



**PATIENT**

Shelby Langley

**PRESENTING CLINICAL SIGNS**

Idiopathic epilepsy. previous MRI and CSF within normal limits Dec 17, 2021 (read by sonopath) poorly controlled epileptic. Numerous seizures in the last week. behaviour has been off since. Concern for intermittent exophthalmus OS and deviation of the nose to the left. Owner concerned that eye is painful and bulges out. CT performed to rule out structural cause for exophthalmus. Normal physical and neurological examination on today's assessment

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies in soft tissue and bone windows available for review.

**BREED**

Nova Scotia Duck  
Tolling Retriever

**COMPUTED TOMOGRAPHIC FINDINGS**

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

**SEX**

F

Moderate three-dimensional asymmetry of the facial bones is identified accentuating the hard palate, nasal, and maxillary bones with leftward angulation of the tip of the nose and rightward deviation of the nasal septum in its mid third. There is rightward incline of the hard palate. The osseous asymmetry extends into the orbita which creates a slightly asymmetric position of the left and right eye. The orbital soft tissues including the extraocular musculature, pterygoid muscle, zygomatic salivary gland, and optic nerve present within normal limits and smoothly delineate their attenuation. The retrobulbar fat is within normal limits. There is no evidence of a retrobulbar mass effect. The masticatory musculature presents symmetric and with normal attenuation.

**AGE**

6 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

**HOSPITAL NAME**

Animal Health  
Partners

The epithelial lining of the right external auditory meatus is moderately thickened and presents increased contrast enhancement. A mild amount of hypoattenuating material is seen within the right external auditory meatus. Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin.

**REFERRING VET**

Dr. Allison Little

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

The salivary glands present within normal limits.

**INVOICE**

51187

The visible dentition is within normal limits.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Structurally normal CT study of the brain.
- Moderate facial bone asymmetry with asymmetric position of the eyes.
- No evidence of retrobulbar soft tissue changes.

**DATE**

3-25-22



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- Moderate chronic right sided otitis externa.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals no evidence of structural brain pathology. However, the changes need to be correlated with the existing MRI findings owing to the greater sensitivity of MRI for neuroparenchymal injury.

**SPECIES**

Canine

Right sided otitis externa is noted.

**BREED**

Nova Scotia Duck  
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There is no evidence of a retrobulbar soft tissue mass effect. The asymmetry of the eye position is considered an effect of the facial bone asymmetry which may be congenital, developmental, or traumatic in origin. At this time, it does not appear to be associated with rhinosinusitis or other significant changes other than mild maxillomandibular malocclusion.

