



**PATIENT**

Yoshi Zoras

**PRESENTING CLINICAL SIGNS**

L unilateral epistaxis, difficulty breathing when sleeping

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX**

Plain and post contrast studies in soft tissue and bone windows of the head and soft tissue and lung windows of the thorax available for review.

**BREED**

Boston Terrier

**Head**

An irregular shaped and ill-defined soft tissue attenuating mass is seen within the mid and caudal third of the left nasal cavity. Regional turbinate destruction is noted. The mass presents moderate heterogeneous contrast enhancement. The mass extends beyond the limits of the nasal septum into the right nasal cavity and left and right nasal fundus. Aggressive osteolytic changes of the hard palate are seen and allow for early extension of the mass into the medial aspect of the left orbita. Thinning of the left cribriform plate is noted. At this time, no evidence of intracranial extension of the soft tissue mass itself is noted.

**SEX**

MN

**AGE**

7 Years

The left retropharyngeal lymph node presents mild symmetric enlargement.

A small cystic structure is seen in the dorsal aspect of the right mandibular salivary gland. Peripheral fat stranding and cavitated fluid is noted lateral and ventral to the right mandibular salivary gland.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Thorax**

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

**HOSPITAL NAME**

Animal Health  
Partners

The cardiovascular structures including the pulmonary vasculature are within normal limits.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

**REFERRING VET**

Dr. Shannon  
Westgarth

The lung parenchyma presents the expected architecture and attenuation behavior.

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

**INVOICE**

53398

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass with aggressive biological behavior in the mid and caudal third of the left nasal cavity with polyostotic aggressive bone lysis, early orbital extension, and thinning of the cribriform plate.
- Mild left medial retropharyngeal lymphadenomegaly.
- No evidence of pulmonary metastatic disease.

**DATE**

8-9-22



**PATIENT**

- Emerging right mandibular salivary gland sialoceles.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The CT findings are compatible with a malignant soft tissue neoplasia within the left nasal cavity. Thinning of the left cribriform plate is seen compatible with emerging intracranial extension. Early extension into the left orbita is seen. Part of the mass occupies the nasal fundus. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, lymphosarcoma, and less likely soft tissue sarcoma. Final diagnosis will require sampling for histology. The findings are not compatible with rhinitis or foreign body related disease.

**BREED**

Boston Terrier

The lymph node changes are suggestive for reactive hyperplasia. Early metastatic disease is considered unlikely but cannot be ruled out entirely. Consider fine needle aspiration.

