



PATIENT PRESENTING CLINICAL SIGNS

Mia Agosta The patient originally presented to the referring vet on March 18th for an evaluation of hypoactive, fever, and weight loss. The PE showed during that visit that the pt had swelling and inflammation of the entire neck region. The neck measured 3.23 inches wide and 3.82 inches tall on 3-18-22. The neck measured 2.7inches wide and 3.2 inches tall on 3-21-22. The patient is currently on Clavamox and Prednisone. Ultrasound to rule out: Lymph nodes enlargement, thyroid or salivary gland enlargement. Preliminary findings: Moderate swelling in the neck region, the right, and thyroid gland appeared to be enlarged, and a mass arise from them. The mass seems cavitated. Salivary glands appeared normal and lymph nodes were prominent. FNA w/Cytology revealed: consistent with Thyroid carcinoma

SPECIES Canine

BREED Daschund

Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- PHOS mild decreased, Calcium mild increased

COMPUTED TOMOGRAPHIC STUDY OF THE NECK & THORAX

SEX Plain and post contrast studies available for review.

SF

COMPUTED TOMOGRAPHIC FINDINGS

AGE 7 Years

The CT study reveals a large ill-defined and irregular shaped mass in the soft tissues of the ventral neck which encompasses the trachea and extends from the retropharyngeal area and larynx to the thoracic inlet. Approximate length is 9cm, width is 7.5 cm, and height is approximately 3.5 cm. The margins to the surrounding soft tissues are ill-defined. Multiple superficial vascular anastomoses are seen. The enhancement is severe and heterogeneous on the post-contrast study. Multiple vascular invasion of the maxillary, linguofacial, left jugular vein, and cranial vena cava is seen. Healthy thyroid glands cannot be delineated.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The mass blends into the enlarged rounded and heterogeneous medial retropharyngeal lymph nodes. Both cervical lymph nodes are moderately enlarged and rounded as well. The sternal and cranial mediastinal lymph nodes present moderate enlargement, rounding, and heterogeneous contrast enhancement.

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Veterinary Image Center

Multiple soft tissue attenuating nodules of varying size and up to 1.5 cm diameter are seen throughout the pulmonary interstitium.

REFERRING VET

Dr. M. Davila, DVM

The tracheobronchial lymph nodes present no significant enlargement.

Mild redundancy of the dorsal tracheal ligament is noted.

No evidence of cardiovascular pathology is seen.

INVOICE COMPUTED TOMOGRAPHIC DIAGNOSIS

- 51227
- Large soft tissue mass with aggressive biological behavior and extensive growth in the ventral neck encompassing the trachea.
 - Bilateral medial retropharyngeal lymphadenomegaly / involvement.
 - Bilateral cervical lymphadenomegaly.
 - Multiple vascular invasion.
 - Sternal and cranial mediastinal lymphadenomegaly.
- DATE** 3-29-22



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- Multiple interstitial pulmonary nodules compatible with metastatic disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a metastasizing soft tissue neoplasia with multiple vascular invasion and strong nonuniform contrast enhancement in the ventral neck. The mass encompasses the trachea. The CT findings are compatible with the history of thyroid carcinoma. Metastases of the medial retropharyngeal lymph nodes, cervical lymph nodes, sternal and cranial mediastinal lymph nodes, as well as the lung should be considered given until proven otherwise. The prognosis is poor unfortunately.

