



**PATIENT**

Thong Fai Gailis

**PRESENTING CLINICAL SIGNS**

Bony prominence between eyes that has shown progressive worsening when antibiotics and metacam are discontinued. Ocular and nasal congestion develop when off medications. appetite decreases as well

**SPECIES**

Feline

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Pre/post contrast studies provided for review.

**BREED**

Siamese

**COMPUTED TOMOGRAPHIC FINDINGS**

There are severe changes of the nasal bony borders and cavities noted originating likely from the right nasal/maxillary bone and presenting a mixed pattern of osteolysis (nasal septum, nasal, maxillary and palatine bone as well as cribriform plate) and marked bone proliferation with irregular and unstructured periosteal reactions. Integrity of the right nasal cavity is destroyed; the cavity is nearly completely obliterated with residual ventilation of the ventral sections. Similar less obvious lesions are detected on the left side. The neurocranium shows normal findings. Both frontal sinuses are affected. Lysis of the cribriform plate reveals involvement of the cranial vault. The right eye bulb gets compressed and laterally deviated.

**SEX**

MN

**AGE**

14 Years

Both tympanic bullae are completely ventilated with a regular tympanic bulla wall. External ear canals are ventilated in all sections, walls of the external ear canals, the adjacent temporomandibular joints and the nasopharyngeal meatus have no particular findings.

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet  
Specialist in  
Diagnostic Imaging

Post contrast images show a heterogenous nasal enhancement. Soft tissues of the head and neck are symmetrical and of homogeneous density. Mild bilateral enlargement of the mandibular and medial retropharyngeal lymph nodes is recognized.

**HOSPITAL NAME**

Bridgewater  
Veterinary Hospital  
and Wellness Centre

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Highly aggressive nasal lesion with destruction of the nasal bony borders including the cribriform plate
- Mild mandibular and medial retropharyngeal lymph adenomegaly

**REFERRING VET**

Dr. T. Guinn

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

CT findings of the nasal cavities likely represent an aggressive and malignant neoplastic lesion. Severe infectious osteomyelitis is a differential diagnosis in cats but very unlikely in this case. Common differentials include but are not limited to osteosarcoma, nasal carcinoma, lymphoma and squamous cell carcinoma. The destructive pattern especially of the cribriform plate is considered to have a bad prognosis. Biopsy is needed for further evaluation. The mild enlargement of the neck lymph nodes still is consistent with reactive-inflammatory lymphadenitis.

**INVOICE**

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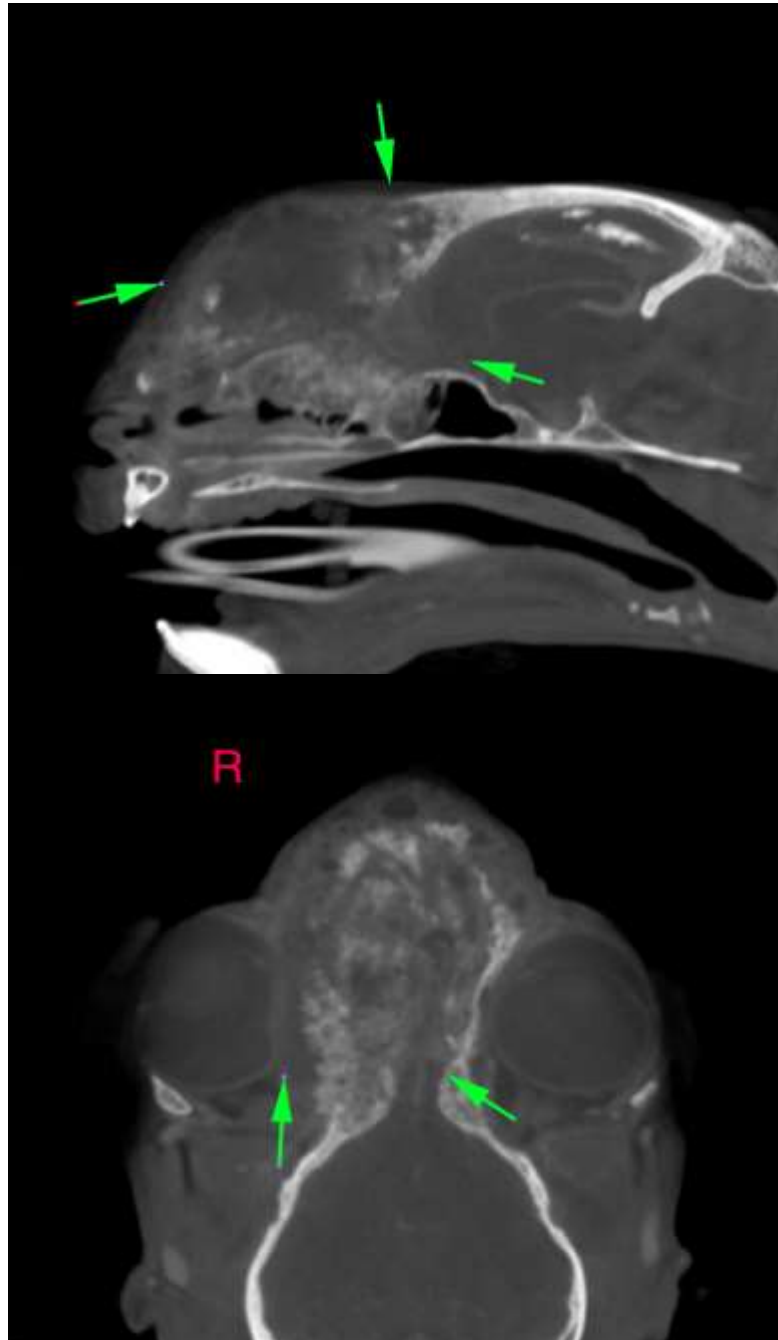
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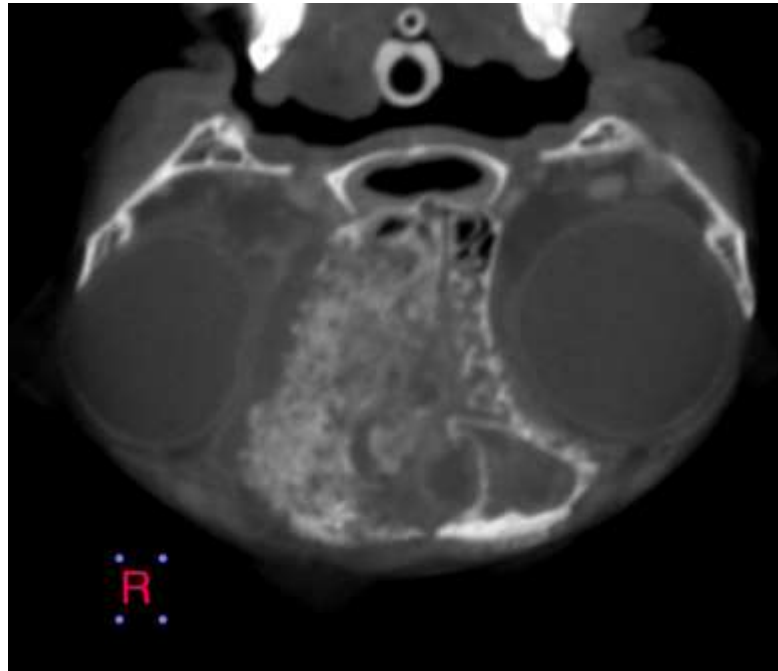
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**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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 Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging**  
Sebastian.Jawinski@sonopath.com