



**PATIENT PRESENTING CLINICAL SIGNS**

Piccolo Elliott Owner reported sneezing fits and some blood noted.  
 Abnormal PE/Chem/CBC/UA Results: Missing a lot of teeth, tartar present on remaining. Suspect collapsing trachea.

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Canine A pre and post-contrast study of the head is provided for review. One pre-contrast series of the head, one post-contrast series of the head.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Yorkie Mix There is diffuse mucosal thickening of the nasal turbinates within the right nasal cavity. Turbinate architecture is asymmetric, and mild to moderate loss of turbinate architecture is seen in the right nasal cavity. There is an accumulation of minor hypoattenuating fluid material. No mass effect is seen.

**SEX**

Neutered Male

Multiple absent teeth are noted, especially in the maxillary arcade. The remaining maxillary teeth include the triadans 201, 104, 204, and 108. The missing triadans in the mandibular arcade include 302, 303, 402, 403, 305, 306, 307, 310, 311, 410, and 411. A few fragments of their retained root are also seen. Severe horizontal and vertical bone loss along the present teeth is seen. Severe, demarcated geographic lysis in the alveolar bone adjacent to the triadans 108, 304, and 404 is noted. In addition, there is a multifocal lytic lesion on the dentine and root reabsorption in the remainder of the present teeth.

**AGE**

14 Years

The choana, nasopharynx, and larynx are normal.

**INTERPRETED BY**

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

The cribriform plate is intact.  
 The frontal sinuses are rudimentary, incidental.  
 The tympanic bullae and external auditory canals are normal.

**HOSPITAL NAME**

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The medial retropharyngeal lymph nodes are asymmetrical, and the right retropharyngeal lymph node is mildly enlarged, showing homogeneous enhancement, and measures 0.40cm thickened. The left is 0.22cm thickened.

**REFERRING VET**

Meaux

The bilateral mandibular lymph nodes are mildly enlarged and show homogenous enhancement.  
 The retrobulbar spaces and globes are intact.  
 No mass effect is seen in the brain.

**INVOICE**

57861

The temporomandibular joints are bilaterally congruent.  
 Mild periarticular ossification is seen at the caudal aspect of the right shoulder joint.

**DATE**

4-18-23

Multifocal intervertebral cervical disc spaces are collapsed with incomplete bridging spondylosis deformans, and multifocal hyperattenuating material in the vertebral canal seen predominantly ventral which causes mild dorsal displacement and variable compression of the spinal cord and/or nerve root impingement.



**PATIENT**

Piccolo Elliott

The wall of the cervical trachea is mildly flattened, reducing the luminal volume in the thoracic entrance; however, the patient is intubated, and this finding could be artifactual.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**SPECIES**

Canine

- Mild to moderate destructive rhinitis and minor nasal fluid accumulation in the right nasal cavity - No nasal mass effect is seen.
- Severe chronic periodontal disease, multiple absent teeth, tooth root abscess in the triadans 108, 304, and 404. Multiple multifocal caries in the remaining teeth. Differential diagnosis includes concurrent low-grade mandibular and maxillary osteomyelitis.

**BREED**

Yorkie Mix

- Mild right retropharyngeal and mandibular lymphadenitis, reactive.
- Chronic multifocal cervical intervertebral disc disease with associated spondylosis deformans, and likely variable spinal or nerve root impingement.
- Mild reduction of the luminal trachea in the cervicothoracic region, differential diagnosis of tracheal collapse is suspected.

**SEX**

Neutered Male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The differential diagnosis for mild to moderate destructive rhinitis includes bacterial, viral, and lymphocytic plasmocytic. Early infectious fungal disease cannot be ruled out. An association of the nasal flush biopsy is suggested.

**AGE**

14 Years

Severe periodontal disease and potential low-grade mandibular osteomyelitis are seen. A correlation between severe periodontal disease and infectious rhinitis could occur. An odontology treatment is suggested in association with rhinitis treatment.

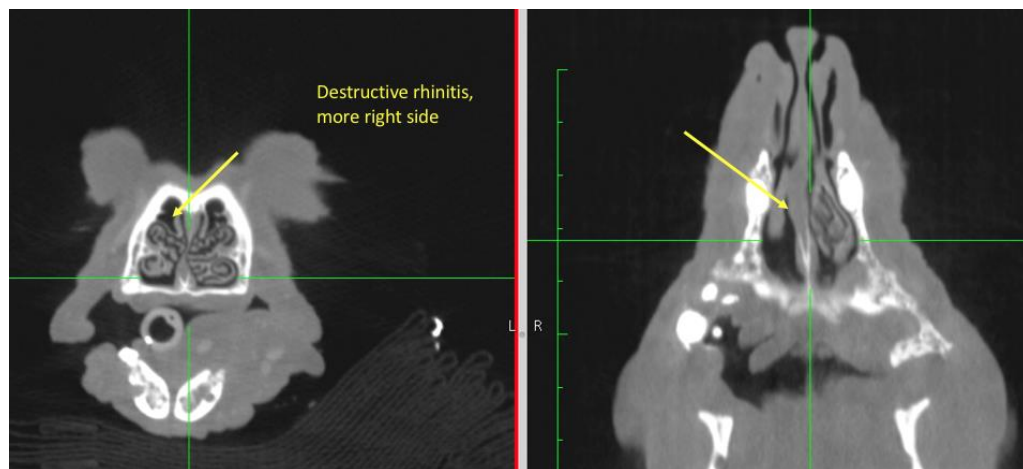
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Correlate the cervical spinal findings with a neurologic exam. If pain or mild neurologic deficits are present, a pain medication is recommended.

