


PATIENT PRESENTING CLINICAL SIGNS

Jaba Becerra Epistaxis right nostril

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

SPECIES A high resolution pre- and post-contrast CT study of the skull and a post-contrast CT study of the thorax are provided for review.

Canine

COMPUTED TOMOGRAPHIC FINDINGS
BREED Skull

Mixed Triadan 106, 206, 306, 311, 406, 407 and 411 are absent. The remaining teeth present evidence of generalized moderate periodontal disease.

SEX

MN

AGE

14

In the right nasal cavity, a uniform soft tissue attenuating and heterogeneous contrast enhancing mass is appreciated. Advanced destruction of the right nasal conchal & turbinate structures is appreciated. The perpendicular lamina of the right palatine bone and the horizontal lamina of the palatine bone bilaterally present advanced aggressive osteolytic lesions and the nasal soft tissue mass is bulging into the right orbit and the submucosa of the hard palate. The right ocular bulb is mildly deviated rostrally and laterally by the mass effect. Advanced lysis of the cribriform plate is appreciated, and right nasal mass is mildly bulging into the rostral cranial fossa. The presphenoid bone presents with osteolytic lesions.

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

INTERPRETED BY

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.

The mandibular lymph nodes are prominent.

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Thorax

In the caudal aspect of the right axillary region, a well-defined lipoma is noted.

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.

REFERRING VET

Xavier Meaux

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.

INVOICE

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In the right caudal lung lobe, a roundish gas attenuating lesion, demarcated by a thin contrast enhancing capsule is appreciated, measuring 9 mm in diameter. 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.

DATE

11-29-22



PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS

- Jaba Becerra
- Biologically aggressive right nasal soft tissue neoplasia with polyostotic aggressive osteolytic lesions and perforation of the cranial fossa
 - Secondary right sided mild exophthalmos
- SPECIES**
- Generalized moderate periodontal disease
 - Lymphadenopathy mandibular lymph nodes
- Canine
- Bulla right caudal lung lobe
 - No evidence of pulmonary metastatic disease

BREED INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Mixed

The soft tissue mass originating from the right nasal cavity is consistent with primary nasal neoplasia. 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. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist. The Adam tumor stage is T4.

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Consider complementing workup by FNA sampling of the mandibular lymph nodes to rule out metastatic disease.

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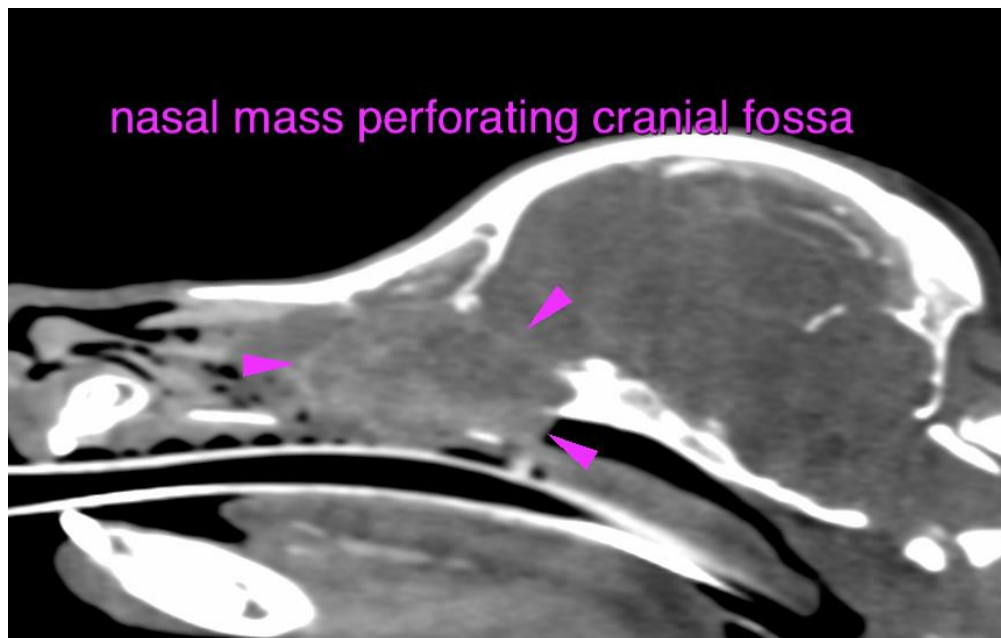
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PATIENT

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SPECIES

Canine

BREED

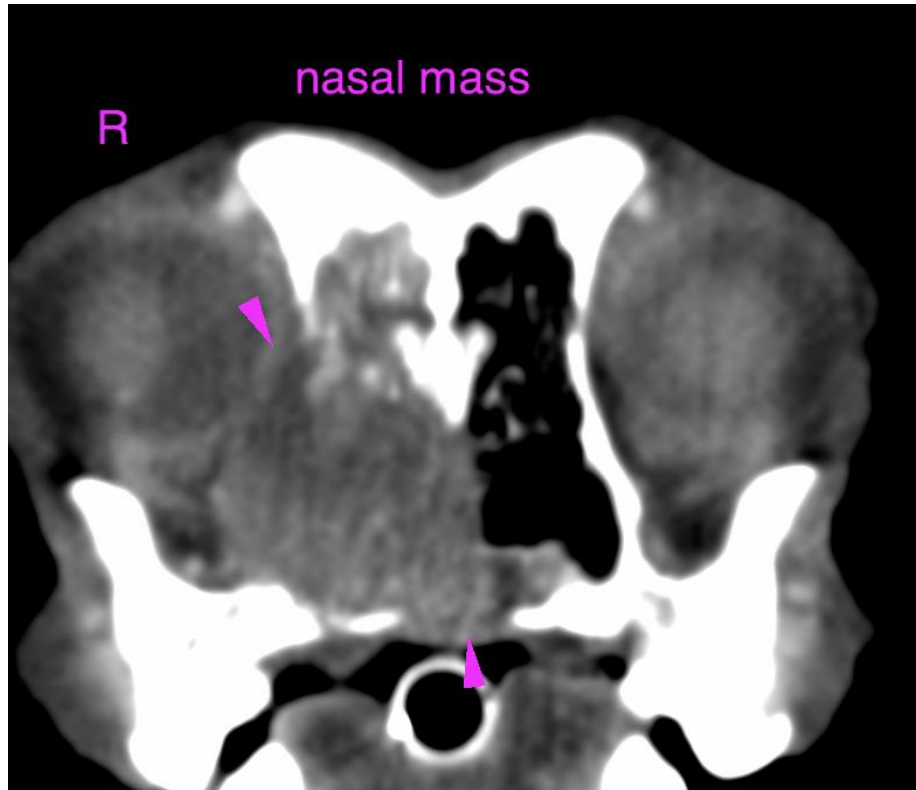
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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