



PATIENT PRESENTING CLINICAL SIGNS

Lady Samji Patient was a referral from TLC and o complaint was the epistaxis from the left nares, for CT and biopsy. Mass extending from the left nasal passage into the right , lytic lesions of the hard palate and left orbit.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

A pre- and post-contrast study of the head is provided for review. One head series pre-contrast and one post-contrast.

BREED

Pit Bull

COMPUTED TOMOGRAPHIC FINDINGS

A mixed soft tissue attenuating, hypoattenuating, and heterogeneously enhanced mass is seen within the nasal cavity, predominantly on the left side. However, both sides are affected, and complete left side airway obstruction and partial right-side airway obstruction are noted. The mass presents severely heterogeneous content and extends from the canine tooth (204) caudally throughout the cribriform plate; and a cribriform plate osteolytic lesion is seen, with interruption and extension of the mass effect throughout the olfactory bulb and meningeal enhancement. The aggressive nasal mass causes turbinate destruction/lysis. Multifocal lysis is also seen on multiple adjacent bones, especially at the left side including the left retrobulbar adjacent bones. The affected bones include the perpendicular plate of the ethmoidal bone, the orbital plate of the ethmoidal bone, and the palatine bone.

SEX

SF

AGE

7 Years

The mass invades the left retrobulbar space affecting the *pterygoideus medialis* muscle, and a left exophthalmia is seen.

INTERPRETED BY

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

The mass invades the proximal right side of the choana causing a 90-95% airway obstruction in some portions. There are signs of mass effect projecting into the left side of the oral cavity, showing a mild oronasal communication.

The left frontal sinus is completely filled with hypoattenuating fluid material.

HOSPITAL NAME

Petroglyph Animal Hospital

The hyoid apparatus is normal.

The retropharyngeal lymph nodes are mildly asymmetrical, and mildly enlarged on the left side with normal enhancement. The LRFLN is measuring 0.54cm thickened and the RRFLN is measuring 0.4cm thickened.

REFERRING VET

Dr. Raymond Hudgell

The maxillary lymph nodes are normal.

The tympanic cavities are air-filled, and the external auditory canals are unremarkable.

The temporomandibular joints are normal.

INVOICE

57970

All teeth are present.

DATE

4-25-23



PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS

- Lady Samji
- Aggressive nasal mass and fluid accumulation with extensive turbinate lysis, left-sided cribriform lysis, left side orbital lysis, and left frontal sinusitis. The changes likely represent a neoplastic process such as squamous cell nasal carcinoma or sarcoma.
- SPECIES**
- Canine
 - Concurrent bilateral secondary rhinitis and right-side neoplastic extension.
 - Multifocal cribriform osteolysis and focal encephalic enhancement indicate lesion extension to the nervous system.
- BREED**
- Pit Bull
 - Oronasal and choana invasion, with almost complete airway obstruction in some portions of the choana.
 - Left side retrobulbar invasion and consequent exophthalmia.
 - Mild left-side retropharyngeal lymphadenopathy, reactive or neoplastic.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX SF

The CT study reveals a nasal soft tissue mass in the nasal cavity, more on the left side, causing almost complete airway obstruction in the left nasal cavity and choana, with a multifocal osteolytic lesion in adjacent bones, showing aggressive behavior and correlated with the presented clinical signs. There is evidence of cribriform plate interruption and meningeal infiltration. As performed, a biopsy is needed for a definitive diagnosis. A palliative treatment can be considered depending on the type of tumor. The long-term prognosis is poor.

AGE 7 Years

Concurrent secondary nasal fluid accumulation and secondary bacterial/fungal contamination should be considered.

