



**PATIENT PRESENTING CLINICAL SIGNS**

Taina Alicea Patient presented with an acute onset of nystagmus and epilepsy that last 2 minutes. Heart and lungs normal upon auscultation. CRT <2sec and pink mm. Patient is on levetiracetam 250mg 1 +1/4 tab po tid

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Canine Plain and post contrast studies available for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Shih Tzu 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**

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

**AGE**

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

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

A mild amount of hypoattenuating material is seen medially within both external auditory meatuses. Mild thickening of the epithelial lining with increased contrast enhancement is noted bilaterally as well. Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The middle and inner ear present within normal limits.

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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.

Multiple dental plaques of the molar teeth and mild signs of periodontal disease are noted.

**REFERRING VET**

Dr. Ramos

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Normal CT presentation of the brain, pituitary gland, middle and inner ear.
- Mild bilateral otitis externa.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings of the brain, pituitary gland, middle, and inner ear present within normal limits. The negative CT findings render idiopathic epilepsy or idiopathic vestibular syndrome a potential. However, cerebrovascular disease, inflammatory/infectious, metabolic/toxic, and nutritive pathology cannot be ruled out entirely. Further definition by means of an MRI could be considered in case of persisting clinical signs despite the symptomatic treatment and anticonvulsive medication.

**DATE**

3-23-23



**PATIENT**

Taina Alicea

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

Female

**AGE**

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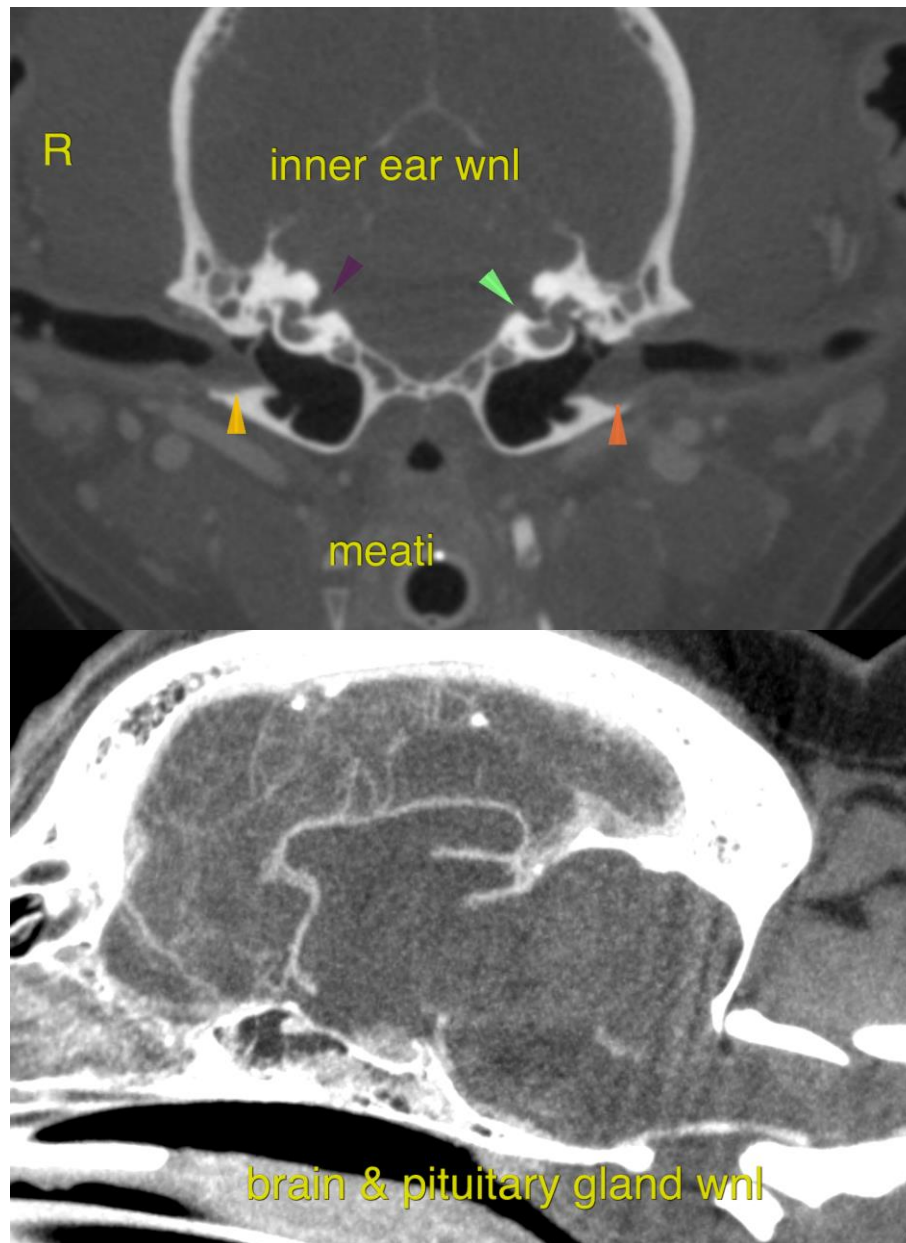
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**PATIENT**

Taina Alicea

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

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