



**PATIENT**

Lola Sanders

**PRESENTING CLINICAL SIGNS**

Chronic ear infections, focal seizures

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

Doberman

**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. The pituitary gland presents within normal limits.

**SEX**

FS

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

**AGE**

3 Years

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

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits. The osseous labyrinthium and cochlea of the inner ear present within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

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.

**HOSPITAL NAME**

Mountain West  
Veterinary Hospital

The salivary glands present within normal limits.

The visible dentition is within normal limits.

**REFERRING VET**

Melanie Thompson

- Normal CT findings of the external auditory meatuses, tympanic bullae, and inner ears.
- Normal CT findings of the brain.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study does not reveal evidence of current ear infection. The external auditory meatuses are patent. The tympanic bullae and inner ear present no structural abnormality. No evidence of structural brain injury is noted. The seizural activity may be due to primary epilepsy. However, other pathology such as inflammatory/infectious, metabolic/toxic, nutritive, neurodegenerative, cerebrovascular, and other cannot be ruled out entirely and complementary csf analysis can be considered. An MRI would be an option for further definition should the patient's clinical signs persist or deteriorate. Consider complementary otoscopic workup if not performed already.

**INVOICE**

57877

**DATE**

4-18-23



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**SPECIES**

Canine

**BREED**

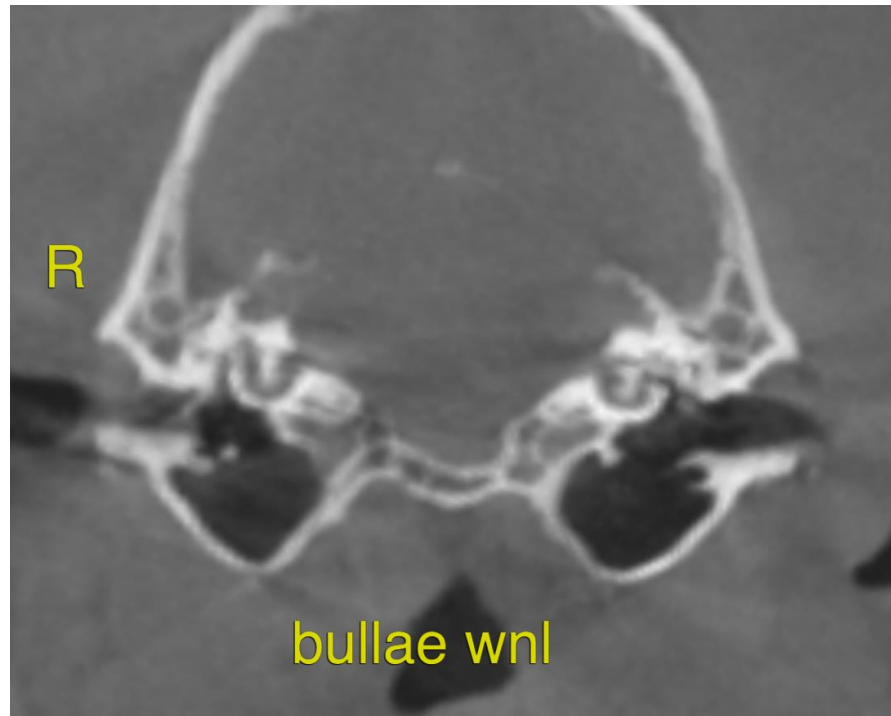
Doberman

**SEX**

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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.

**HOSPITAL NAME**

Mountain West  
Veterinary Hospital

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

**REFERRING VET**

Melanie Thompson

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