



PATIENT

Izzy Black

SPECIES

Canine

BREED

Bearded Collie Mix

SEX

Female Spayed

AGE

14

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Mountain West
Veterinary Hospital

REFERRING VET

Melanie Thompson

INVOICE

53252

DATE

8-3-22

PRESENTING CLINICAL SIGNS

Izzy has been having nasal issues for 2 months. P started snoring when this first started. Bloody discharge started coming from her nose about 4 weeks after she started snoring. rDVM has tried multiple antibiotics, steroids, NSAIDs, and a nasal flush with no improvement. Abnormal PE/Chem/CBC/UA Results: Bilateral nasal discharge, excess crusting around nose and mouth, and apparent obstruction of both nares.

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

A large irregular shaped and ill-defined soft tissue attenuating mass is seen within both nasal cavities. The mass measures approximately 7 cm in length, 4 cm in width, and 5 cm in height. Extensive turbinate destruction is seen as well as polyostotic aggressive bone lysis involving the right frontal, right pterygoid, right nasal, maxillary, and palatinal bones, as well as the vomer bone and cribriform plate. The mass extends into the nasal fundus. Early right orbital extension is noted as well as intracranial invasion with an extraaxial mass effect onto the right frontal lobe of the brain.

Both frontal sinuses contain fluid attenuating contrast negative material.

The left and right medial retropharyngeal and submandibular lymph nodes present mild symmetric enlargement.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Soft tissue mass with aggressive biological behavior within both nasal cavities with intracranial invasion as well as extension into the nasal fundus and early right orbital extension.
- Bilateral obstructive frontal sinusitis.
- Mild bilateral medial retropharyngeal and submandibular lymphadenomegaly.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a malignant nasal neoplasia. Intracranial extension with a mass effect onto the frontal lobe of the right cerebral hemisphere is noted. Differential diagnosis includes adenocarcinoma, other carcinoma, lymphosarcoma, and less likely sarcoma. Final diagnosis would require sampling for histology.

The lymph node changes are equivocal for reactive hyperplasia versus early metastatic disease. Fine needle aspiration may help differentiating between reactive hyperplasia and a neoplastic infiltrate. However, tumor growth is extensive, and the long term prognosis is poor in this patient, unfortunately.



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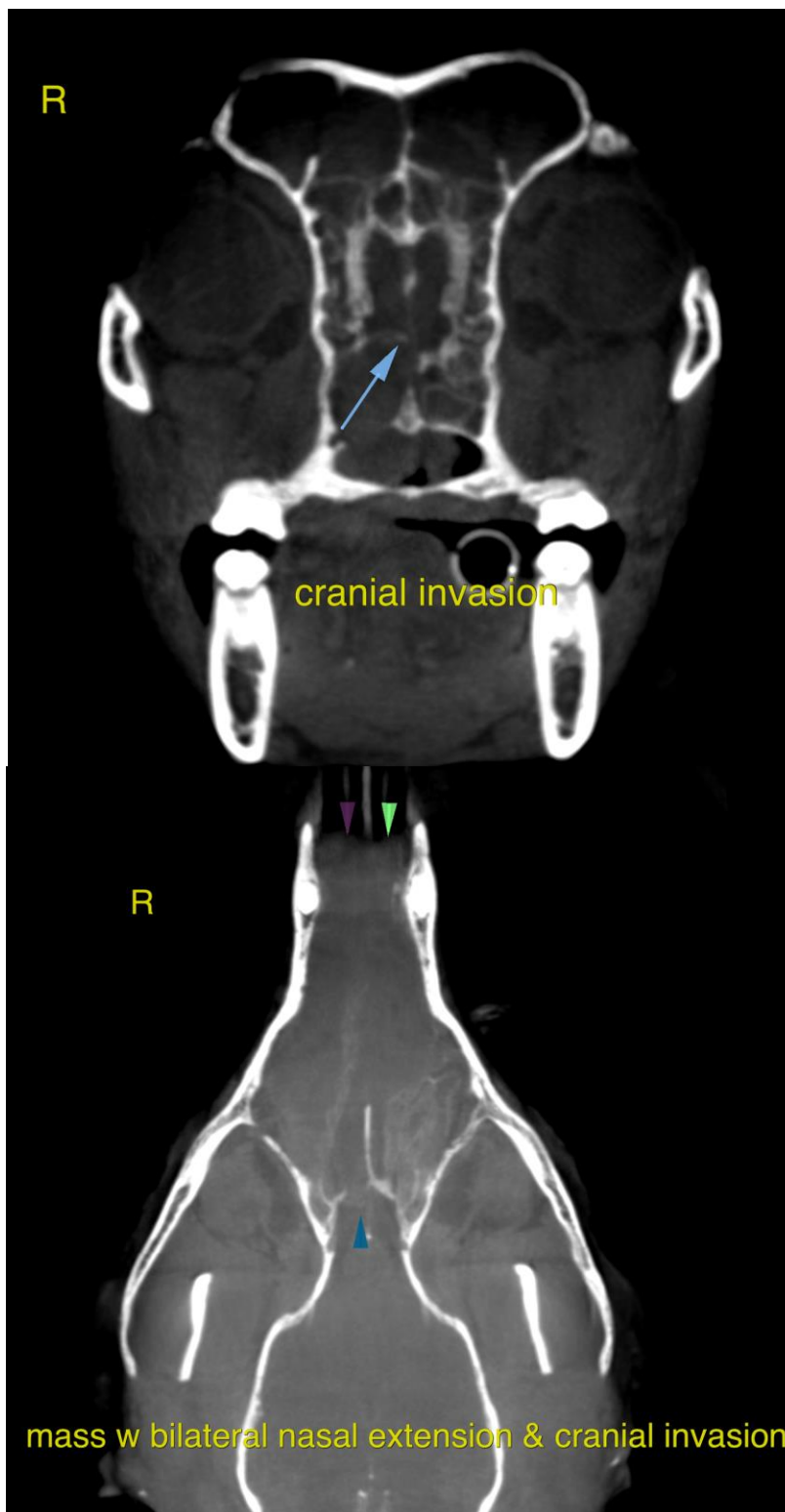
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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