INTERPRETED BY

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

HOSPITAL NAME

Petroglyph Animal Hospital

REFERRING VET

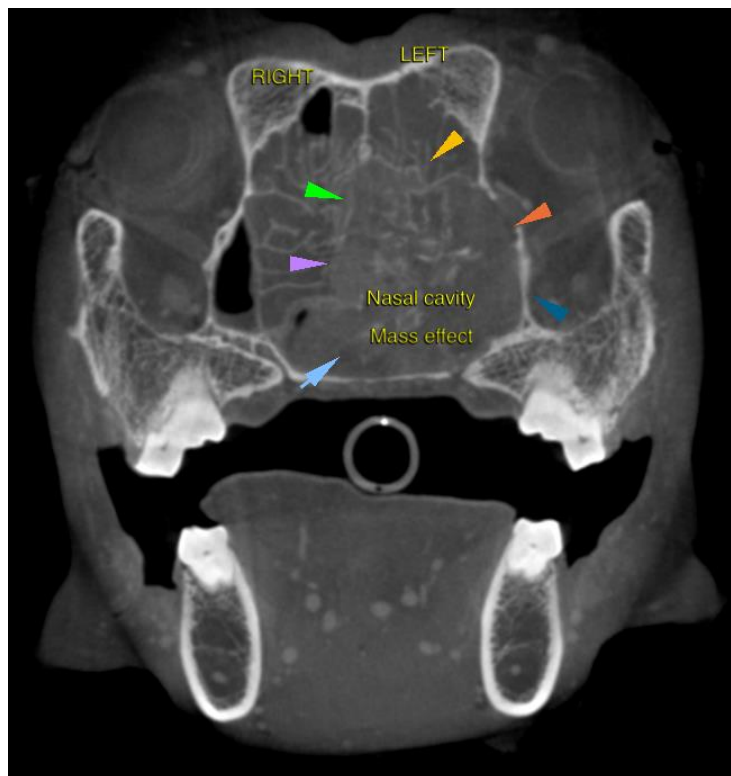
Dr. Raymond Hudgell

INVOICE

57970

DATE

4-25-23





PATIENT

Lady Samji

SPECIES

Canine

BREED

Pit Bull

SEX

SF

AGE

7 Years

INTERPRETED BY

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

HOSPITAL NAME

Petroglyph Animal
Hospital

REFERRING VET

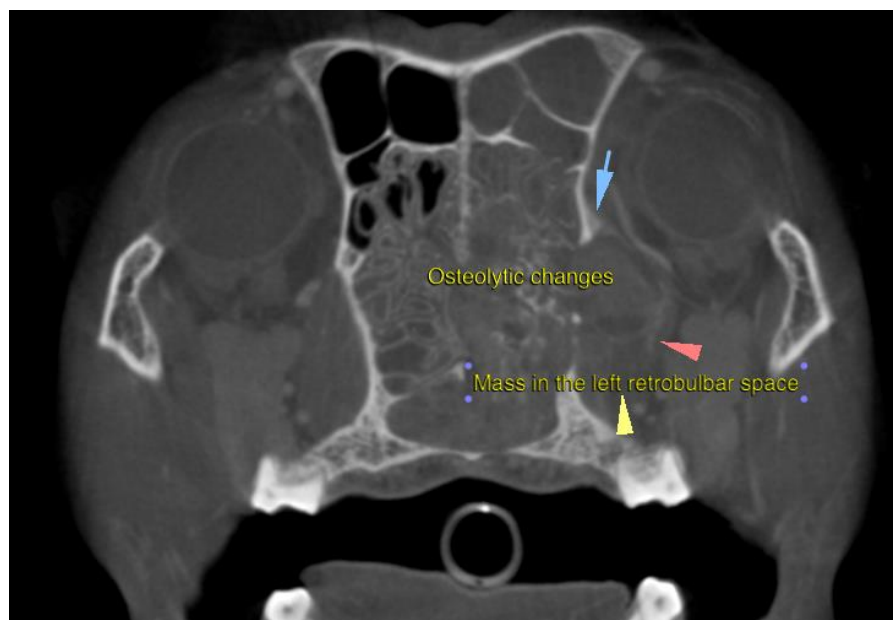
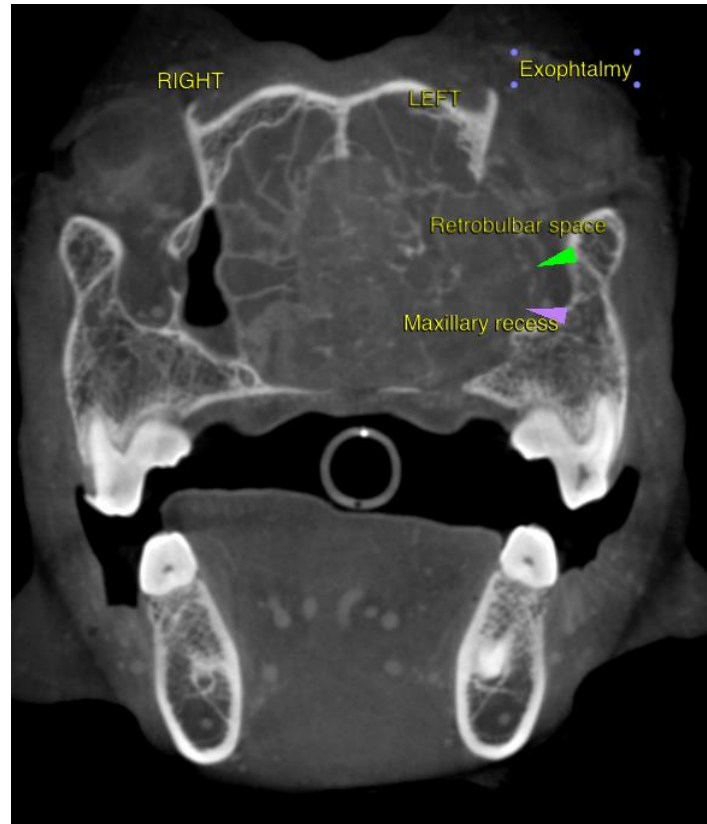
Dr. Raymond Hudgell

