



## PATIENT

Roxie Fuentes

## SPECIES

Canine

## BREED

French Bulldog

## SEX

FS

## AGE

5Y

## WEIGHT

68

## INTERPRETED BY

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

## IMAGING PERFORMED BY

Roxan Romero

## HOSPITAL NAME

Scottsdale Veterinary  
Clinic

## REFERRING VET

Dr. Hertz

## INVOICE

72633

## DATE

11-13-25

## PRESENTING CLINICAL SIGNS

bilateral nasal epistaxis/mucousy discharge - rhinoscopy/biopsy revealed severe, multifocal to coalescing and extensive, subacute, necrosuppurative, fibrinous, and lymphoplasmacytic rhinitis with hemorrhage and intralesional coccoid bacteria (possible actinomycetes)

## COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies are available for review.

## COMPUTED TOMOGRAPHIC FINDINGS

A large left sided nasal cavity mass measuring approximately 5 x 3 x 2.5 cm is seen. The lesion irregular shaped, ill-defined, expansile, and infiltrative, composed of heterogeneous soft tissue density with heterogeneous moderate post-contrast enhancement. The mass occupies most of the left mid- and caudal nasal cavity effacing nasal turbinates. Perforation of the nasal septum, extension into the nasal fundus, and aggressive osteolysis of the left maxillary, nasal, palatal, and vomer bones as well as of the left bony orbit is seen. The mass extends into the left orbit via lysis of the medial orbital wall resulting in displacement of orbital soft tissues. However, the globe remains structurally intact. The cribriform plate appears to be intact as well. The left frontal and presphenoidal sinuses are filled with soft tissue attenuating material. Evidence of intracranial extension is not seen at this time.

Mild enlargement of the left mandibular lymph nodes is seen.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

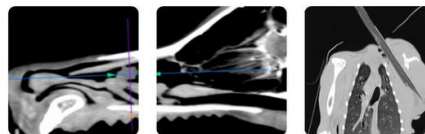
- Large destructive left nasal cavity mass with aggressive osteolysis and left orbital extension, marked turbinate, and bone destruction.
- Left frontal sinus and nasal fundus involvement.
- Left submandibular lymphadenomegaly.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT findings indicate a highly aggressive left nasal mass. The extensive osteolysis and multicavity involvement strongly support neoplasia with top differentials including nasal carcinoma and less likely sarcoma, or round cell neoplasia. Invasive fungal rhinitis and severe chronic bacterial rhinitis with granuloma formation cannot be ruled out entirely, however, appears by far less likely.

The biopsy indicates bacterial infection and severe inflammation which may represent secondary infection superimposed on neoplasia. True infectious granuloma is thought less likely but cannot be completely excluded. CT guided biopsy of the mass, if possible, from a different region than the prior scope biopsy can be considered. Fungal culture and PCR could be performed as well.

Consider lymph node aspirates for cytology, however, the lymph node enlargement is very subtle at this point and more likely to be reactive.



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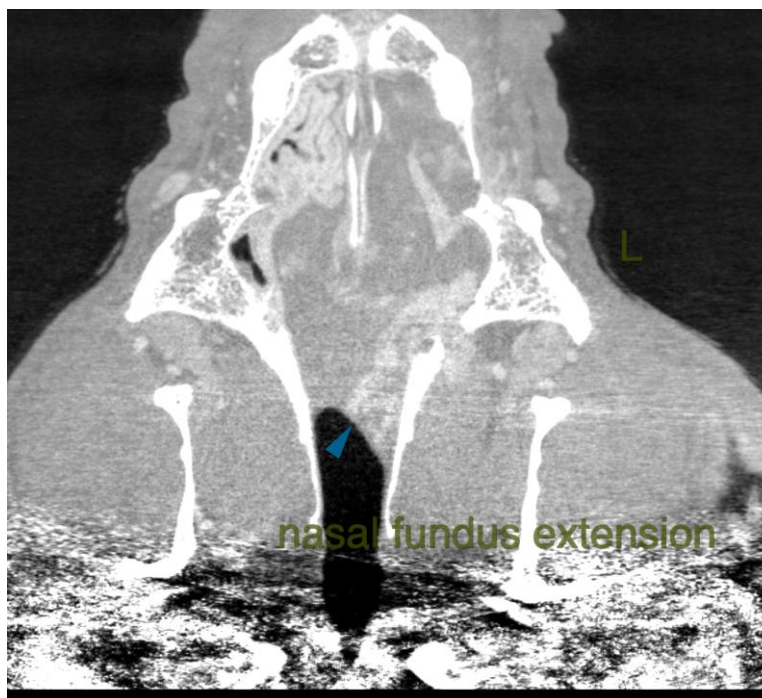
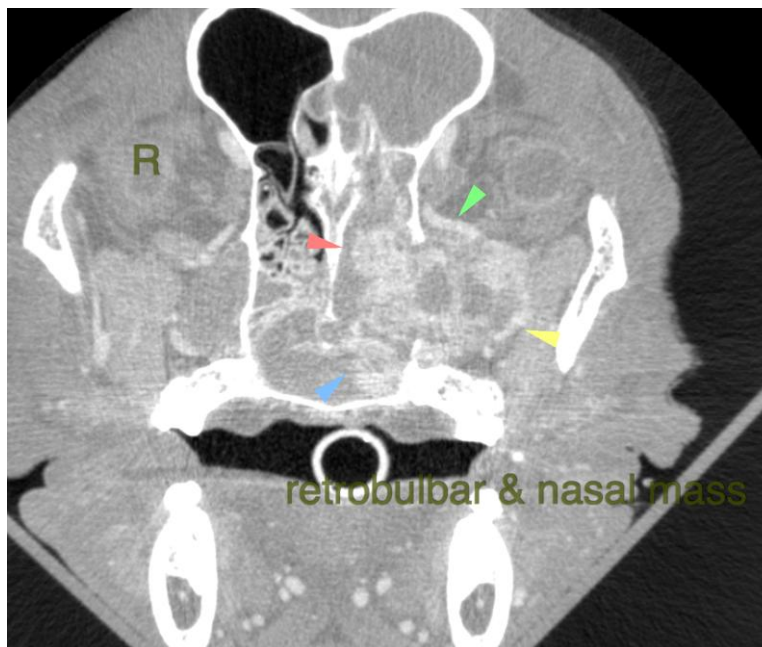
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Nele Eley (Ondreka)**, DVM, Dr. med. vet., DipECVDI

European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,

Senior lecturer University of Giessen/Germany, Veterinary Faculty, Department of Radiology.

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