



PATIENT PRESENTING CLINICAL SIGNS

Riley Thomas
 Seen initially on 6/27 for swelling on top of head progressively enlarged in the last few months, very firm on palpation; patient also experienced swelling to the cervical region 7/10/23 and cytology of cervical site showed bacteria and concern for abscess secondary to foreign body vs. other and advised CT of the skull and the swelling at the neck region. Patient eating well and otherwise no concerns.

SPECIES

Canine
 Abnormal PE/Chem/CBC/UA Results: CBC/Chemistry 7/12/23- Mild monocytosis, mild hyperglobulinemia, NSF otherwise

BREED

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & NECK

Dutch Shepherd
 Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Female Spayed
 An ovoid 1.6 x 1.6 x 1.5 cm sized ossified mass is seen on the convexity of the neurocranium to the left of the midline level with the parietal bone and caudally adjacent to the frontal sinuses. Aggressive osteolysis of the sagittal crest between the left and right parietal bones is seen. There is no evidence of intracranial invasion.

AGE

11 Years
 A second severely ill-defined and irregular shaped approximately 5 cm sized mass is seen in the upper neck between the trachea and the upper cervical spine level with the thyroid gland. Bilateral thyroid lobe involvement appears to be present. The lesion margins blend into the thyroidal tissue. The delineation to the peripheral soft tissues is severely ill-defined. Infiltration of the hypaxial musculature is seen. The contrast enhancement pattern is heterogeneous with large contrast sparing hypoattenuating areas. There is a significant mass effect onto the upper cervical esophagus and upper esophageal sphincter.

INTERPRETED BY

Nele Eley, DVM
 Dr. med. Vet. DipECVDI

The left medial retropharyngeal lymph node is moderately enlarged and presents heterogeneous contrast enhancement. The right medial retropharyngeal lymph node is mildly enlarged with heterogeneous contrast enhancement.

HOSPITAL NAME

Petroglyph Animal
 Hospital

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Suspect primary neoplasia of bone on the convexity of the neurocranium.
- Ill-defined soft tissue mass in the upper neck level with the thyroid gland meeting neoplastic criteria.
- Left and right medial retropharyngeal lymphadenomegaly meeting metastatic criteria.

REFERRING VET

Whitney Jones

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE

59319

Primary neoplasia of bone such as multilobulated osteosarcoma or chondrosarcoma is a main differential diagnosis for the firm mass on the convexity of the head. The findings are not compatible with osteomyelitis. Other mineralizing neoplasia cannot be ruled out. Final diagnosis would require sampling. At this time, there is no evidence of intracranial extension.

DATE

7-12-23

The findings of the mass in the ventral upper neck are unfortunately not compatible with an abscess. The findings strongly support a malignant soft tissue neoplasia such as thyroid carcinoma, soft tissue sarcoma, or carotid body tumor. Metastatic disease of the skull cannot be ruled out entirely but is very unlikely.



PATIENT

Riley Thomas

The changes of the left medial retropharyngeal lymph are highly suggestive for metastatic disease. The changes of the right medial retropharyngeal lymph node are more equivocal for reactive hyperplasia versus early metastatic disease. Repetition of the sampling could be considered to achieve a final diagnosis.

SPECIES

Canine

BREED

Dutch Shepherd

SEX

Female Spayed

AGE

11 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Petroglyph Animal
Hospital

REFERRING VET

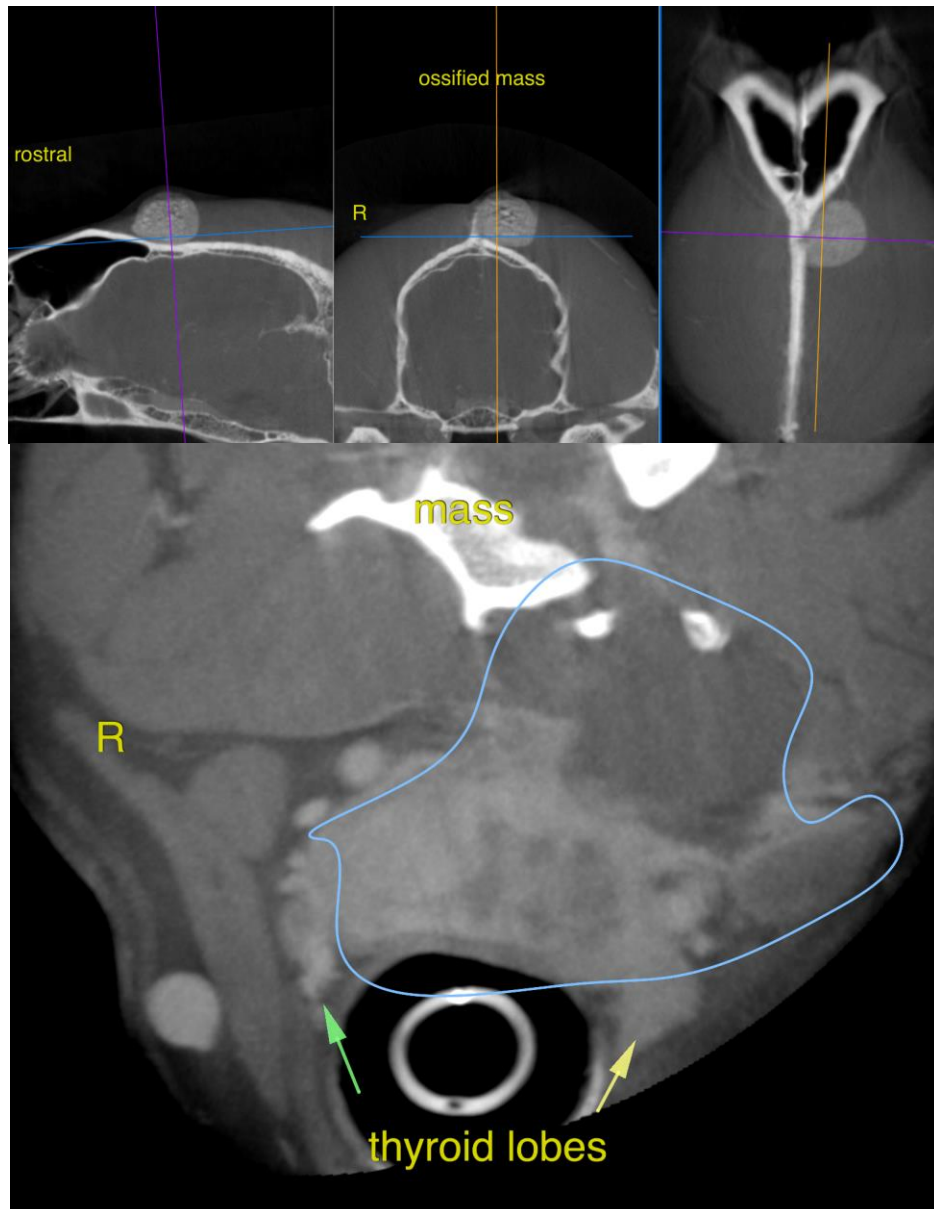
Whitney Jones

INVOICE

59319

DATE

7-12-23





PATIENT

Riley Thomas

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
info@sonopath.com

BREED

Dutch Shepherd

SEX

Female Spayed

AGE

11 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Petroglyph Animal
Hospital

REFERRING VET

Whitney Jones

INVOICE

59319

DATE

7-12-23