INVOICE

57970

DATE

4-25-23





PATIENT

Lady Samji

SPECIES

Canine

BREED

Pit Bull



SEX

SF

AGE

7 Years

INTERPRETED BY

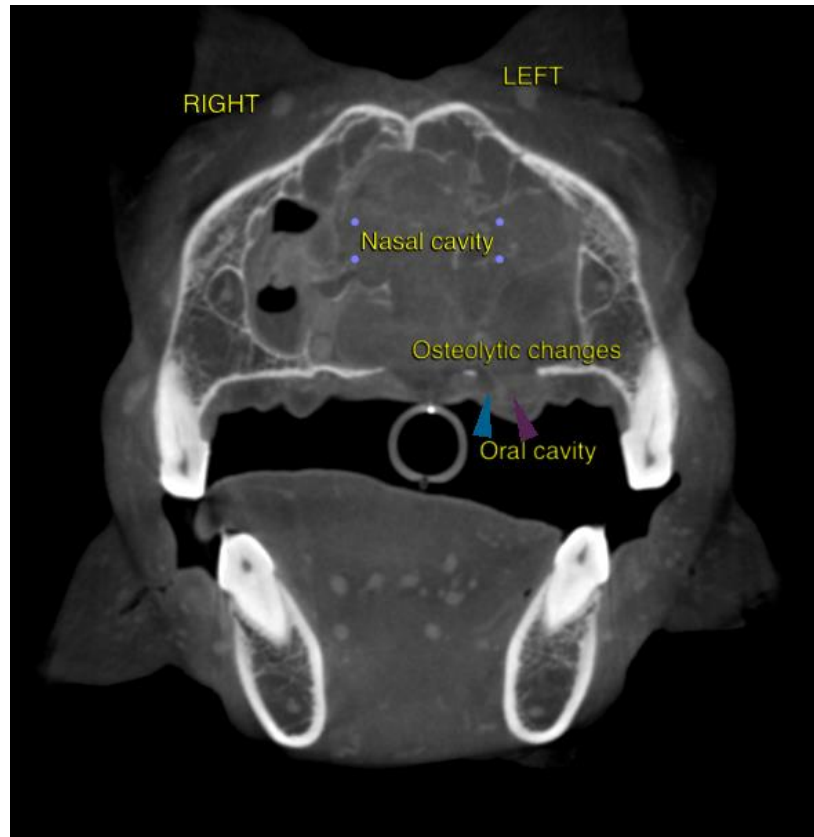
Tilde Rodrigues Froes,
DMV, MSc., Dr. Med
Vet., Dipl. CBraRVet

HOSPITAL NAME

Petroglyph Animal
Hospital

REFERRING VET

Dr. Raymond Hudgell



INVOICE

57970

DATE

4-25-23



PATIENT

Lady Samji

SPECIES

Canine

BREED

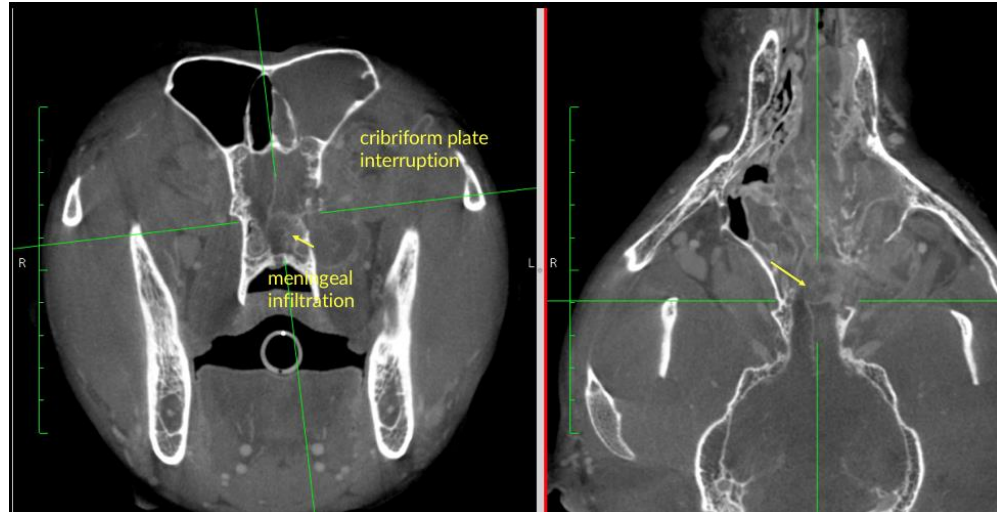
Pit Bull

SEX

SF

AGE

7 Years



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.

INTERPRETED BY

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

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet
info@sonopath.com

HOSPITAL NAME

Petroglyph Animal
Hospital

REFERRING VET

Dr. Raymond Hudgell

INVOICE

57970

DATE

4-25-23