


**PATIENT PRESENTING CLINICAL SIGNS**

**Gimli Presswell**  
**SPECIES**  
 Canine

1 week history of lethargy and decreased appetite. On exam at RDVM Aug 7, they found circling to the left, a mild right sided head tilt, cranial nerve deficits, and proprioceptive deficits in the right limbs. Gimli has also been having 4 suspected seizure-like episodes where he is lying in right lateral, flexes & stiffens his limbs, drools, and whines during episode. He also seems agitated when touched on the left side of his head/neck (will snap). He is having difficulties apprehending food (even when the bowl is raised) but still seems interested in eating. He seems to be improving over the weekend.

**BREED**  
 Mixed

Abnormal PE/Chem/CBC/UA Results: On neuro exam today, he is ambulatory with mild tetraparesis, no head tilt or circling, mildly delayed proprioception in RHL, and pain on cranial cervical palpation. He is painful on cervical ventroflexion. Bloodwork revealed mild neutrophilia and he is currently receiving gabapentin. Neurolocalization: thalamocortex vs C1-5 myelopathy

**MRI OF THE BRAIN & CERVICAL SPINE**

**SEX**  
 Neutered Male

T2/T2\* diffusion weighted ADC map, FLAIR plain and post-contrast studies available for review for the brain, T2 weighted images of the cervical spine are available for review.

**MRI FINDINGS**

**AGE**  
 5 Years

Multiple small extraaxial ovoid areas of signal void are seen on the surface of the left cerebral hemisphere. These areas present T2 and T2\* hypointensity as well as T1 hyperintensity and are contrast negative. Regional increase in leptomeningeal enhancement is seen accentuated in the region of the mid brain, thalamus and hypothalamus as well as throughout the bilateral cerebral hemispheres.

**INTERPRETED BY**  
 Nele Eley (Ondreka),  
 DVM Dr. med. vet.,  
 DipECVDI

Multiple areas of hyperintensity and swelling of the left caudate nucleus, left thalamus, and left hippocampus are noted.

Number, alignment, and general anatomy of the cervical vertebrae present within normal limits. The cervical spinal cord presents within normal limits.

**HOSPITAL NAME**

Animal Health  
 Partners

The areas affected by signal void present restriction of diffusion of the water molecules.

**MRI DIAGNOSIS**

- Suspect multiple subacute hemorrhagic thrombi of the superficial brain vasculature as well as multiple deep cerebral vascular events of the left caudate nucleus, thalamus, and hippocampus in combination with increased leptomeningeal enhancement.

**REFERRING VET**

Dr. Alison Little

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**
**INVOICE**

44523

**DATE**

8/8/23

The MRI study reveals multiple hemorrhagic cerebral vascular events versus multiple subacute thrombosis of the left superficial brain vessels with mild mass effect and regional leptomeningeal enhancement. Moreover, multiple presumably ischemic cerebral vascular events are seen associated with the striate and perforating arteries of the left caudate nucleus, left thalamus, and left hippocampus. Systemic hypertension, coagulopathy, and vasculitis are potential underlying causes. Cerebral amyloid angiopathy, bacterial infection, infection with *Angiostrongylus* are potential differential diagnoses. A possibility of angiocentric/vascular lymphosarcoma cannot be ruled out entirely but is thought far less likely. Screening for systemic hypertension, coagulopathy, and CSF analysis could be considered for further definition.



