

**PATIENT**

Blue Owen

**PRESENTING CLINICAL SIGNS**

Presented for recent onset frequent seizures. Has been otherwise cognitively normal. Exam not able to be interpreted due to sedation from diazepam. Previous CSF analysis was normal  
Abnormal PE/Chem/CBC/UA Results:

**SPECIES**

Canine

**MAGNETIC RESONANCE IMAGING OF THE SKULL**

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

**BREED**

Golden Retriever

**MAGNETIC RESONANCE IMAGING FINDINGS**

The sulci are widened and the volume of the gyri of the cerebral hemispheres is decreased. There is an increased width of the subarachnoid space between the foliae of the cerebellum. The brain presents the expected anatomy and bilateral symmetry with normal signal intensity and contrast enhancement. There is no evidence of abnormal meningeal enhancement.

**SEX**

MN

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.

**AGE**

1 Year

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

**MAGNETIC RESONANCE IMAGING DIAGNOSIS****INTERPRETED BY**

- Mild cerebral and cerebellar atrophy

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The generalized mild atrophy of the cerebrum and cerebellum can indicate underlying lysosomal storage disease such as neuronal ceroid lipofuscinosis. Potentials for the cerebellar atrophy are infectious disease such as neosporosis or in-utero parvovirus infection.

**HOSPITAL NAME**

Animal Health  
Partners

If not yet done so the workup should be complemented by examination of CSF and complete bloodwork to screen for brain disease that is not necessarily associated with structural changes of the brain parenchyma and rule out hepatoencephalopathy and other systemic illness.

**REFERRING VET**

Dr. Greg Kilburn

**INVOICE**

53362

**DATE**

8-9-22



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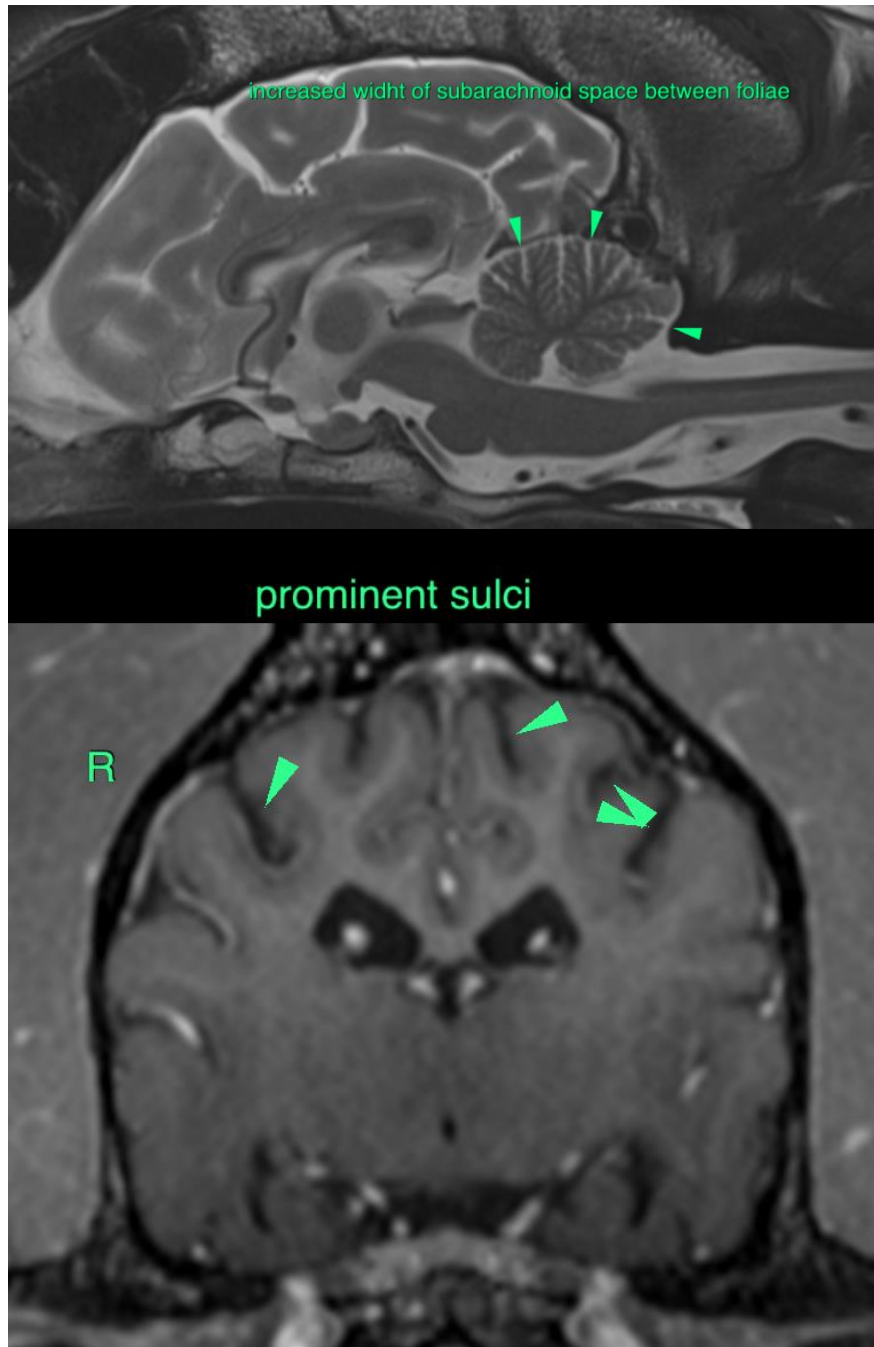
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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  
sebast.schaub@gmail.com

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