



PATIENT

Shadow #3031OA-CT
Ridgley

SPECIES

Canine

BREED

Australian Shepherd

SEX

MN

AGE

12 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Gentle Doctor Animal
Hospital

REFERRING VET

Pete Bashara, DVM

INVOICE

53008

DATE

7-21-22

PRESENTING CLINICAL SIGNS

Multi-month history of unilateral to bilateral nasal hemorrhage and spasmodic sneezing events. Concurrent care with a cardiologist for managed mitral valve disease and no evidence of primary or secondary thoracic changes with radiographs completed. Referred to us for regional CT evaluation. Imaging goal today to determine extent of changes and need for additional diagnostics including rhinoscopic exam and biopsy with culture with primary DVM
Abnormal PE/Chem/CBC/UA Results: No changes reported with normal blood pressures and managed renal values with current cardiac medications.

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

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.

A 4.5 x 2.5 cm sized ill-defined irregular shaped soft tissue mass with strong nonuniform contrast enhancement is seen in the caudal and ventral aspect of the right nasal cavity. Polyostotic aggressive osteolytic changes of the right nasal bone, right palatal bone, and bony orbita, as well as of the frontal bone and cribriform plate are seen and do allow for extension of the mass into the nasal fundus, right orbita, and cranial vault where an extraaxial mass effect onto the frontal lobe is noted from a ventral aspect. A mild amount of fluid attenuating material and mucosal swelling are noted within the right frontal sinus and remainder of the right nasal cavity. At this time, there is only a minimal mass effect onto the right eye.

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.

The right submandibular and medial retropharyngeal lymph nodes are minimally and symmetrically enlarged.

The salivary glands present within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Soft tissue mass with aggressive biological behavior within the caudal and ventral aspect of the right nasal cavity with polyostotic aggressive bone lysis and extension into the right orbita and cranial vault.
- Mild right medial retropharyngeal and submandibular lymphadenomegaly.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a malignant soft tissue neoplasia within the right nasal cavity



PATIENT

Shadow #3031OA-CT
Ridgley

with secondary aggressive bone lysis. The neoplasia does extend into the cranial vault and right orbita. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, lymphosarcoma, and less likely soft tissue sarcoma. Final diagnosis would require sampling for histology and could be obtained by means of endoscopy using a retrograded approach from the nasopharynx and nasal fundus.

SPECIES

Canine

The lymph node enlargement is minimal and equivocal for reactive hyperplasia versus early metastatic disease. Consider fine needle aspiration for further definition.

BREED

Australian Shepherd

SEX

MN

AGE

12 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Gentle Doctor Animal
Hospital