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**PATIENT**

Piccolo Elliott

**SPECIES**

Canine

**BREED**

Yorkie Mix

**SEX**

Neutered Male

**AGE**

14 Years

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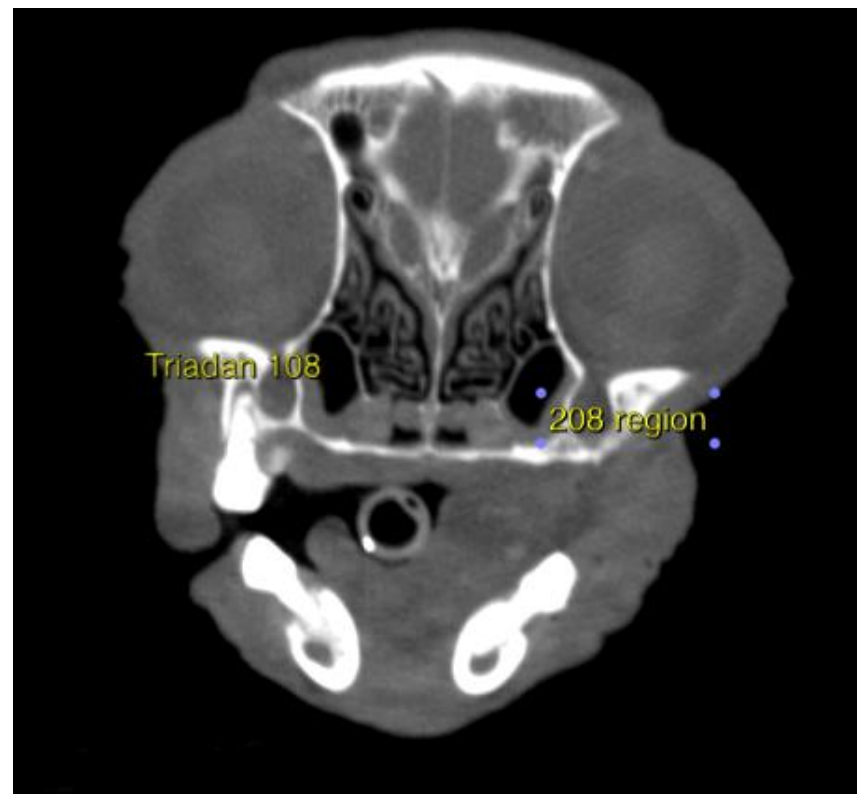
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**PATIENT**

Piccolo Elliott

**SPECIES**

Canine

**BREED**

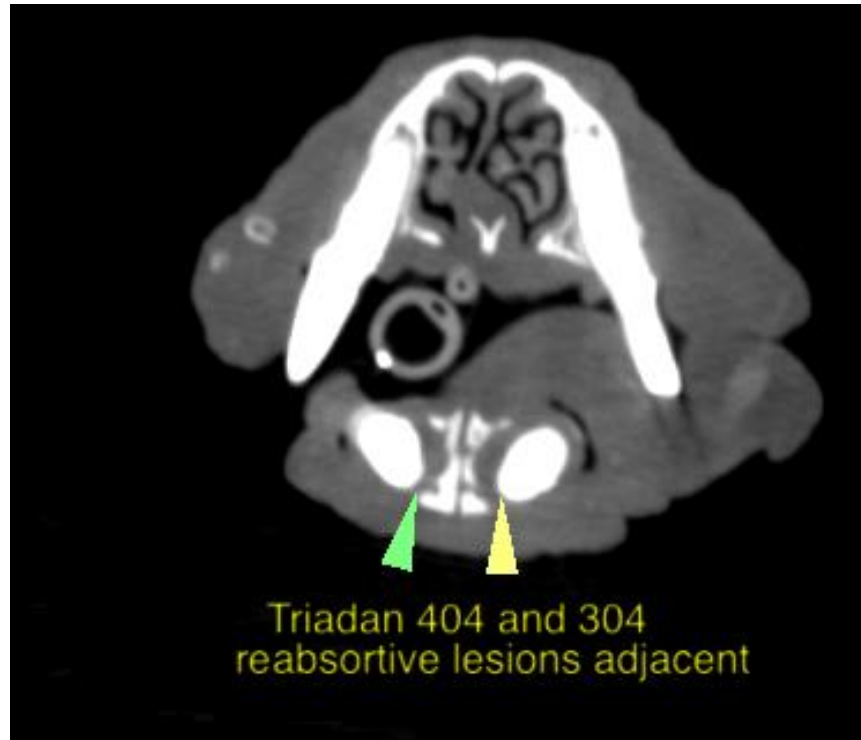
Yorkie Mix

**SEX**

Neutered Male

**AGE**

14 Years



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DMV, MSc., Dr. Med  
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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.

**HOSPITAL NAME**

Mobile Pet Imaging

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.

**REFERRING VET**

Meaux

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