



PATIENT PRESENTING CLINICAL SIGNS

Moose Winkler History: Presented for bilateral epistaxis. Left side worse.

Abnormal PE/Chem/CBC/UA Results: Normal

SPECIES

Feline

COMPUTED TOMOGRAPHIC STUDY OF THE SKULL & THORAX

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.

BREED

DSH

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

AGE

7 Years

The right nasal cavity is occupied by a soft tissue attenuating and heterogeneous contrast enhancing soft tissue mass. Advanced destruction of the nasal conchal and turbinate structures of the right nasal cavity is seen. The nasal mass is perforating the nasal septum and is bulging into the left nasal cavity. Multifocal moth eaten aggressive osteolytic of the right maxillary, palatine, nasal, frontal and ethmoid bone is seen. The mass is perforating the perpendicular plate of the right palatine bone and bulging into the medial aspect of the right orbit. Level with triadan 107, the mass is mildly bulging into the subcutaneous tissue at the same level. The cribriform plate is perforated and the mass is bulging mildly into the rostral fossa cranii. There is evidence of osteolytic lesions of the left maxillary bone level with triadan 207.

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

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

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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 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

Thorax

Dr. Runde

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

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.

DATE

10/20/21



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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.

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

BREED

DSH

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

- Biologically aggressive nasal soft tissue neoplasia with polyostotic aggressive osteolytic lesions of the surrounding osseous structures and perforation of the fossa cranii
- Normal thorax, no evidence of pulmonary metastatic disease

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

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There is a biologically aggressive nasal soft tissue neoplasia perforating the cranial fossa. Differentials include adenocarcinoma, transitional cell carcinoma, lymphosarcoma, squamous cell carcinoma, other.

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Rhinoscopy with FNA sampling and biopsy can be performed as advanced diagnostic tests. FNA sampling of the mass by the osseous defect in the maxillary bone level with triadan 107 appears feasible as well. The chances of radiation therapy can be discussed with oncologist, based on results of the advanced diagnostic tests. The Adam tumor stage is T4.

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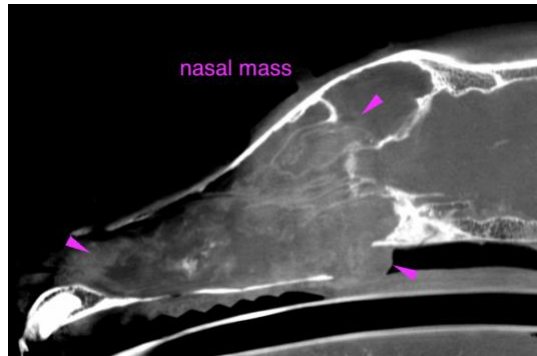
Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

AGE

7 Years

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com



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