



**PATIENT PRESENTING CLINICAL SIGNS**

**Lola Ciarabellini** Referred for CT due to 1 year history of nasal discharge with occasional epistaxis, no coughing or sneezing  
**SPECIES** Abnormal PE/Chem/CBC/UA Results: gingival erosion and bone loss present over the buccal surface of the left maxillary incisors with significant exposure of the root of tooth 202, complicated crown fracture tooth 201. CBC, chemistry WNL

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

**BREED** A pre- and post-contrast CT study of the head are provided for review totaling two series. One pre-contrast series and one post-contrast series, bone algorithm.

Pit Bull Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX** There is mild nasal asymmetry with mild loss of turbinate architecture in the more rostral and ventral portion of the left nasal cavity. Minimal mucosal enhancement and hypoattenuating fluid accumulation are noted. No evident mass effect is seen in the nasal cavities or hyperostosis changes.  
**FS**

**AGE** There are moderate regional irregularly demarcated geographic lysis associated with the incisive bone and surrounding the roots of the triadans 201 and 202. These lesions cause an osteolytic change in the incisive cortical bones, with incisive bone interruption. There is a complicated crown-root fracture with exposed pulp in the triadan 201.

6 Years

Adjacently in the ventral surface of the subcutaneous superior lip, in the ventral border of the nostrils, is a small spot of free air.

**INTERPRETED BY**

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

There is mild diffuse horizontal and vertical bone loss in the maxillary and mandibular bones. The remaining maxillary and mandibular teeth are intact.

The frontal sinuses and sphenoidal sinuses are unremarkable.

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The choana, nasopharynx and larynx are normal.

The cribriform plate is intact.

Mild hypoattenuating fluid accumulation fills the air space of the left tympanic bulla, and mild hyperostosis. The right tympanic bulla is unremarkable. The external auditory canals are unremarkable.

**REFERRING VET**

Desen Ertunc

No mass effect is seen in the brain or abnormal enhancing.

The temporomandibular joints are bilaterally congruent.

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The globes and retrobulbar spaces are unremarkable.

The medial retropharyngeal lymph nodes and mandibular lymph nodes are mildly enlarged, with normal contour and attenuation. The right medial retropharyngeal lymph node measures approximately 0.83 thickened, the left medial retropharyngeal lymph node 0.85cm thickened.

**DATE**

6-26-23



**PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Lola Ciarabellini
- Mild regional destructive rhinitis, more rostral and left side. The lesions are contiguous to the dental findings and suspected of oronasal communication.
  - Complicated crown-root fracture of the triadan 201 and pulpitis.
  - Moderate periapical resorptive lesions adjacent to the triadans 201 and 202, likely associated regional osteomyelitis of the incisive bone. Adjacent air in the superior lip soft tissue, emphysema, swelling and/or inflammation.
- Canine
- Left side tympanic bulla fluid accumulation and hyperostosis, the differential diagnosis includes otitis media.
- BREED
- Mild medial retropharyngeal and mandibular lymph node enlargement, lymphadenitis, reactive.

Pit Bull Mix

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX** The left sided mild regional destructive rhinitis is likely correlated to dental disease, as previously cited and confirmed, complicated fracture of the triadan 201, periapical reabsorption, and likely regional osteomyelitis of the incisive bone. Adjacent swelling, emphysema, and inflammation of the superior lip is seen. Other differentials include bacterial, viral, lymphocytic, plasmocytic, or less likely fungal rhinitis.

FS

**AGE** There is no evidence of mass effects or radiopaque foreign material in the nasal cavities.

6 Years Correlate the oral tomographic findings with the oral and dental exams.

Correlate the otitis media finding with the clinical exam and/or otoscopy.

