



PATIENT

Shadow Abbey

PRESENTING CLINICAL SIGNS

Presented for increased respiratory effort(upper airway) and sneezing since march Has responded to steroid injections.
Abnormal PE/Chem/CBC/UA Results: Normal

SPECIES

Feline

COMPUTED TOMOGRAPHY 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.

MN

The caudoventral aspect of the left nasal cavity is occupied by expansile, soft tissue attenuating and mild irregular moderate contrast enhancing material. The soft tissue material is extending caudally into the choana that are completely occupied by the mass. Local aggressive osteolysis of the perpendicular plate of the left palatine bone, ethmoid bone and cribriform plate is seen. The nasal soft tissue mass is bulging into the medial aspect of the left orbit and perforation of the cranial fossa is seen – with mild mass effect on the left olfactory bulb.

AGE

6

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.

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

Northeast Veterinary
Referral Hospital

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. Runde

Thorax

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

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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.

DATE

4-13-22

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.



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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.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Biologically aggressive nasal soft tissue mass, originating from left caudoventral aspect of nasal cavity
- Secondary polyostotic aggressive osteolytic lesions of the local osseous structures with perforation of the cranial fossa and left orbit
- No evidence of pulmonary metastatic disease

BREED

DSH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

MN

The findings are consistent with primary nasal neoplasia with local aggressive invasive growth and perforation of the cranial fossa. Differentials include lymphosarcoma, adenocarcinoma, squamous cell carcinoma, melanoma, other. Rhinoscopy including FNA sampling 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.

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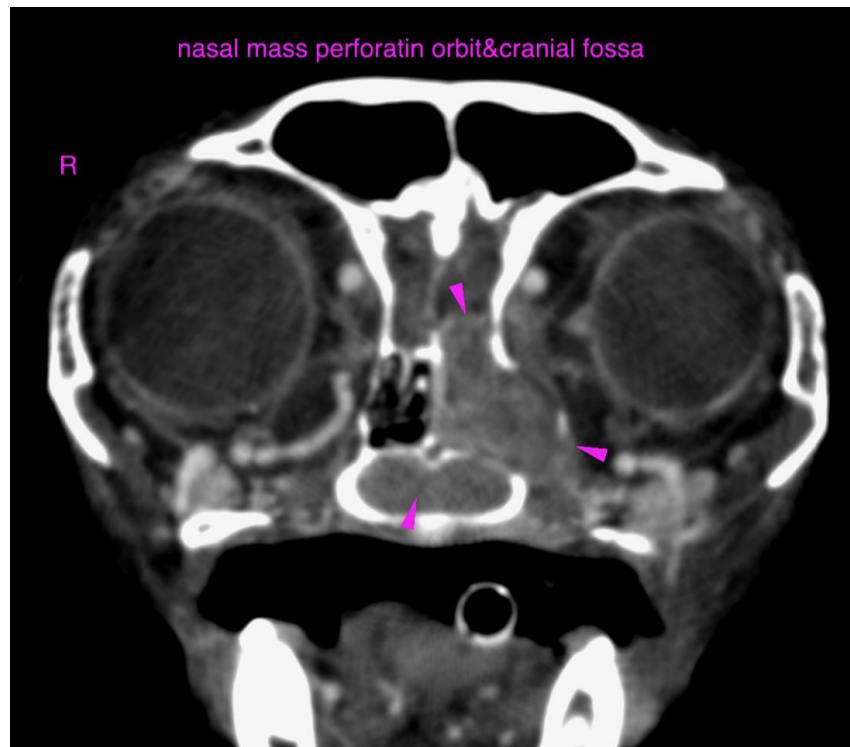
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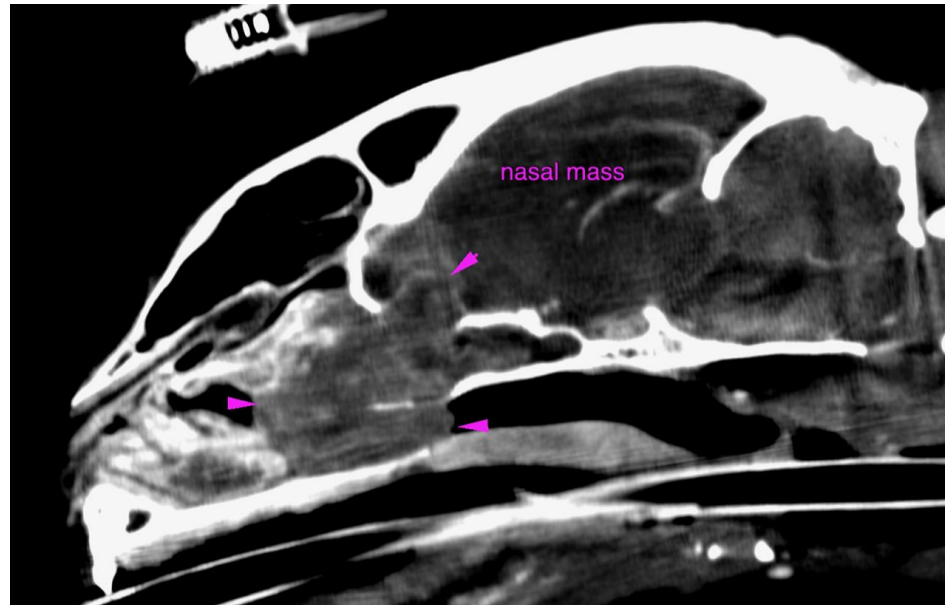
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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