



PATIENT PRESENTING CLINICAL SIGNS

Sunny Press Hx epistaxis, neutropeia, nasal discharge, swelling over bridge of nose; spanning from medial cathus of eyes on both sides; slightly worse on the right

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

Feline A pre- and post-contrast CT study of the skull and the thorax in a bone, lung and soft tissue reconstruction are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED
Skull

DSH Triadan 106, 307 and 407 are absent. Advanced bone loss of the alveolar bone level with absent triadan 106 and 407 is noted.

SEX
MN The right nasal cavity is obliterated by soft tissue attenuating and heterogeneous contrast enhancing, expansile soft tissue material. Advanced destruction of the associated conchal & turbinate structures is appreciated. The right maxillary bone and right nasal bone as well as the perpendicular plate of the right palatine bone present advanced aggressive osteolysis and the nasal soft tissue mass is protruding into the subcutaneous tissue and the medial aspect of the right orbit. The right ocular bulb is deviated laterally and mildly rostrally and is mildly distorted. The cribriform plate is perforated, and the nasal mass is bulging into the rostral cranial fossa, distorting the brain parenchyma at the same level and causing a midline shift to the left.

AGE
11 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 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.

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Thorax

The bony and surrounding soft tissue structures are within normal limits.

REFERRING VET 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 is uniform and considered within normal limits.

Dr. Shannon
Westgarth

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

INVOICE 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.

55250

The lung parenchyma presents the expected architecture and attenuation behavior.

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

11-16-22



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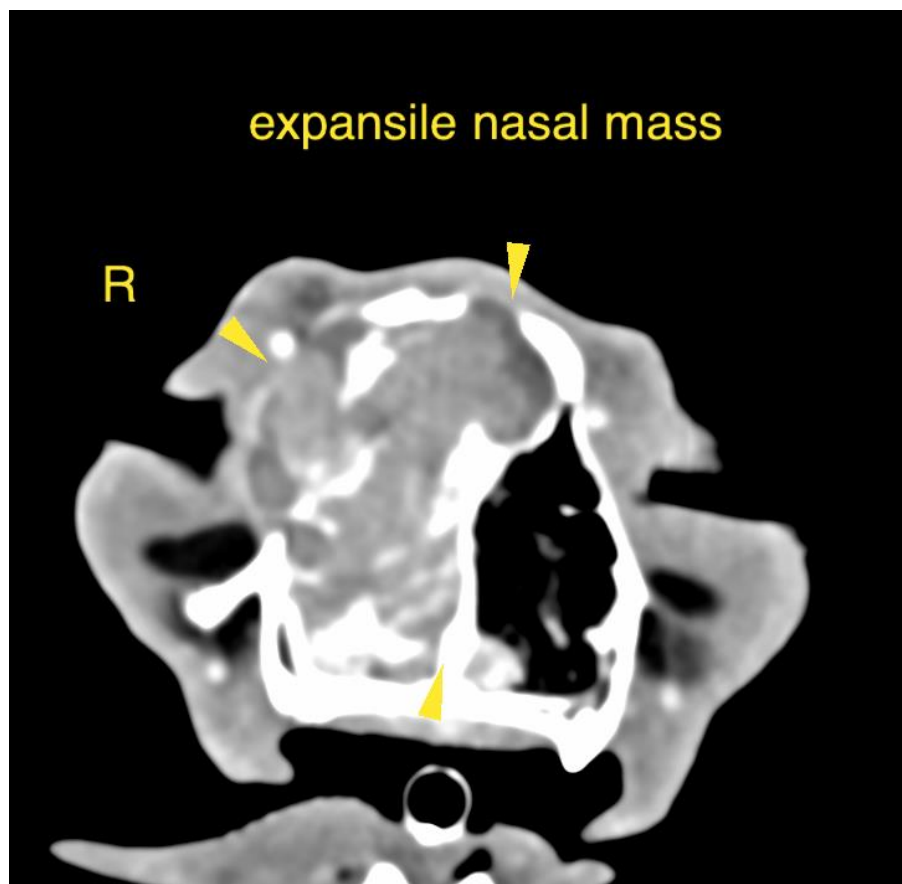
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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Biologically aggressive, expansile right nasal soft tissue neoplasm with polyostotic aggressive osteolytic lesions and perforation of the cranial fossa
- Absent triadan 106, 307 and 407
- Structural normal thorax, no evidence of pulmonary metastatic disease

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study presents a primary nasal soft tissue neoplasm with local invasive growth and perforation of the cranial fossa. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. FNA sampling of the subcutaneous swelling or rhinoscopy including biopsy can be used as advanced diagnostic tests.





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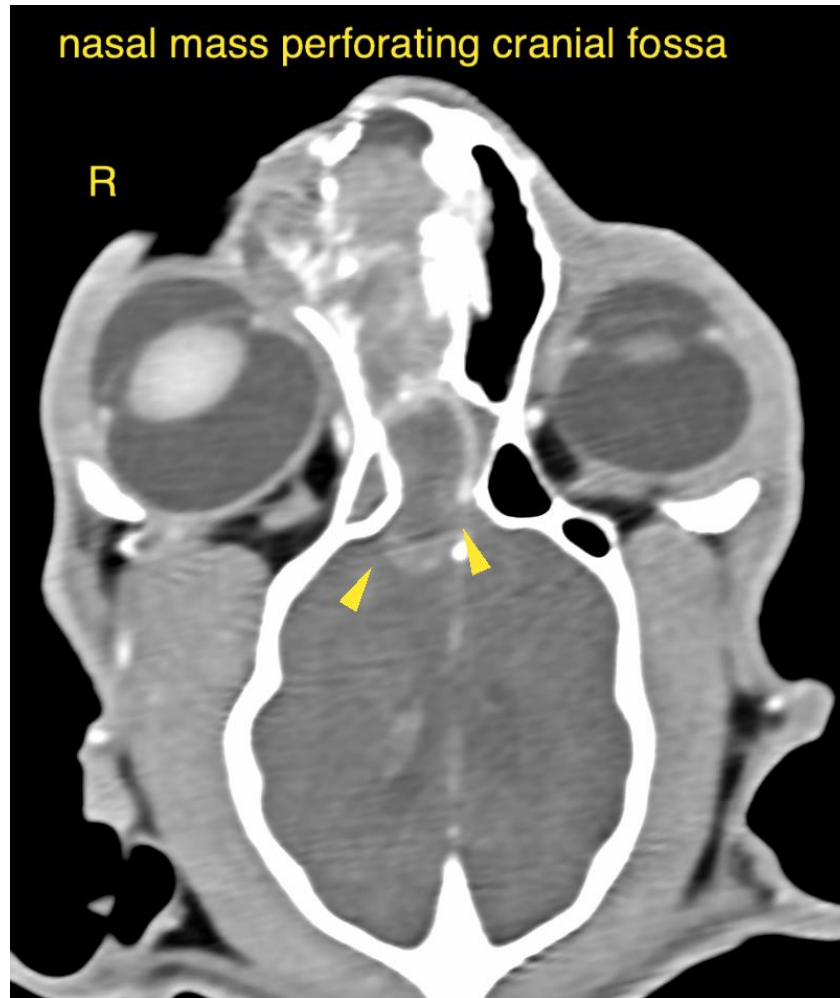
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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