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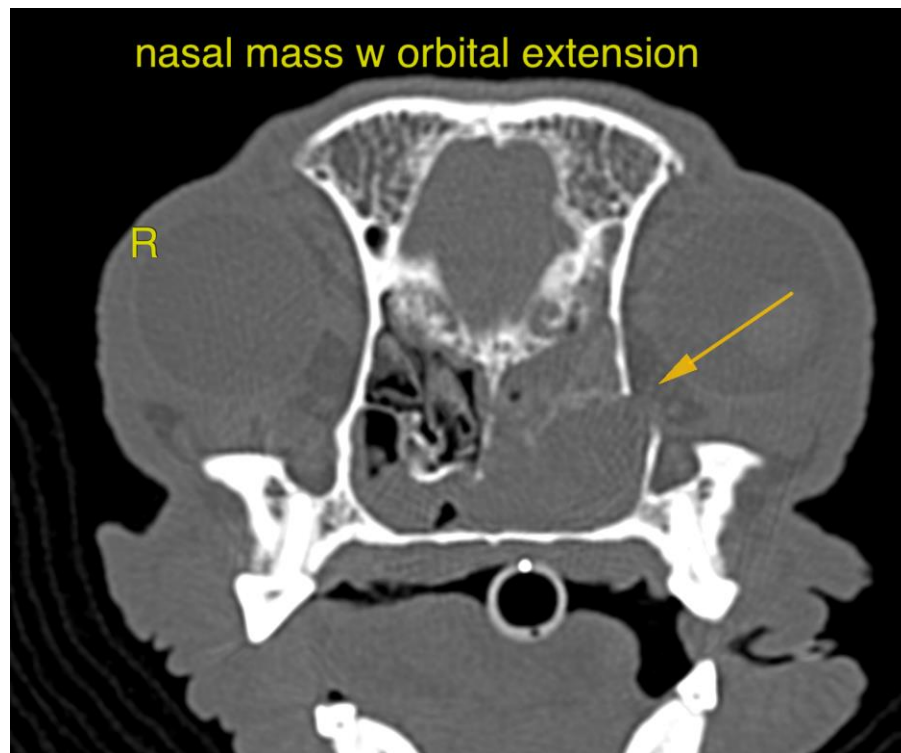
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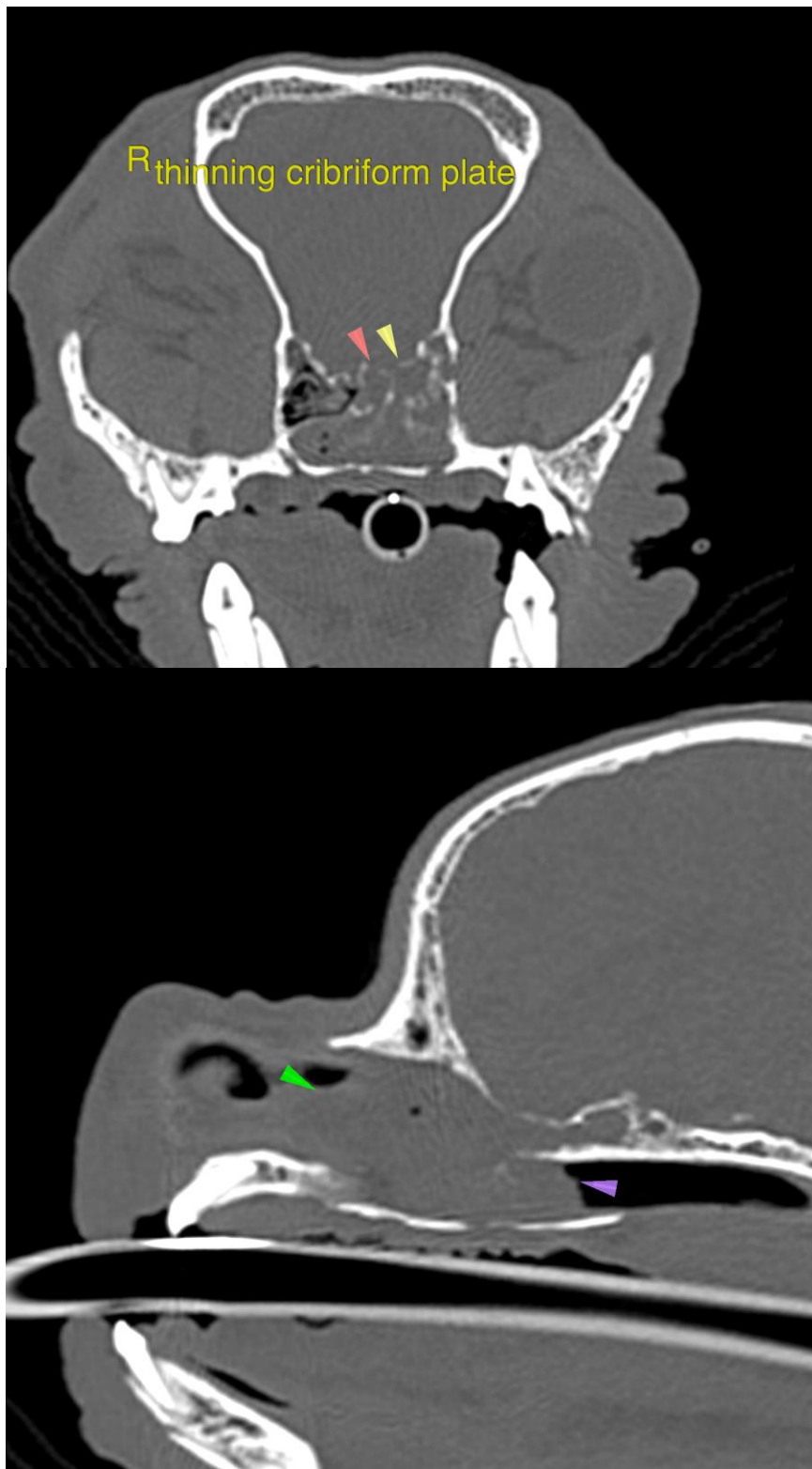
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

Canine

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.

**BREED**

Boston Terrier

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