



PATIENT

Shelby Langley

SPECIES

Canine

BREED

Nova Scotia Duck
Tolling Retriever

SEX

FI

AGE

6 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

Dr. Little

INVOICE

49112

DATE

12-16-21

PRESENTING CLINICAL SIGNS

Shelby, a 6 year old, F Nova Scotia Duck Tolling Retriever, presented to the AHP Neurology Service on December 16, 2021 for an MRI study of the brain. She has been having epileptic seizures. She had no evidence of seizure activity until her second pregnancy and this was witnessed on Aug 25,21. Two weeks later (she was 7 weeks post-partum), she had 2-3 episodes within a 24 hr period. These episodes typically last 4-5mins and occur when she is asleep. She would be unconscious and convulsing and paddling violently. Since then frequency has varied from every 3 weeks to several episodes in 24 hr period despite a trial of calcium supplement was given. She was started on phenobarbital 45mg PO BID on Nov 13. No new episodes were noted up until Dec 13/14 overnight (afternoon around 4 and at night around 10-11. The recent episodes were less violent and of shorter duration but her post-ictal was longer. Since then there has been no new episodes.

MAGNETIC RESONANCE IMAGING STUDY OF THE BRAIN

T2, T2-star, diffusion weighted, FLAIR, plain and post contrast, T1-plan and post contrast sequences in multiple image planes available for review.

MAGNETIC RESONANCE IMAGING FINDINGS

The presentation of the neuroparenchymal is within the expected limits in terms of its anatomy, bilateral symmetry, and signal behavior. No evidence of structural pathology is identified.

The diffusion weighted and T2 star sequences are negative for restricted diffusion of the water molecules or hemorrhage. There is no evidence of pathologic contrast enhancement.

The subarachnoid spaces are within normal limits in terms of their volume and signal behavior.

The craniocervical junction presents within normal limits.

Moderate thickening and increased signal intensity of the epithelial lining of the right external auditory meatus is seen. The tympanic bullae present within normal limits. Both inner ears present within normal limits.

MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Structurally normal MRI findings of the brain.
- Right sided otitis externa.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no evidence of structural brain pathology. The negative MRI findings support the potential of primary/idiopathic epilepsy. Complementary csf analysis could be considered in order to screen for inflammatory/infectious, metabolic/toxic, neurodegenerative, or other nonstructural brain injury.

Otoscopic workup could be considered.



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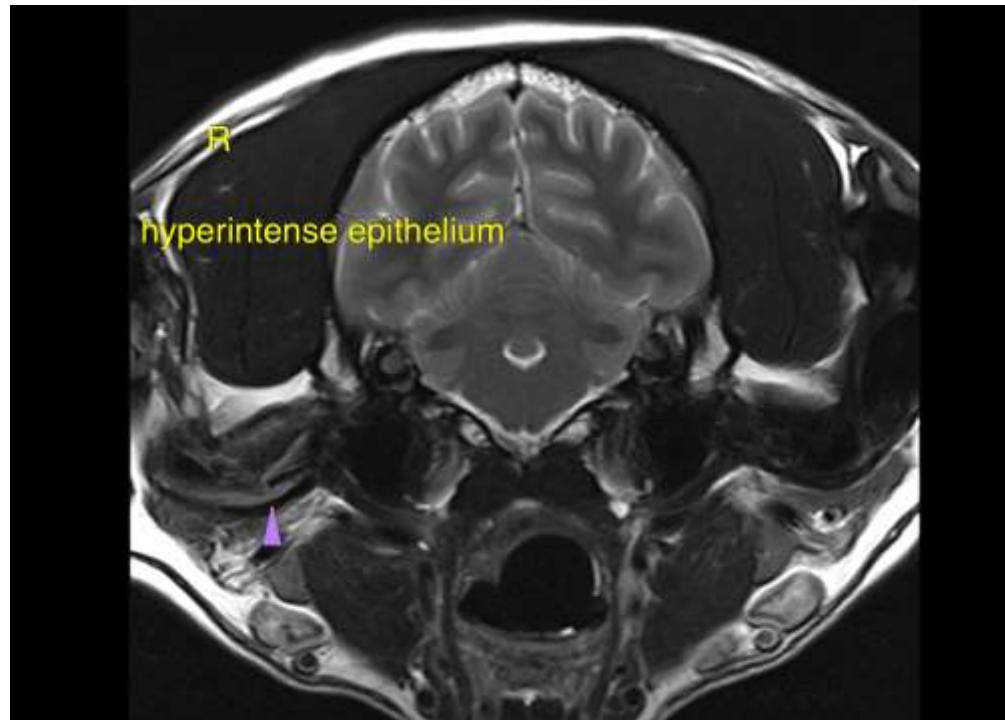
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
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