



PATIENT PRESENTING CLINICAL SIGNS

Morgan Bee left unilateral nasal discharger, bloody, mucopurulent for 10 months. no longer responsive to antibiotics.

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD AND NECK

Feline A high resolution pre- and post-contrast CT study of the head and neck is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED
DSH
There is a soft tissue hypoattenuating mass effect within the left nasal cavity. The soft tissue mass effect extends rostrally to the level of the canine maxillary and caudally to the level of the cribriform plate and left frontal sinus. The mass effect is mildly heterogeneous and predominantly hypoattenuating with enhancing areas. The hypoattenuating mass effect produces extensive left nasal turbinate destruction, causes a mass effect toward the right side, and minimal signs of a contralateral invasion.

SEX
MN
There is poorly defined multifocal lysis of the left cribriform plate without evidence of meningeal enhancement adjacently.

AGE
18
Mild multifocal left-sided thinning and lysis of the orbital, pterygoid, and nasal bones are seen.

Mild heterogeneous hypoattenuating fluid material within the left frontal sinus minimally enhances the post-contrast image series. There is mild and focal volume of hypoattenuating fluid material within the caudoventral portion of right frontal sinus, with a pinpoint hyperattenuating focus.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

There is a small area of invasion of the mass through the ipsilateral retrobulbar space. However, no signs of exophthalmia or bulbophthalmia.

The left sided hypoattenuating nasal mass effect invades the ipsilateral sphenoidal sinuses and choana, obstructing almost 90% of the airway passage in some portions.

HOSPITAL NAME

Advanced Animal Imaging

There is mild enlargement of the left medial retropharyngeal lymph nodes. The mandibular lymph nodes are normal.

The tympanic cavities are normal.

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The triadans 101, 401, and 209 are absent.

There is mild horizontal and vertical bone loss along the teeth.

No other abnormalities are identified.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Aggressive nasal mass with extensive turbinate lysis, minor left-sided cribriform lysis, left-side orbital lysis, and bilateral frontal sinusitis. The changes likely represent a neoplastic process such as squamous cell nasal carcinoma, sarcoma, or lymphoma.
- Almost complete obstruction of the choana by mass effect extension and fluid accumulation.

DATE

2-21-23



PATIENT

Morgan Bee

- Mild ipsilateral retrobulbar invasion by the mass effect.
- Minor contralateral nasal invasion by the mass.
- Mild retropharyngeal lymphadenopathy, reactive or neoplastic.
- Mild to moderate periodontal disease and triadan 101, 401, and 209 are absent.

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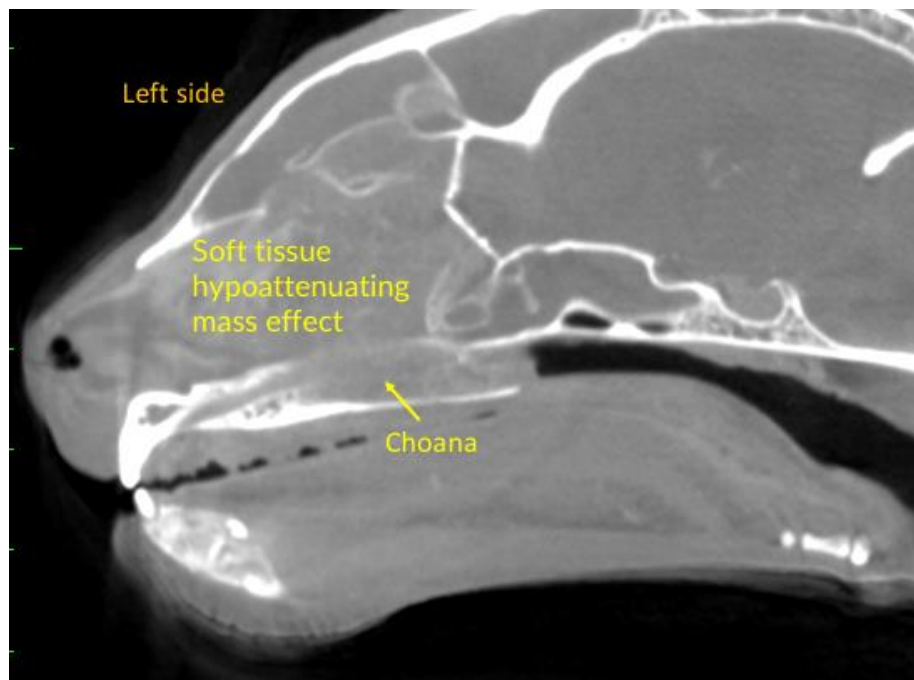
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals an extensive mass effect and osteolytic lesions in left nasal cavity. The differential diagnosis includes squamous cell carcinoma, sarcoma, lymphoma, or chondrosarcoma. Other less likely differential diagnosis includes fungal rhinitis. Concurrent secondary nasal fluid accumulation and secondary bacterial contamination should be considered. Although the cribriform plate has osteolytic lesions, there is no evidence of a mass effect in the olfactory bulbs to suggest an encephalic infiltration. Nasal flush biopsy needed for a definitive diagnosis. The mass is not resectable. The long-term prognosis is poor.





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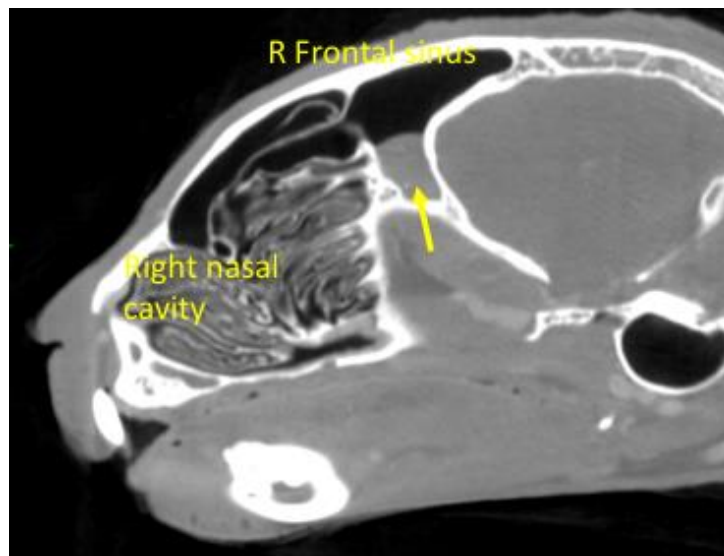
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Feline

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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