



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT**  
Charlie Sultana

**SPECIES**  
Canine

**BREED**  
Shih Tzu

Pet initially presented to rDVM in Nov of 2022 for sneezing/ reverse sneezing, "runny nose" and congestion. Since then, pet has been on several different antibiotics and antihistamines/ decongestants, none of which have helped. Pet developed an ear infection in late feb/ early march that owner states made him "off balance". Otitis resolved with treatment. Pet was referred for a CT scan to evaluate congestion/ upper airway signs. On pre-op exam, tooth 108 was noted to be loose with suspected fracture roots. Under anesthesia, the tooth crown was noted to be attached only to the gingiva, and was removed. Roots were not readily identified after extraction, although there is concern for retained/ fractured roots. C/S, and biopsies of the nasal passages were taken after the CT and submitted to the lab.

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**SEX COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**  
MN

Hypodontia is noted. Triadans 102, 106, and 107 are absent. A fractured root remnant of the triadan 107 is seen.

**AGE**  
7 Years

The triadan 103 shows severe periodontal space widening.

The mesial and distal roots of the triadan 108 are fractured. Remnants of the medial, buccal, and distal root of the triadan 108 are seen with no evidence of significant periodontal space widening.

**INTERPRETED BY**  
Nele Eley, DVM  
Dr. med. Vet. DipECVDI

There is no evidence of a dental-nasal fistula.

Triadan 110 is absent.

**HOSPITAL NAME**  
Wilson Veterinary Hospital

Triadans 205, 206, & 207 are absent.

Triadans 209 shows severe periodontal space widening.

Triadan 210 shows mild periodontal space widening.

**REFERRING VET**  
Outside Clinic

Triadans 301, 302, 303 are absent.

Moderate periodontal space widening of the triadan 304 is seen.

Root remnants of triadan 308 are seen.

**INVOICE**  
57745

Triadans 401, 402, & 403 are absent.

The patient has a brachycephalic head conformation with shortened facial bones, reduced volume of the nasal cavities, reduced number, and folding of the nasal turbinates.

**DATE**  
4-11-23

Mild mucosal swelling is noted within the nasal cavities. There is no evidence of turbinate destruction, soft tissue mass, or foreign material. The cribriform plate is intact.

The tympanic bullae and external auditory meatuses present within normal limits.



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The regional lymph nodes present within normal limits.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

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- Mild nondestructive rhinitis
- Hypodontia with multiple absent tooth elements
- Complicated crown fracture of the triadan 108 with root remnants – The root remnants show no significant signs of periodontitis.
- No dental nasal fistula is seen.
- Moderate to severe periodontitis is seen at the triadans 103 & 209 – Extractions of these tooth elements appears to be indicated.
- Moderate periodontitis of the triadan 404 is noted – clinical correlation is required.

**SEX**

MN

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Differential diagnosis for the nondestructive rhinitis includes irritant or allergic noninfectious rhinitis as well as viral, bacterial, or mixed infection.

**AGE**

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Hospital

**REFERRING VET**

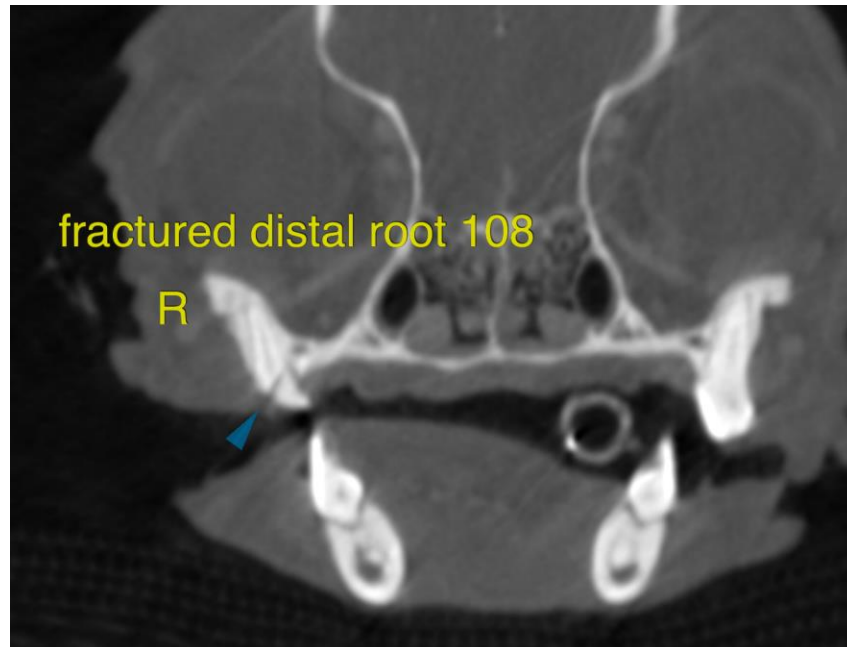
Outside Clinic

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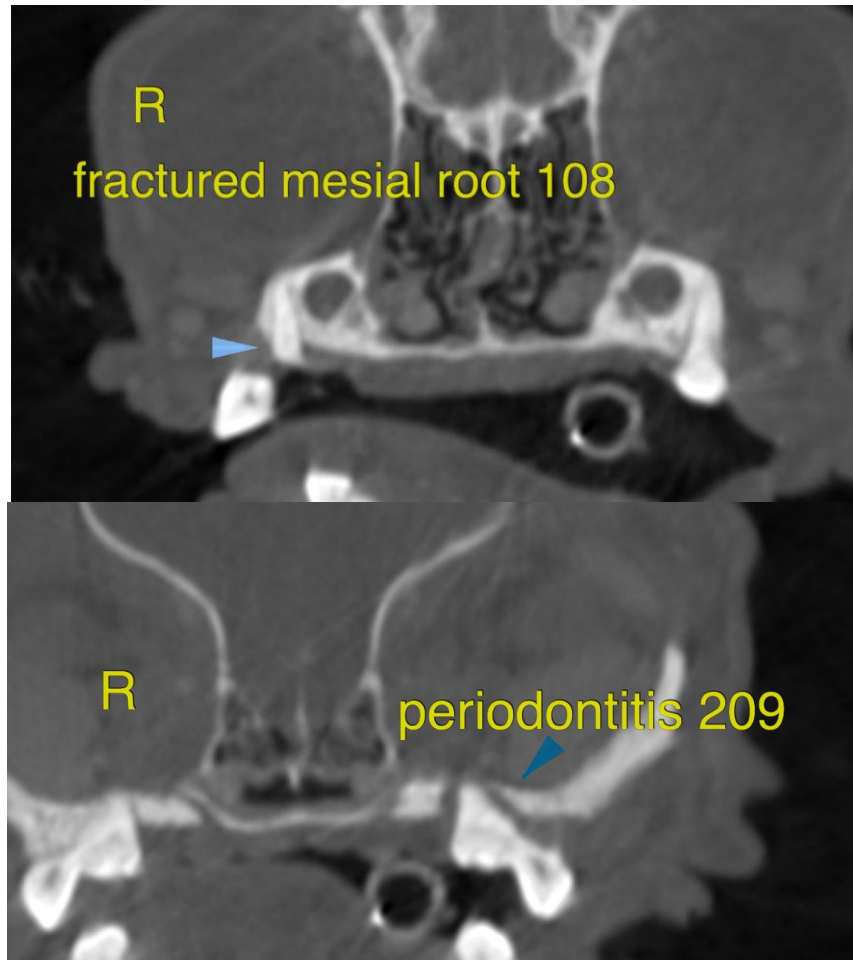
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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