



PATIENT

Hollie Ayer

PRESENTING CLINICAL SIGNS

Patient presented for further diagnostics for 3 week history of severe right exophthalmos and right mucopurulent nasal discharge.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

Plain and post contrast studies available for review.

BREED

Shepherd Mix

COMPUTED TOMOGRAPHIC FINDINGS

Head

An irregular shaped ill-defined heterogeneously enhancing mass with multiple mineralizations is seen in the right retrobulbar and retromolar soft tissues. The mass measures approximately 6 cm in height, 3 cm in length, and 2.5 cm in width. Most of the mass is situated within the nasal aspect of the right orbita. Moderate right sided exophthalmos is noted. There are polystotic aggressive osteolytic changes of the right frontal bone, right bony orbita, right sphenoidal bone, and hamulus of the pterygoid bone which do allow for extension of the mass into the cranial vault where a mass effect onto the right olfactory bulb and frontal lobe is seen. The mass also infiltrates the right optic canal and orbital fissure as well as the nasopharynx.

SEX

FS

AGE

13 Years

The right medial retropharyngeal lymph node is severely enlarged with heterogeneous contrast enhancement and ill-defined margins. The left retropharyngeal and bilateral submandibular lymph nodes present within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Thorax

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

HOSPITAL NAME

Critical Vet
Care/Suncoast
Veterinary

The cardiovascular structures including the pulmonary vasculature are within normal limits.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

REFERRING VET

Dr. Young

The lung parenchyma presents the expected architecture and attenuation behavior.

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

INVOICE

56520

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large right retrobulbar soft tissue neoplasia with aggressive biological behavior and intracranial extension.
- Right sided exophthalmos
- Right medial retropharyngeal lymphadenomegaly meeting neoplastic criteria.
- No evidence of pulmonary metastases.

DATE

2-1-23



PATIENT

Hollie Ayer

SPECIES

Canine

BREED

Shepherd Mix

SEX

FS

AGE

13 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Critical Vet
Care/Suncoast
Veterinary