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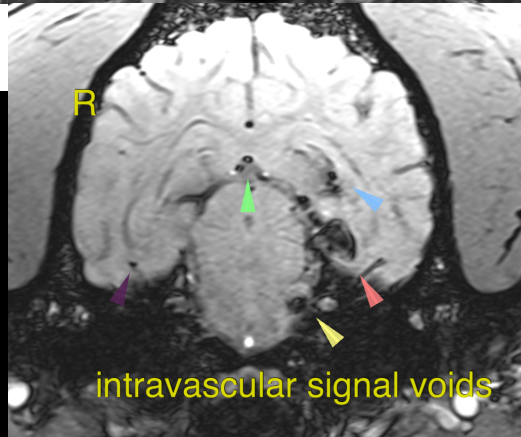
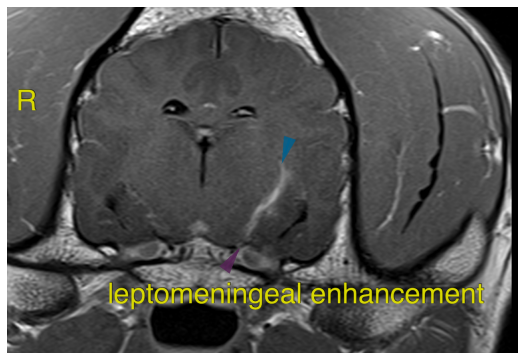
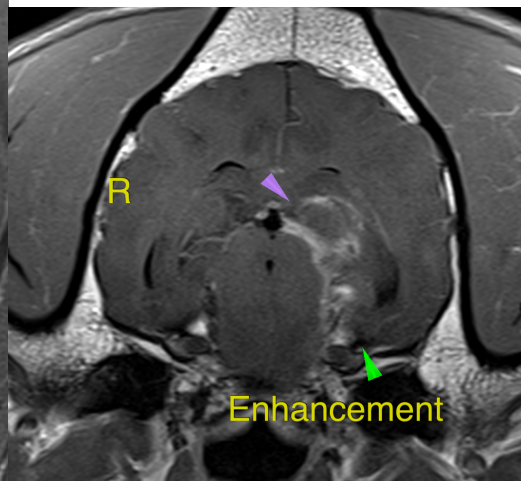
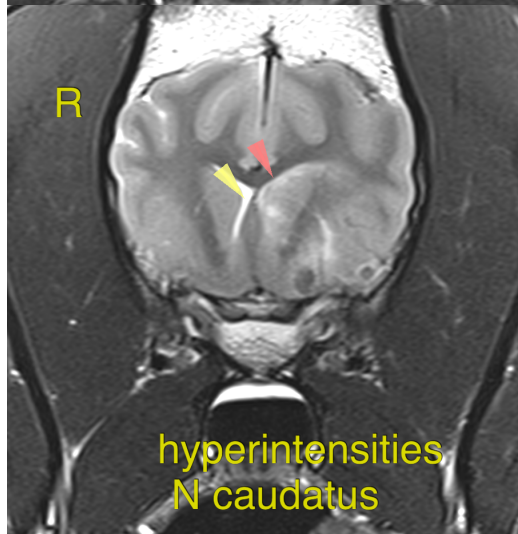
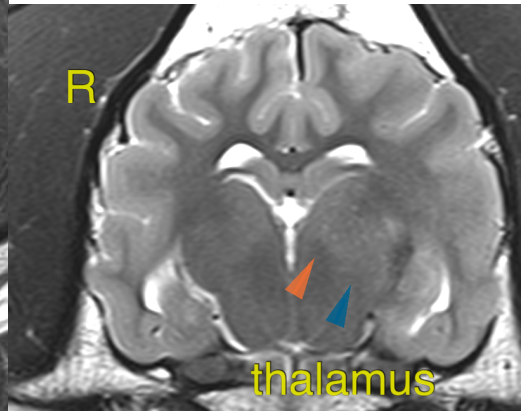
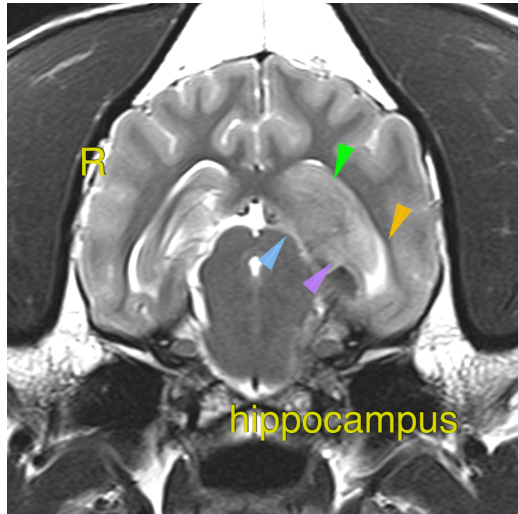
Dr. Alison Little

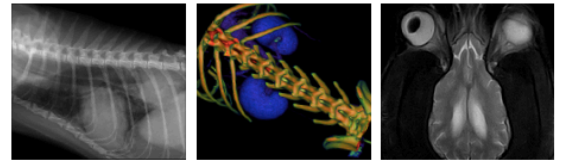
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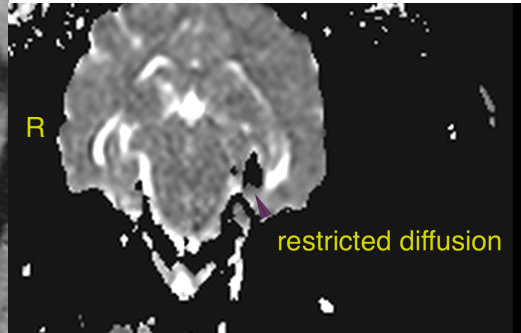
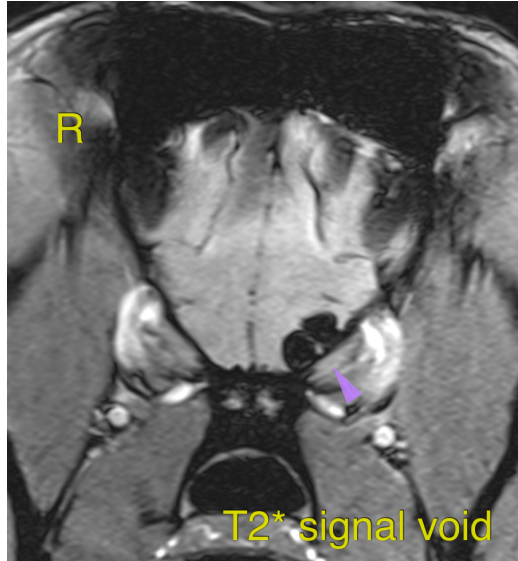
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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