



PATIENT

Hadley Zebrowski

PRESENTING CLINICAL SIGNS

Suspect right nasal carcinoma Staging for veterinary oncology

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

A high resolution pre- and post-contrast CT study of the skull , neck and thorax is provided for review.

BREED

Cocker Spaniel Mix

COMPUTED TOMOGRAPHIC FINDINGS

Skull

The pictured parts of the dentition are complete.

SEX

Spayed Female

The caudal aspect of the right nasal cavity is occupied by uniform soft tissue attenuating and heterogeneous contrast enhancing material. Advanced destruction of the nasal conchal & turbinate structures is seen. The palatine bone presents multifocal osteolytic lesions and the contrast enhancing soft tissue mass is protruding into the submucosal tissue of the hard palate level with triadan 108. The cribriform plate is intact but presents early stage of osteolytic lesions.

AGE

10 Years

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.

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The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

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.

REFERRING VET

Dr. Engelshcall

The osseous and soft tissue structures of the neck are within normal limits.

Thorax

Mild spondylosis formation is noted multifocal along the thoracic spine.

INVOICE

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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.

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

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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.



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The lung parenchyma presents the expected architecture and attenuation behavior.

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

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Biologically aggressive soft tissue mass in caudal aspect of right nasal cavity
- Advanced conchal destruction rostral segment of right nasal cavity
- Spondylosis deformans thoracic spine
- No evidence of pulmonary metastatic disease

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The right nasal mass is supporting the diagnosis of nasal carcinoma with local destruction of the palatine bone and submucosal extend of the mass. As there is advanced destruction of the nasal conchal structures of the right nasal cavity, not associated with the nasal mass, atypical mycotic granuloma is a theoretic differential. If not done so yet, recommend rhinoscopy with biopsy to confirm the diagnosis. The Adam tumor stage is T3, be aware that there is emerging lysis of the cribriform plate.

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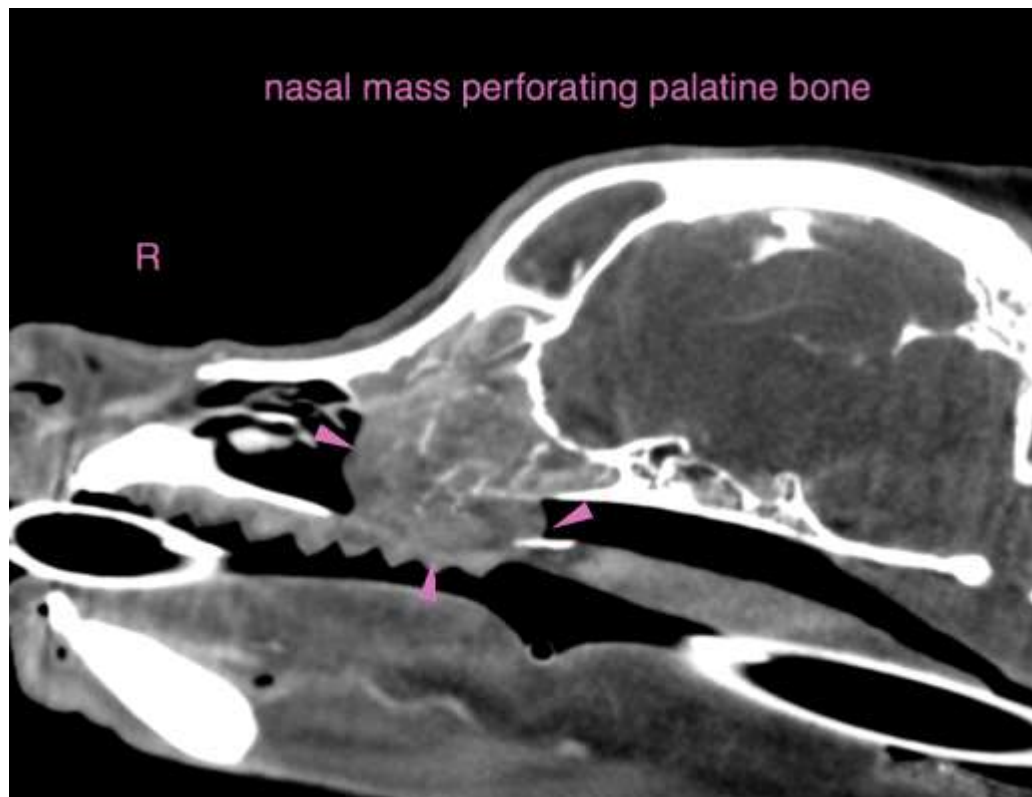
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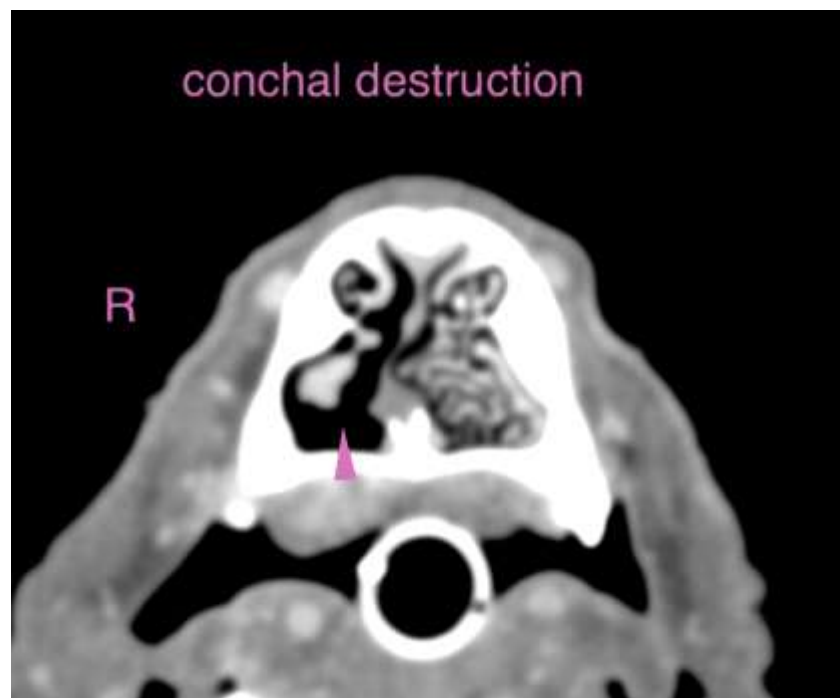
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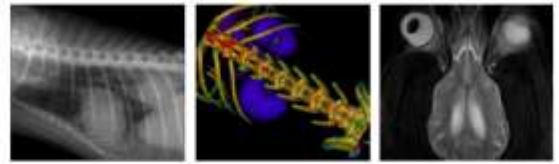
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

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