



PATIENT

Kailey Meng

PRESENTING CLINICAL SIGNS

Right sided nasal congestion, started with nose bleed on right side in December. History of diabetes and heart murmur

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

BREED

Maltepoop

COMPUTED TOMOGRAPHIC FINDINGS

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

SEX

Spayed Female

A large irregular shaped and ill-defined soft tissue attenuating mass with moderate nonuniform contrast enhancement is seen within the right nasal cavity and right frontal sinus. The mass occupies the mid and caudal third of the right nasal cavity and rostral aspect of the right frontal sinus. Approximate length is 4.7 cm and approximate diameter is 1.8 cm. Severe regional turbinate destruction is noted as well as polyostotic aggressive osteolysis accentuated in the right hard palate, however, also involving the right maxillary, nasal, and frontal bones. The cribriform plate is intact. The mass crosses the midline towards the left side within the nasal cavity through the nasal septum as well as within the nasal fundus.

AGE

12 Years

INTERPRETED BY

Nele Eley, 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 auditory meatuses present within normal limits.

HOSPITAL NAME

Queen Creek
Veterinary Clinic

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.

The salivary glands present within normal limits.

REFERRING VET

Dr. Carly Meschino

Multiple teeth present severe resorptive changes, however, no dental changes relevant to the nasal pathology are identified.

A small wart like dermal nodule is seen caudal to the nostrils on the dorsum of the nose to the right of the midline.

INVOICE

51718

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large soft tissue mass with aggressive biological behavior within the right nasal cavity and rostral right frontal sinus.
- Periodontal disease and multifocal CORL lesions.

DATE

4-22-22



PATIENT

Kailey Meng

SPECIES

Canine

BREED

Maltepool

SEX

Spayed Female

AGE

12 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Queen Creek
Veterinary Clinic

REFERRING VET

Dr. Carly Meschino

INVOICE

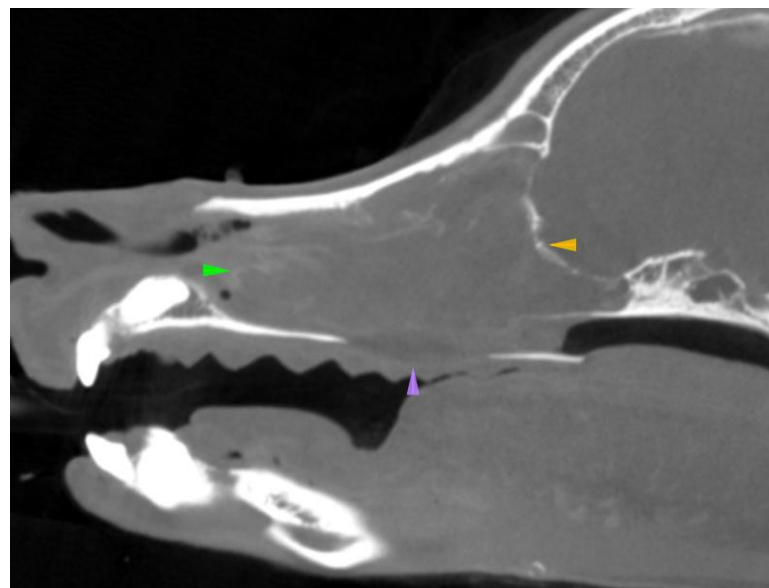
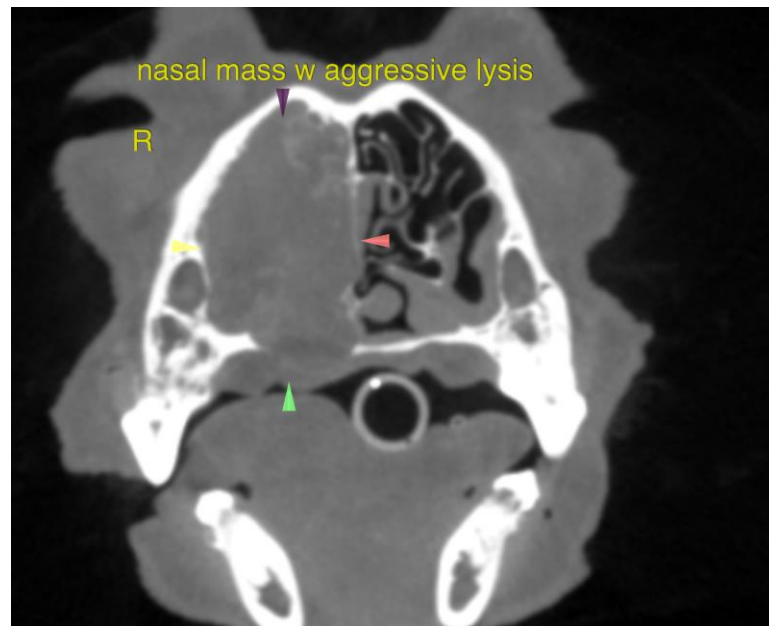
51718

DATE

4-22-22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a malignant soft tissue neoplasia within the right nasal cavity with secondary polyostotic aggressive osteolysis. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, lymphosarcoma, and less likely soft tissue sarcoma. Final diagnosis would require sampling for histology which could be considered along with full staging should the owners be interested in pursuing palliative tumor treatment. The long term prognosis is poor unfortunately.





PATIENT

Kailey Meng

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.

SPECIES

Canine

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com

BREED

Maltepool

SEX

Spayed Female

AGE

12 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Queen Creek
Veterinary Clinic

REFERRING VET

Dr. Carly Meschino

INVOICE

51718

DATE

4-22-22