



**PATIENT PRESENTING CLINICAL SIGNS**

Tux Markandey Presented for evaluation of suspected generalized seizure Feb 24, 2022 also has a history of pain/ lameness in left forelimb/cervical region  
 Abnormal PE/Chem/CBC/UA Results: Normal neurological exam mild pain with left shoulder palpation Localization - thalamocortex +/- c-spine/left shoulder

**SPECIES**

Canine

**MAGNETIC RESONANCE IMAGING FINDINGS**

**Brain**

The MRI study of the brain reveals a single 6mm sized cystic cavitation within the parenchyma of the ventral aspect of the right temporal lobe. The lesion content is isointense to csf in all available sequences. No evidence of intralesional hemorrhage or restricted water diffusion is seen. Only minimal thin peripheral rim enhancement is noted. There is no significant mass effect and no perilesional edema.

**BREED**

Terrier X

**SEX**

MN

**Cervical Spine**

Mild intervertebral disc protrusions and degenerative disc disease is seen between C3/4, C5/6, and C6/7.

**AGE**

11 Years

Interruption of the annulus fibrosus without displacement of the nucleus pulposus, however, with vertebral end plate sclerosis and early new bone formation of the vertebral end plates present between C4 and C5. No evidence of concurrent spinal cord compression is seen. No significant nerve root enlargement is noted. Transverse images are not available to further determine potential laterality of the disc hernias.

**INTERPRETED BY**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

The left thoracic limb presents mild muscle atrophy.

**HOSPITAL NAME**

Animal Health Partners

**MAGNETIC RESONANCE IMAGING DIAGNOSIS**

- Single small cystic cavitory lesion within the ventral aspect of the right temporal lobe.
- Multiple mild chronic intervertebral disc protrusions within the cervical spine between C3/4, C5/6, and C6/7.
- Disrupted annulus fibrosus without extrusion or compressive myelopathy C4/5.
- Atrophy of the left front limb musculature.

**REFERRING VET**

Dr. Kilburn

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Differential diagnosis for the cystic lesion within the right temporal lobe includes cystic dilation of perivascular spaces or other benign cyst. Abscess, intraaxial neoplasia with central tumoral necrosis, and inflammatory/infectious encephalopathy with cystic cavitation are all thought less likely. Correlate with the clinical workup and complementary csf analysis. Consider follow up MRI if possible.

**INVOICE**

50644

**DATE**

3-1-22

Multiple mild disc hernias were identified in the cervical spine. The degree of spinal cord compression does not necessarily explain the clinical signs, neither does it explain the laterality of the clinical signs.



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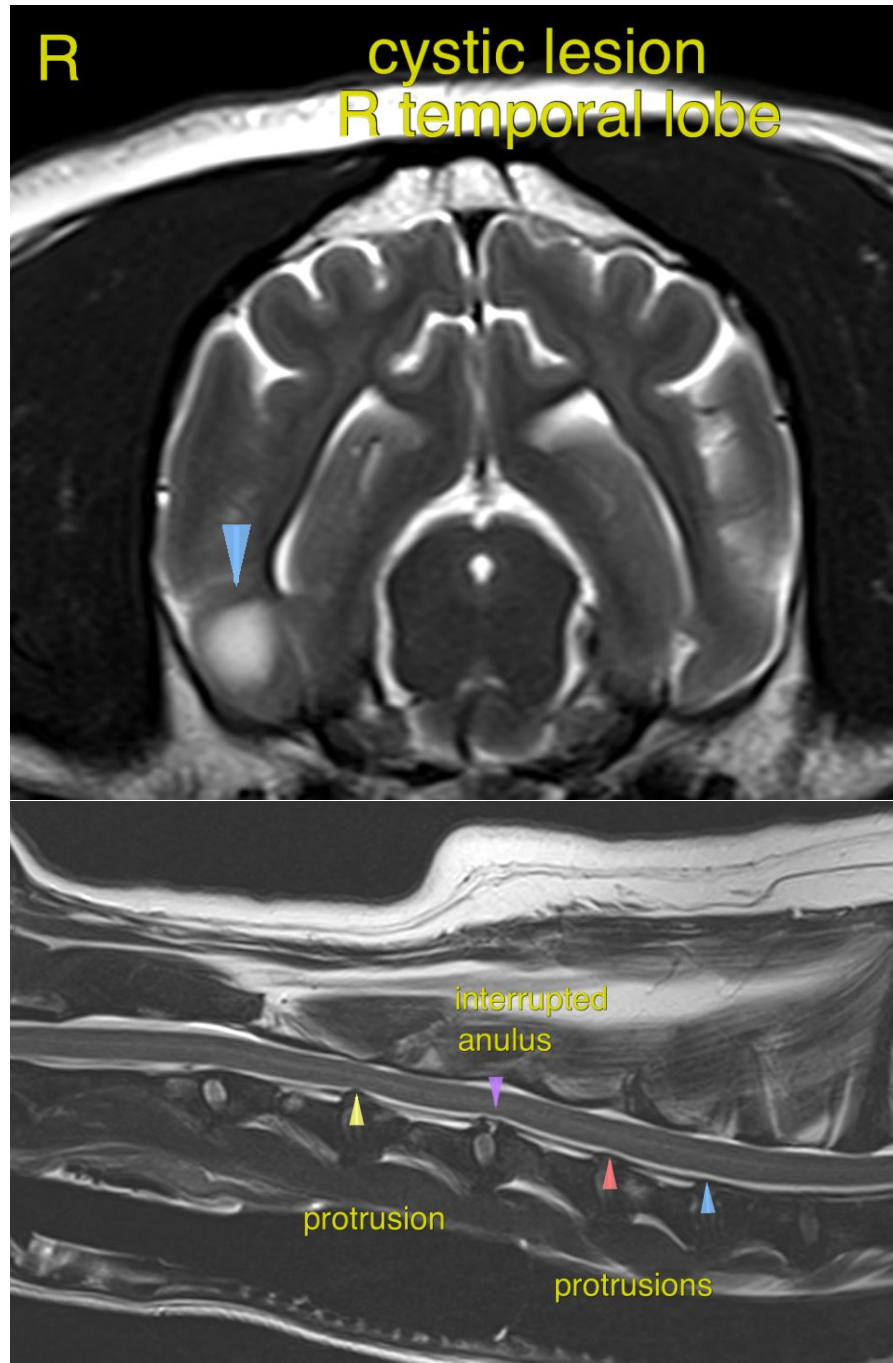
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**PATIENT**

Tux Markandey

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.

**SPECIES**

Canine

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
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