



**PATIENT PRESENTING CLINICAL SIGNS**

Charlie Mendez Right-sided epistaxis - moderate sanguineous/mucoid right-sided nasal discharge on exam  
Abnormal PE/Chem/CBC/UA Results: Unremarkable

**SPECIES COMPUTED TOMOGRAPHY OF THE SKULL**

Canine A high resolution pre- and post-contrast CT study of the skull is provided for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED** Terrier Mix  
The tooth elements 101, 104, 105, 106, 203, 205, 207, 305, 306, 308, 401 are absent. The alveolar bone level with absent triadan 104 presents moth eaten osteolytic lesions, a small fragment of the root of triadan 104 is appreciated. Triadan 204 presents a moderate widening of the periodontal space, with perforation of the nasal cavity and focal intranasal soft tissue swelling. The periodontal space of the mesial root of triadan 108, 310&410 is moderately widened. The remainder of the dentition present evidence of mild to moderate periodontal disease with horizontal bone loss.

**SEX** MN  
The right nasal cavity is obliterated by soft tissue attenuating and mild heterogeneous contrast enhancing soft tissue material. Advanced destruction of the right nasal turbinate and conchal structures is seen. The perpendicular plate of the right palatine bone presents moth eaten osteolytic lesions. The right ventral aspect of the cribriform plate presents with osteolysis, and the nasal soft tissue material is mildly bugling into the rostral cranial fossa.

**AGE** 13  
Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

A mild amount of soft tissue material is seen in the left tympanic bulla.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- HOSPITAL NAME** Mobile Pet Imaging
- Biologically aggressive soft tissue mass right nasal cavity with polyostotic aggressive osteolytic lesions and perforation of the cranial fossa
  - Oronasal fistula 204
  - Generalized periodontal disease, most pronounced 108, 310 and 410
  - Suspect preceding oronasal fistula level 104, small retained fragment root of triadan 104
  - Multiple absent teeth

**REFERRING VET**

Seraydar

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The findings are consistent with primary nasal neoplasia, originating from the right nasal cavity and secondary osteolytic lesions of the surrounding osseous structures with perforation of the cranial fossa. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. Rhinoscopy including biopsy can be used as advanced diagnostic tests. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist. The Adam tumor stage is T4.

**DATE**

8-15-22 Consider full tumor staging.



**PATIENT**

Charlie Mendez

**SPECIES**

Canine

**BREED**

Terrier Mix

**SEX**

MN

**AGE**

13

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**HOSPITAL NAME**

Mobile Pet Imaging

**REFERRING VET**

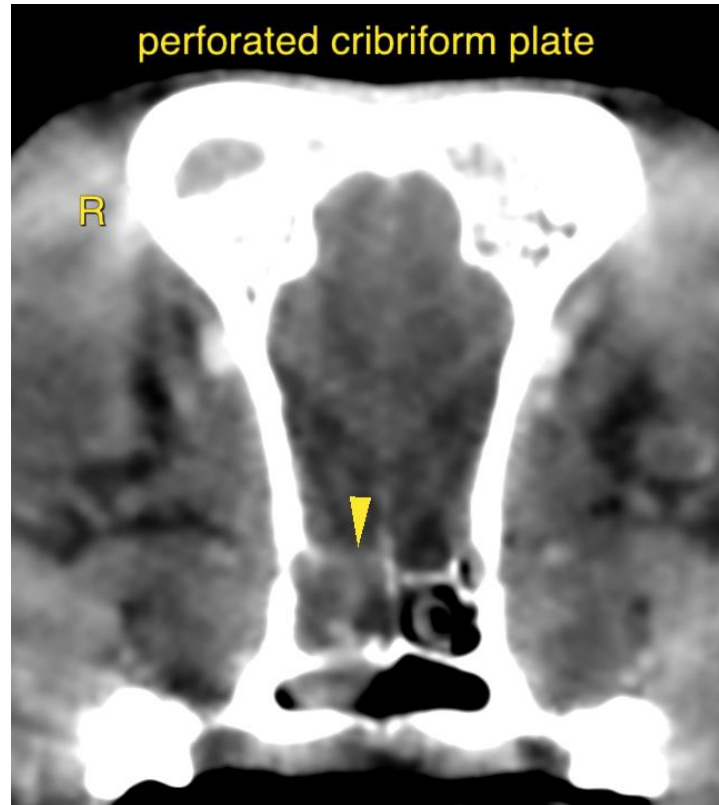
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**DATE**

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**PATIENT**

Charlie Mendez

**SPECIES**

Canine

**BREED**

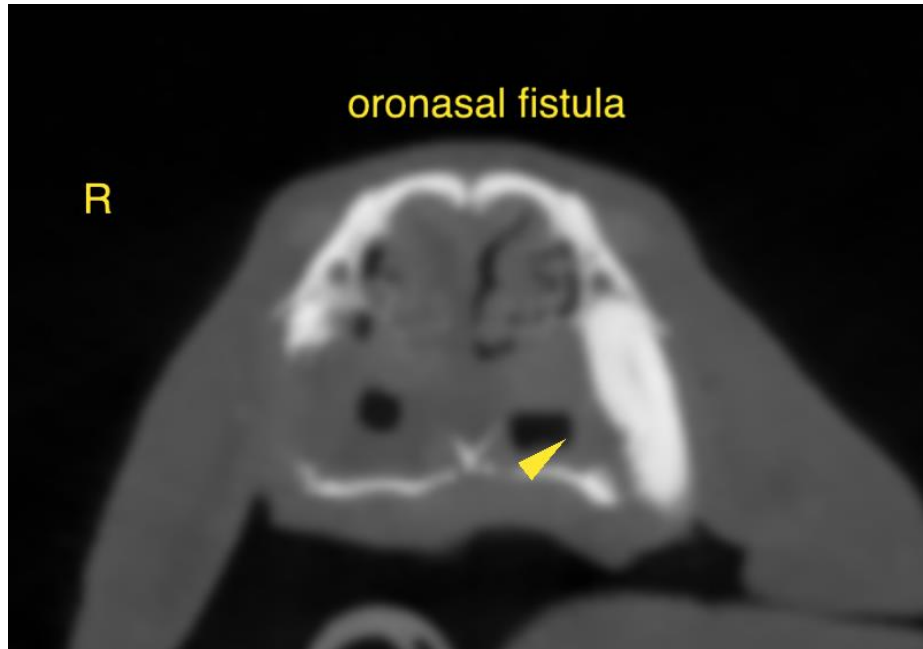
Terrier Mix

**SEX**

MN

**AGE**

13



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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.

**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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com

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