



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Bentley Brabant  
**SPECIES** Feline  
**PRESENTING CLINICAL SIGNS** History: Bentley presents for lump on the head. A few weeks ago Haley was petting him and felt a mass above his left eye. Since noticing it it has grown in size and he is now squinting. He is eating and drinking normally. He has a history of HCM and renal insufficiency, is on a renal diet, and is indoor only but does spend time outdoors in his catio. There is access to soil on the catio. The other cat is not showing the same signs. No noted ocular or nasal discharge or congestion sounds or snoring noted at home.

**BREED COMPUTED TOMOGRAPHIC STUDY OF THE SKULL**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX** Neutered Male  
 Triadan 101 and 106 is absent. The crown of triadan 407 presents with moderate irregular resorptive lesions of the buccal surface.

**AGE** 12 Years  
 Centered on the left frontal sinus, a soft tissue tissue attenuating and peripherally accentuated soft tissue mass is seen, obliterating the entire lumen of the left frontal sinus. The left frontal bone and involving the left frontal & maxillary bone, present permeative osteolytic lesions and the mass is bulging into the subcutaneous tissue at the same level. Osteolysis of the osseous lamella between the left frontal sinus and the cranial fossa as well as of the cribriform plate is noted and post contrast administration, marked thickening of the meningeal lining along the left frontal lobe, falx cerebri and olfactory bulbs is noted. The mass is perforating the medial wall of the left orbit and can be appreciated as plaque like lesion in the medial aspect of the left orbit, displacing the left ocular bulb laterally.

**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.

**HOSPITAL NAME**

Southern Oregon VSC

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.

**REFERRING VET**

Dr. Kim Winters

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**

**INVOICE**

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- Biologically aggressive soft tissue neoplasia, likely originating from the left frontal sinus with polyostotic aggressive osteolytic lesions and perforation of the cranial fossa
- Dental resorptive lesions 407
- Absent triadan 101 and 106

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

6/9/22



**PATIENT**

Bentley Brabant

The findings are consistent with soft tissue neoplasm, likely originating from the left frontal sinus. The mass is perforating the cranial fossa. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. Theoretically fungal granuloma is a differential, but the odds are very low. The marked thickening of the meningeal lining is caused either by diffuse neoplastic infiltration of the meninges or meningitis. Recommend FNA sampling ± biopsy of the subcutaneous swelling level with the left frontal sinus for further definition.

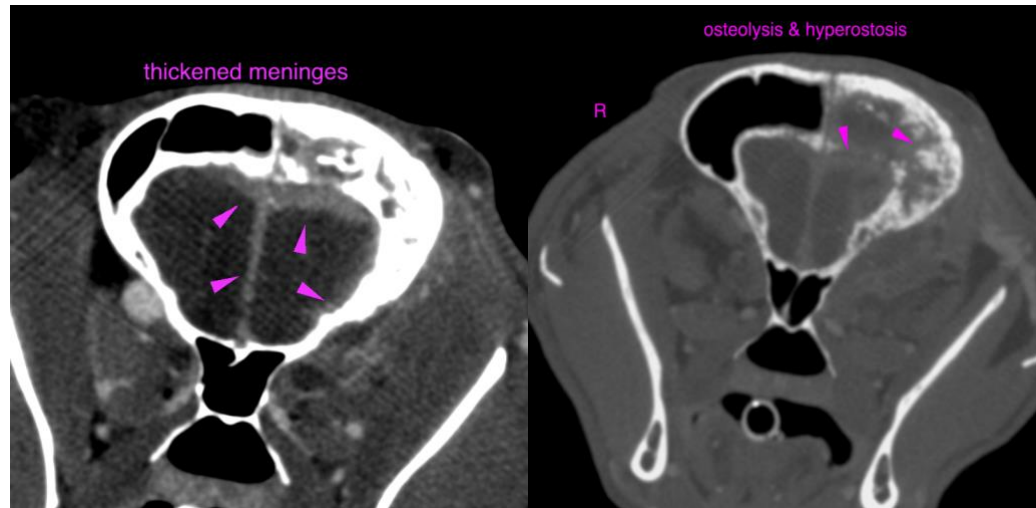
**SPECIES**

Feline

Consider full tumor staging.

**BREED**

DSH



**SEX**

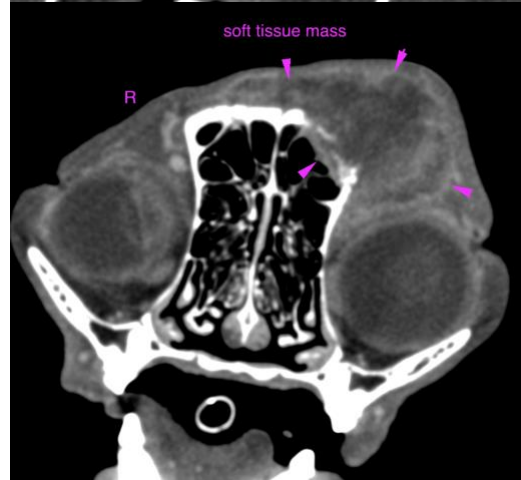
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DipECVCI



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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.**

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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.

**DATE**

6/9/22



**PATIENT**

Bentley Brabant

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

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

12 Years

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