**SEX**

F

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**REFERRING VET**

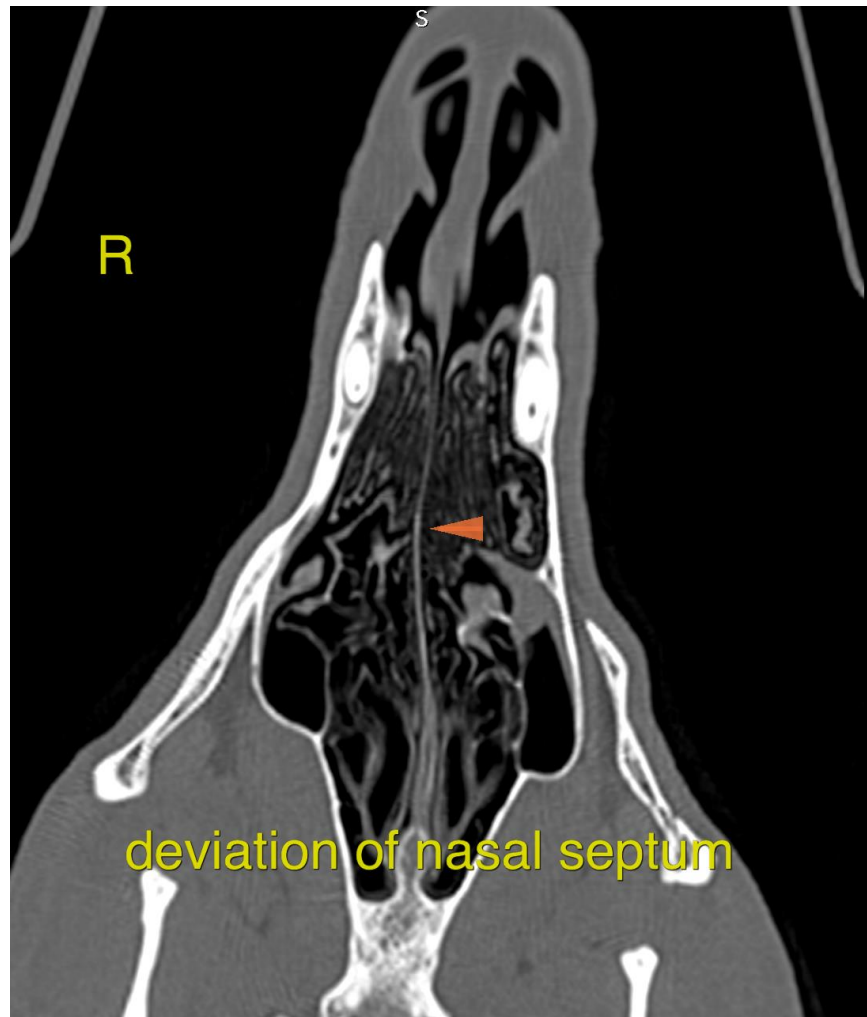
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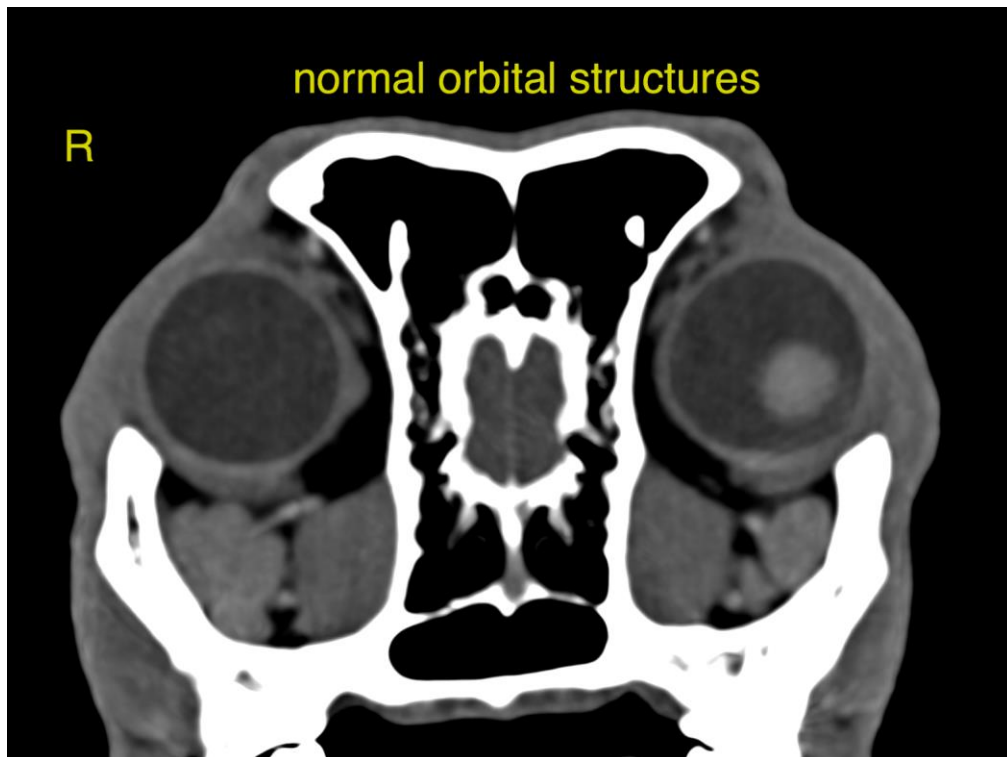
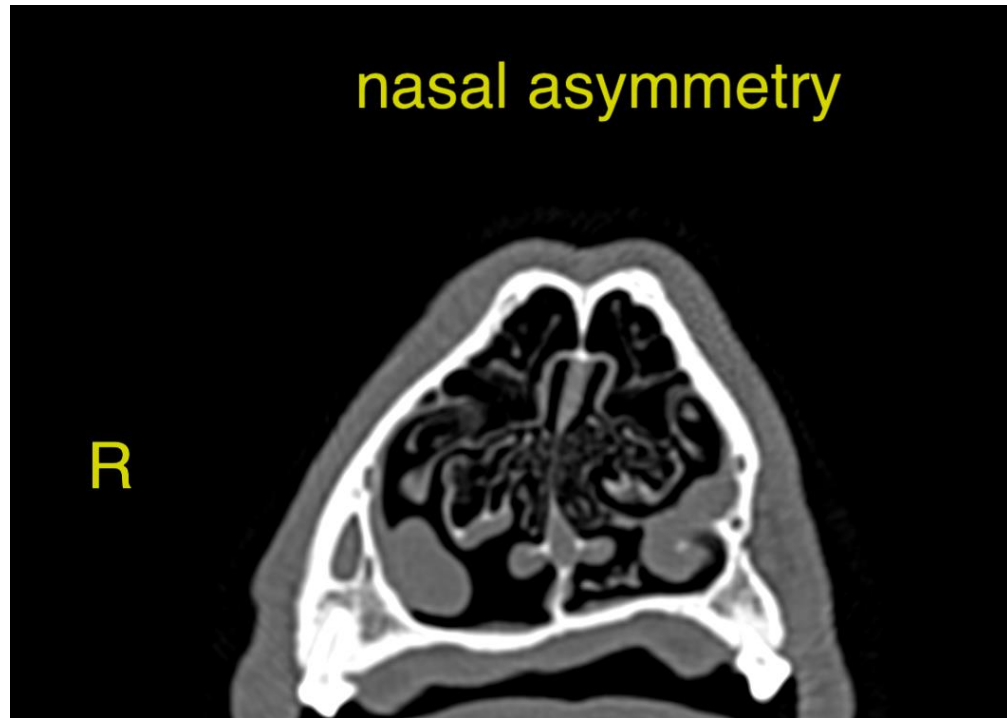
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Canine

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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