



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Hercules Freston  
**HISTORY:** 09/27/21: Consult for Abscess on right side of the jaw, came in through the ER back in July. keeps coming back and doesn't seem to be improving. 07/24/21: BAR, mm pink/moist, grade II/VI cardiac murmur, large flocculent swelling in region of right submandibular space, swelling is firm dorsally but feels fluid filled ventrally

**SPECIES**

**SPECIES** Canine  
**LABORATORY RESULTS:** Abnormal PE/Chem/CBC/UA Results: Test Results Unit Lowest Value Highest Value Qualifier Notes  
 CREA 0.7 mg/dL 0.5 1.8 = BUN 18 mg/dL 7 27 = BUN/CREA 24 = ALT 218 U/L 10 125 = AST 50 U/L 0 50 = ALKP 1790 U/L 23 212 =

**BREED**

**BREED** Maltese

**COMPUTED TOMOGRAPHIC STUDY OF THE SKULL**

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

**SEX**

**SEX** Neutered Male

**COMPUTED TOMOGRAPHIC FINDINGS**

Image positioning appears to be wrong and right and left are likely flipped.

**AGE**

**AGE** 15 Years

The tooth elements 105-107, 201, 301, 302, 310, 311, 401, 402, 405, 406, 409 and 410 are absent. The tooth elements 109, 202 and 411 present a moderate to marked widening of the periodontal space.

The nasal cavity presents the expected aerated spaces between thin and even conchae and turbinate's with smooth mucosal lining.

**INTERPRETED BY**

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

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

Both tympanic bullae contain a moderate amount of soft tissue attenuating and non-contrast enhancing material.. The external ear canals are within normal limits.

**HOSPITAL NAME**

**HOSPITAL NAME** Mountain West VH

At the rostroventral aspect of the right parotid gland a tubular central fluid attenuating structured, demarcated by a contrast enhancing wall is visible, measuring up to 5.7 mm in diameter; level with the right buccal papilla of the parotid duct, a well-defined mineral attenuating calculus, measuring 4.2 mm in length and 2.1 mm in width, is visible. Segmental saccular widening of the right parotid duct level with the angular process of the right mandible is seen – suspect preceding surgery site. The surrounding subcutaneous fat shows moderate focal fat-stranding. The right parotid gland presents a moderately decreased volume in comparison to the contralateral parotid gland.

**REFERRING VET**

**REFERRING VET** Dr. Andrew Burton

The mandibular salivary glands are within normal limits.

**INVOICE**

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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.

**DATE**

**DATE** 9/27/21



**PATIENT** 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.

Hercules Freston

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- SPECIES**
- Obstructive sialolithiasis right parotid duct level with the buccal papilla
  - Dilation of the right parotid duct with surrounding steatitis
- Canine
- Atrophy of the right parotid gland
  - Significant periodontal disease 109, 202 and 411
  - Multiple absent teeth
- BREED**
- Bilateral otitis media

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX** The findings are consistent with sialoliths obstructing the right parotid duct with secondary dilation and atrophy of the right parotid salivary gland. Secondary surrounding steatitis. The finding explains the clinical signs and either removal of the sialoliths or better ligation and excision of the complete right parotid duct level with the already atrophied right parotid salivary gland are considered as feasible treatment options. Excision of the right parotid salivary gland and duct can be considered as well, but will be more challenging.

Neutered Male

**AGE**

15 Years

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

**HOSPITAL NAME**

Mountain West VH

**REFERRING VET**

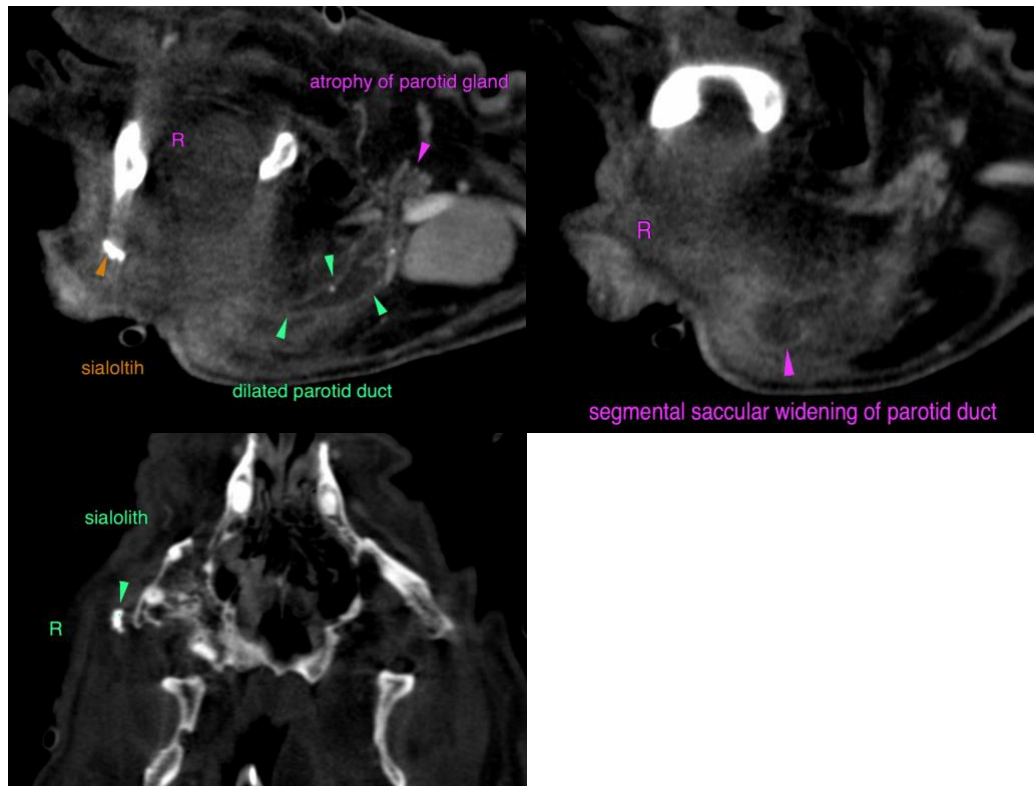
Dr. Andrew Burton

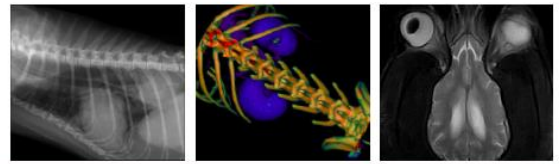
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**DATE** The information and recommendations provided are based on the images presented by the

9/27/21





**PATIENT** referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Hercules Freston

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.

**SPECIES**

Canine

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

Maltese

**SEX**

Neutered Male

**AGE**

15 Years

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