



## PATIENT

Olivia Delgadillo

## SPECIES

Canine

## BREED

Maltese Mix

## SEX

FS

## AGE

12Y, 11M

## WEIGHT

11.5

## INTERPRETED BY

Tilde Rodrigues Froes,  
DMV, MSc., Dr. Med  
Vet., Dipl. CBraRVet

## IMAGING PERFORMED BY

Ashley/Corrina

## HOSPITAL NAME

Animal Clinic  
Northview

## REFERRING VET

Randall V. Hutchison,  
DVM

## INVOICE

72659

## DATE

11-18-25

## PRESENTING CLINICAL SIGNS

Seizure history Was controlled on Keppra but had four seizures in the last month. Due to age, screening for any underlying structural disease.

## COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

A pre- and post-contrast computed tomographic (CT) study of the head was provided for review, totaling two series: one pre-contrast series acquired using a bone algorithm and one post-contrast series using a bone algorithm.

## COMPUTED TOMOGRAPHIC FINDINGS

### HEAD

No evidence of intracranial mass effect, falx cerebri deviation, or ventriculomegaly. No abnormal intracranial attenuation or extra-axial fluid accumulation is identified.

Multiple missing teeth: Triadan 101, 108, 311, 405, and 411.

Mild alveolar bone loss is present, most prominent adjacent to Triadan 107 and 207.

The root of Triadan 308 appears hypoattenuating, affecting the dental pulp.

Two small soft tissue micronodules are identified, one along the left dorsolateral skull, adjacent to the external sagittal crest, measuring 2.6 mm. One in the dorsal cervical region at C2, measuring 5.9 mm.

The nasal cavities and turbinates are within normal limits.

The cribriform plate is intact.

The oropharynx, nasopharynx and soft palate are within normal limits.

The frontal sinuses are rudimentary

The bulla cavities and external auditory canals are within normal limits.

The globes and retrobulbar spaces are within normal limits.

The temporomandibular joints are bilaterally incongruent, without evidence of degenerative osseous change.

The medial retropharyngeal lymph nodes and mandibular lymph nodes are unremarkable.

The mandibular, parotid and zygomatic salivary glands are unremarkable.

The thyroid glands are within normal limits.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Normal intracranial CT appearance, with no evidence of mass effect, ventriculomegaly, or structural lesions.



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- Multiple missing teeth 101, 108, 311, 405, and 411.
- Mild diffuse regional alveolar bone loss, particularly at Triadan 107 and 207.
- Endodontic disease affecting Triadan 308, characterized by radicular hypoattenuation. Mild periodontal disease.
- Two tiny subcutaneous micronodules. Differential diagnosis includes soft tissue granulomas, or early soft tissue neoplasia.
- Bilateral temporomandibular joints are incongruity, without associated degenerative osseous change (likely incidental).

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The tomographic findings of the intracranial structures (brain) are unremarkable. However, compared to MRI, computed tomography has lower sensitivity for evaluating the brain and spinal cord, particularly in detecting conditions such as neurovascular diseases, certain types of neoplasia, meningitis, encephalitis, and toxicity. Continue appropriate neurology-directed seizure management.

Other unrelated findings are missing few missing teeth, periodontal disease and endodontic disease affecting Triadan 308. Recommend dental evaluation to assess endodontic disease and regional periodontal changes.





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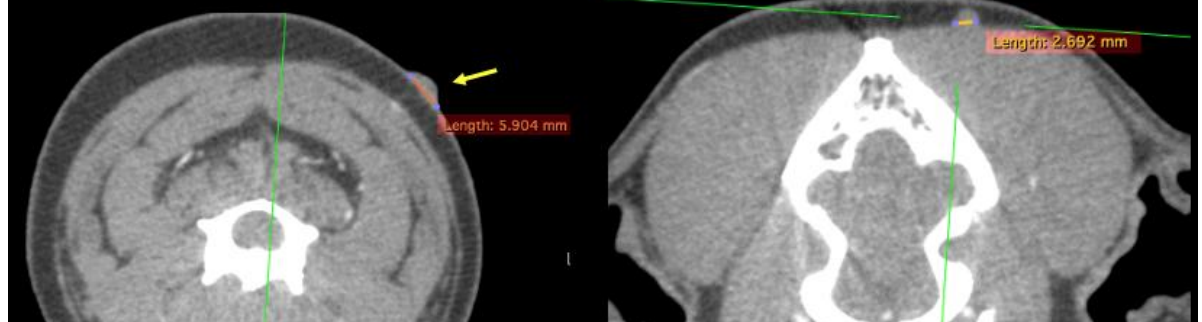
### Normal intracranial structures - brain



### Endodontic disease affecting Triadan 308



### Two small soft tissue micronodules





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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.

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.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet  
[info@sonopath.com](mailto:info@sonopath.com)