REFERRING VET

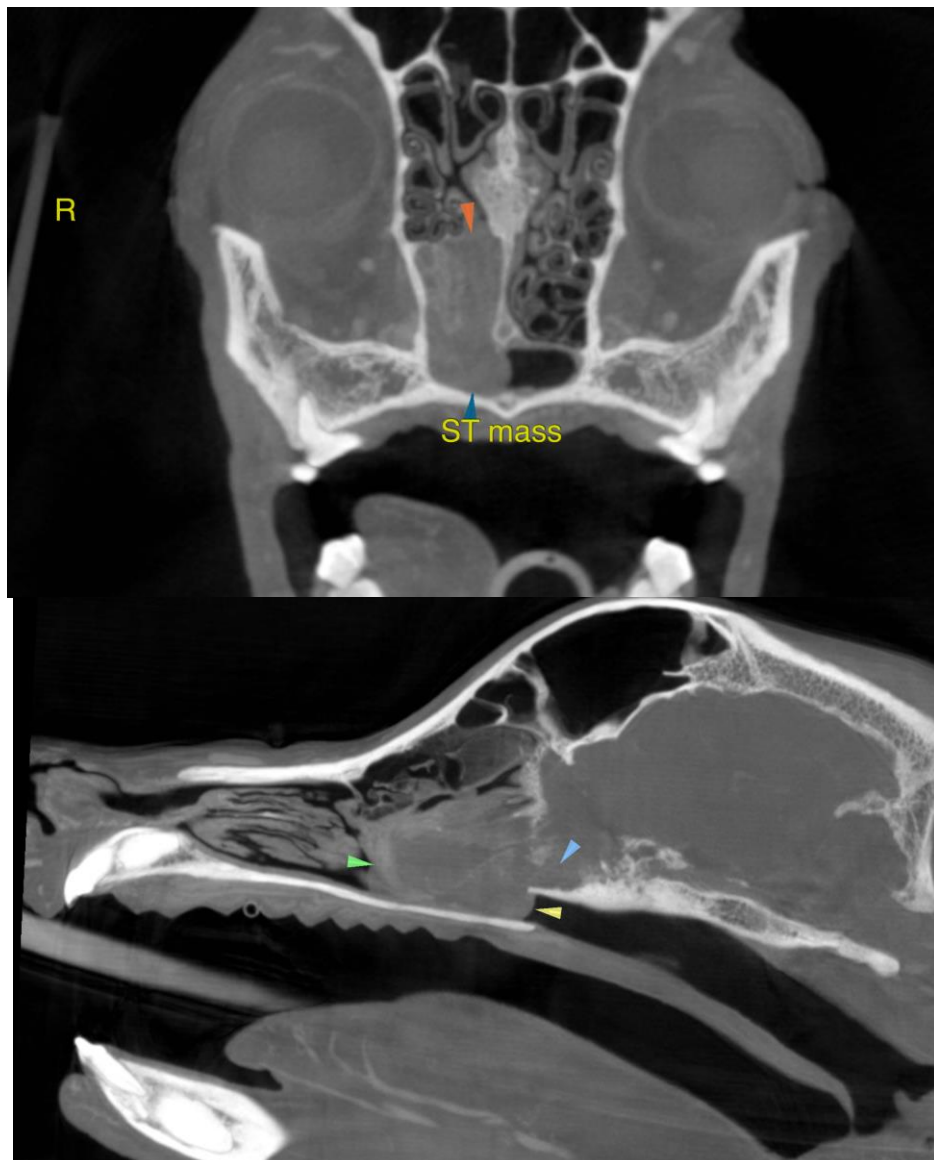
Pete Bashara, DVM

INVOICE

53008

DATE

7-21-22





PATIENT

Shadow #3031OA-CT
Ridgley

SPECIES

Canine

BREED

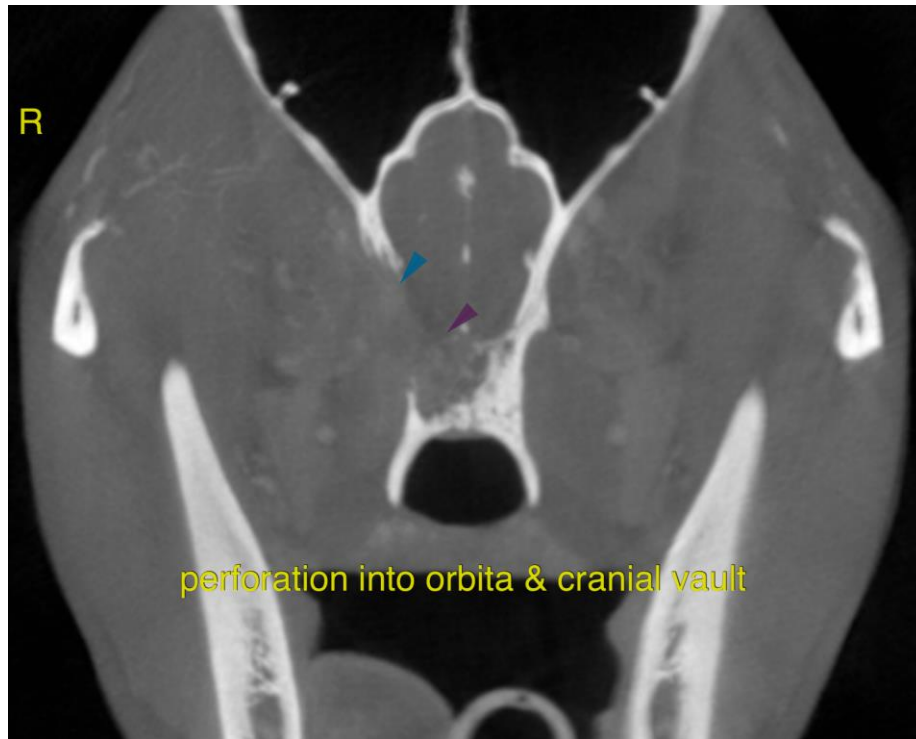
Australian Shepherd

SEX

MN

AGE

12 Years



INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Gentle Doctor Animal
Hospital

REFERRING VET

Pete Bashara, DVM

INVOICE

53008

DATE

7-21-22

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.

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