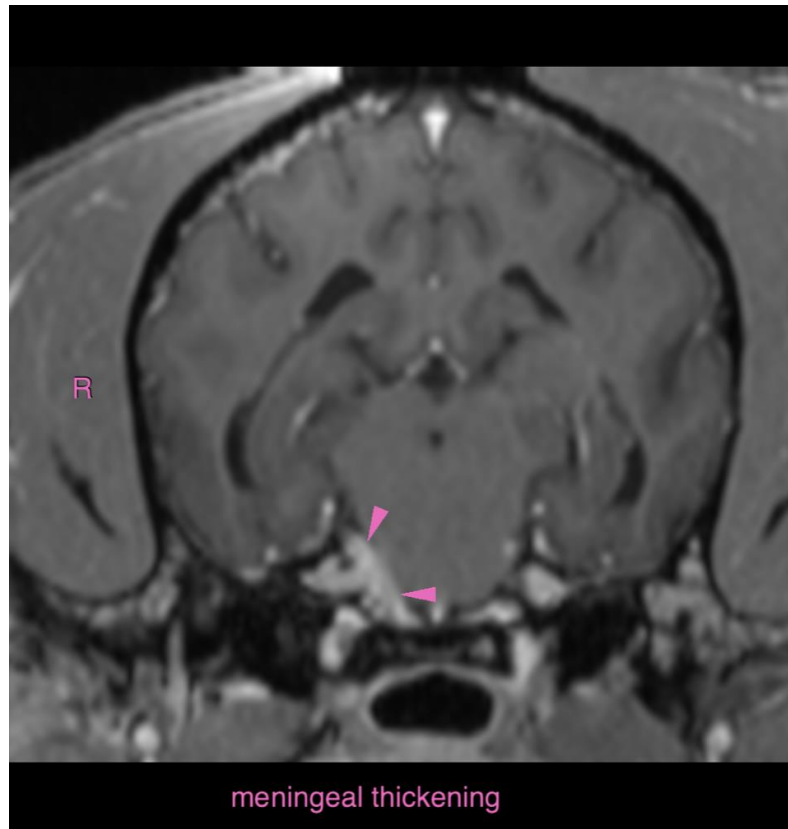
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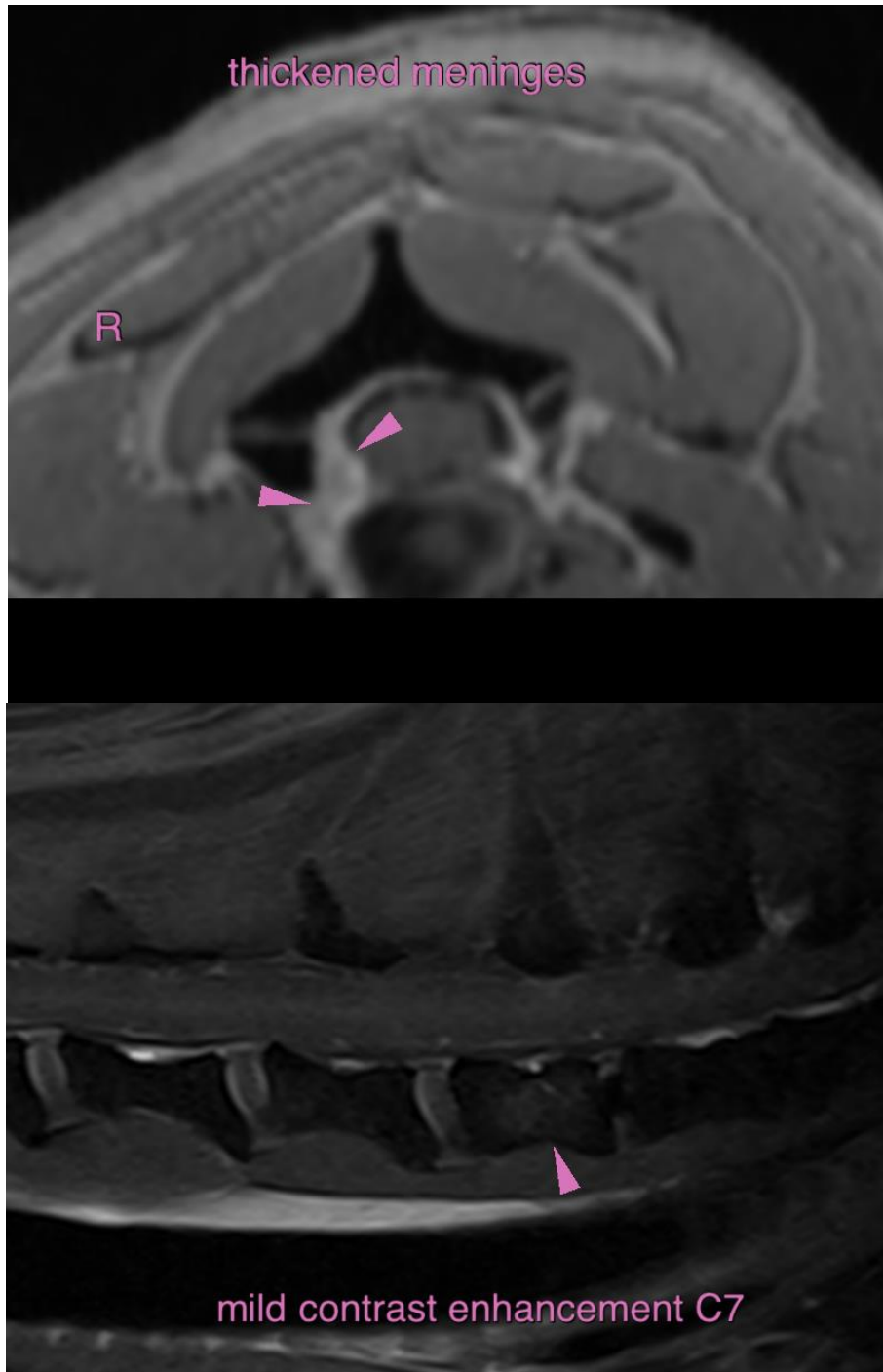
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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