REFERRING VET

Dr. Young

INVOICE

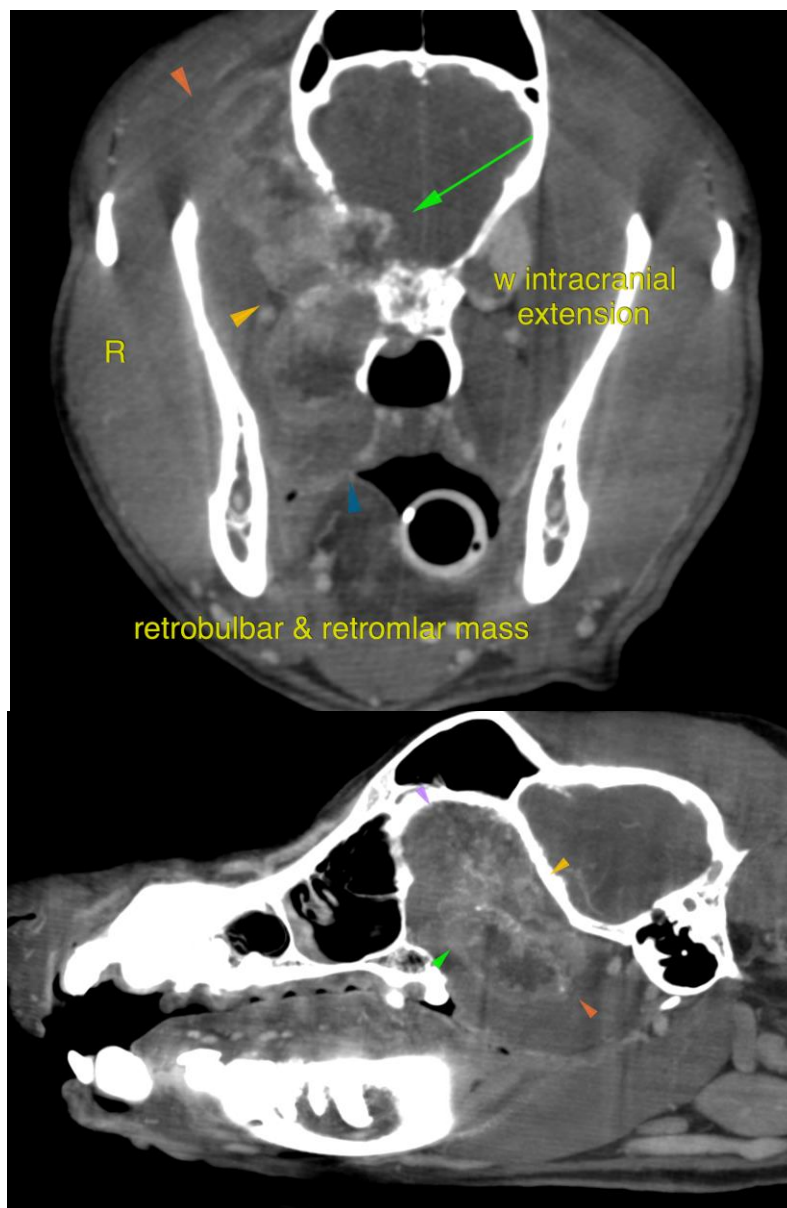
56520

DATE

2-1-23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a malignant soft tissue neoplasia within the right orbita with intracranial extension. Adenocarcinoma and other carcinoma are primary differential diagnoses. However, soft tissue sarcoma, round cell neoplasia, and other cannot be ruled out entirely. Note the presence of extensive intracranial extension and extension into the right optic canal and right orbital fissure as well as the severe righthand sided retropharyngeal lymphadenomegaly, which is compatible with metastatic disease.





PATIENT

Hollie Ayer

SPECIES

Canine

BREED

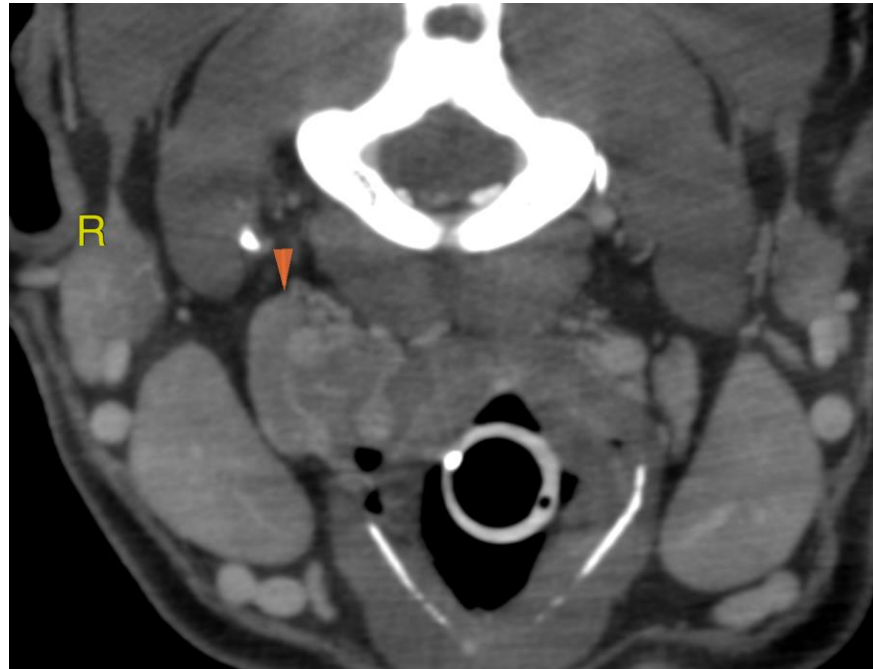
Shepherd Mix

SEX

FS

AGE

13 Years



INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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.

HOSPITAL NAME

Critical Vet
Care/Suncoast
Veterinary

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

REFERRING VET

Dr. Young

INVOICE

56520

DATE

2-1-23