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**HOSPITAL NAME**

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**REFERRING VET**

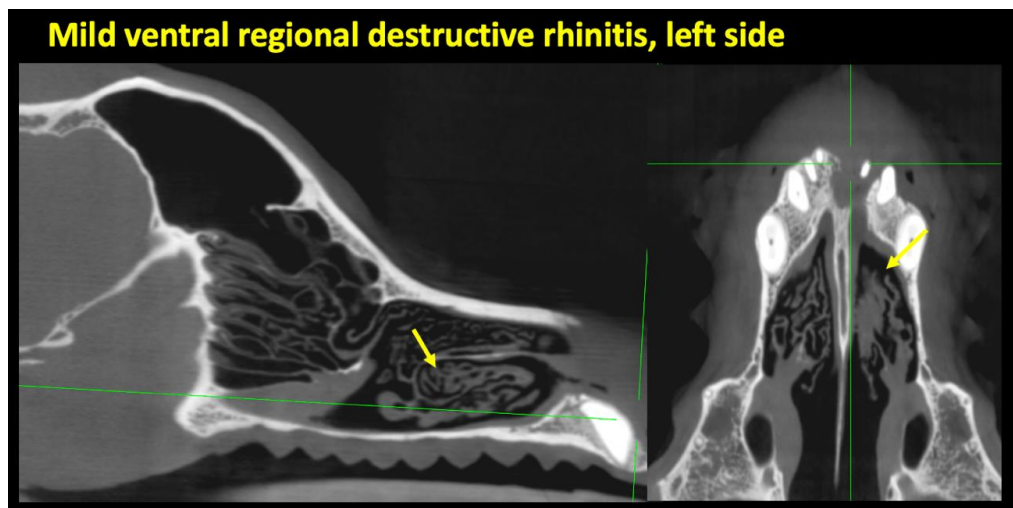
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**PATIENT**

Lola Ciarabellini

**SPECIES**

Canine

**BREED**

Pit Bull Mix

**SEX**

FS

**AGE**

6 Years

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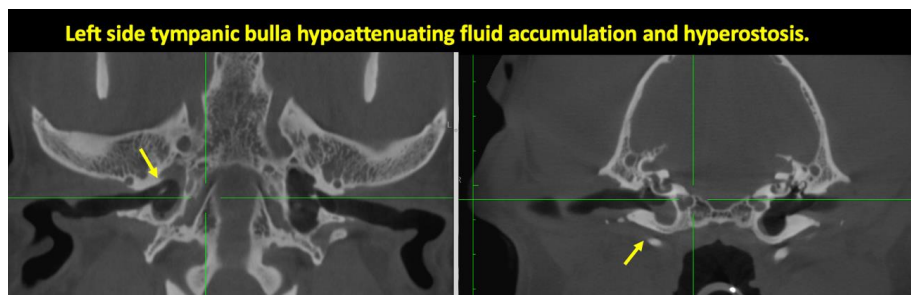
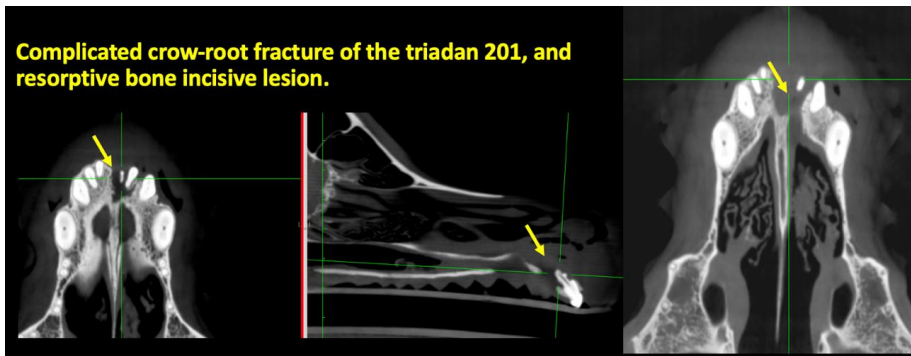
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**PATIENT**

Lola Ciarabellini

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.

**SPECIES**

Canine

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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info@sonopath.com

**BREED**

Pit Bull Mix

**SEX**

FS

**AGE**

6 Years

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