



**PATIENT PRESENTING CLINICAL SIGNS**

Amore Barens Patient came in as an emergency because of bleeding from mouth there is severe periodontal disease and there is what appears to be a mass on the lower left mandible.  
Abnormal PE/Chem/CBC/UA Results: CBC --- mild anemia CHEM --- 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** All teeth, but triadans 103, 104, 108-110, 203, 204, 304, 309, 310, 404, 408-410 are absent. Mineralized material is attached to the crowns of the remaining teeth and all remaining teeth present a marked widened periodontal space. The roots of triadan 103, 104, 108 and 204 are perforating the nasal cavity.

Toy Poodle

**SEX** Advanced destruction of the nasal conchal & turbinate structures is appreciated.

SF Centered on the left body of the mandible, a uniform soft tissue attenuating and heterogeneous contrast enhancing mass is appreciated, measuring approximately 2.0 x 2.5 x 3.7 cm – the mass is extending from the level of triadan 304 caudally up to the level of triadan 309. The right body of the mandible, level with the mass presents immature periosteal new bone formation and moth eaten osteolytic lesions. An oblique fracture line is appreciated in the mid segment of the body of the left mandible.

**AGE** 14 Years

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

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

**HOSPITAL NAME** The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

Veterinary Image Center The mandibular lymph nodes bilaterally are prominent.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- REFERRING VET**
- Soft tissue mass centered on body of the left mandible with aggressive osteolytic lesions
  - Pathological oblique fracture left body of the mandible
  - Lymphadenopathy mandibular lymph nodes
  - Generalized advanced periodontal disease of all remaining teeth
  - Oro-nasal fistula formation 103, 104, 108 and 204 and secondary odontogenic destructive rhinitis
- Dr. F. Ortiz, DVM
- INVOICE**
- Dental tartar
- 59819

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE** 8-21-23 The soft tissue mass centered on the left body of the mandible is compatible with primary soft tissue neoplasia – such as fibrosarcoma, squamous cell carcinoma, melanoma, other. Secondary pathological mandibular fracture. FNA sampling ± biopsy can be performed for further differentiation. Complete surgical resection of the mass via left sided hemimandibulectomy might be considered – surgical



**PATIENT** management might be complicated as the mass is crossing the midline in the rostral aspect – potentially warranting right sided rostral mandibulectomy as well.

Amore Barens

Recommend complementing workup by FNA sampling of the mandibular lymph nodes to rule in/out metastatic disease.

**SPECIES** Consider full tumor staging.

Canine

**BREED**

Toy Poodle

**SEX**

SF

**AGE**

14 Years

**INTERPRETED BY**

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**HOSPITAL NAME**

Veterinary Image  
Center

**REFERRING VET**

Dr. F. Ortiz, DVM

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**PATIENT**

Amore Barens

**SPECIES**

Canine

**BREED**

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**REFERRING VET**

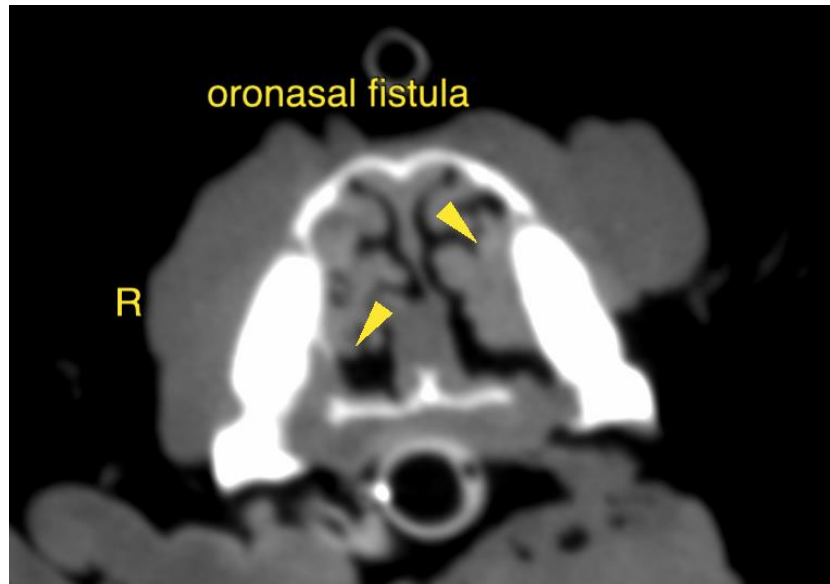
Dr. F. Ortiz, DVM

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**DATE**

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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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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