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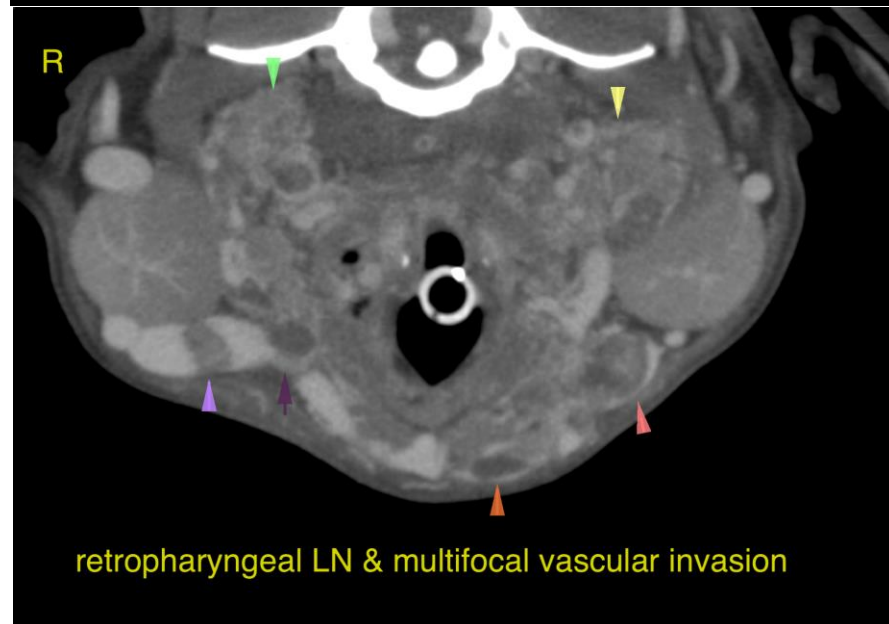
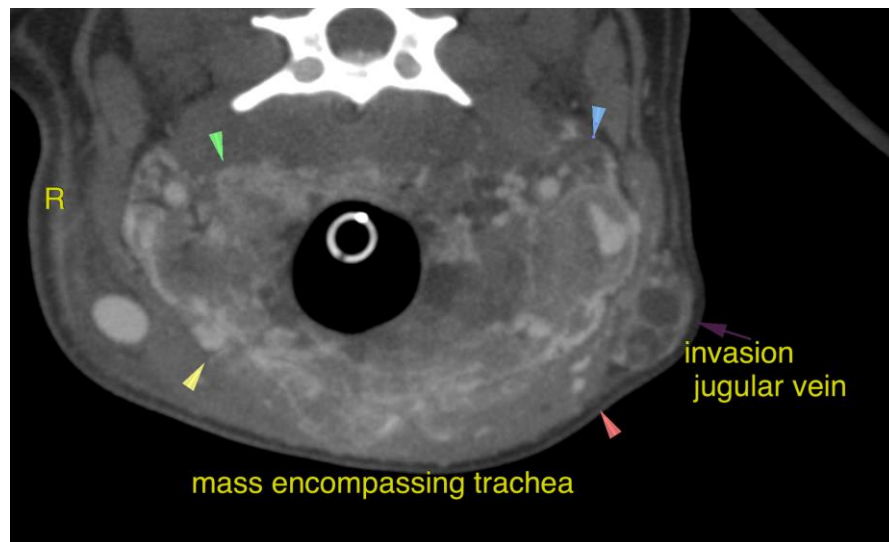
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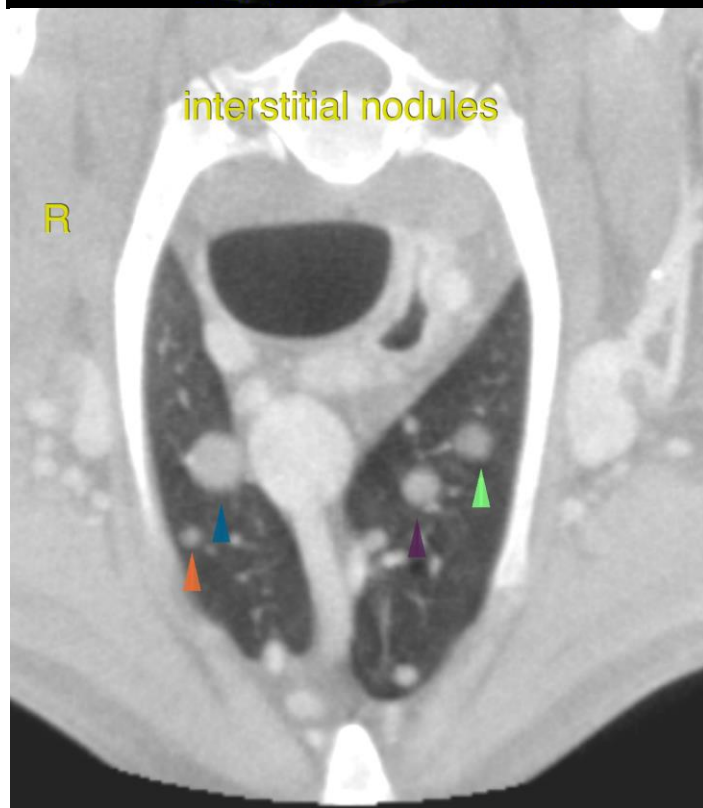
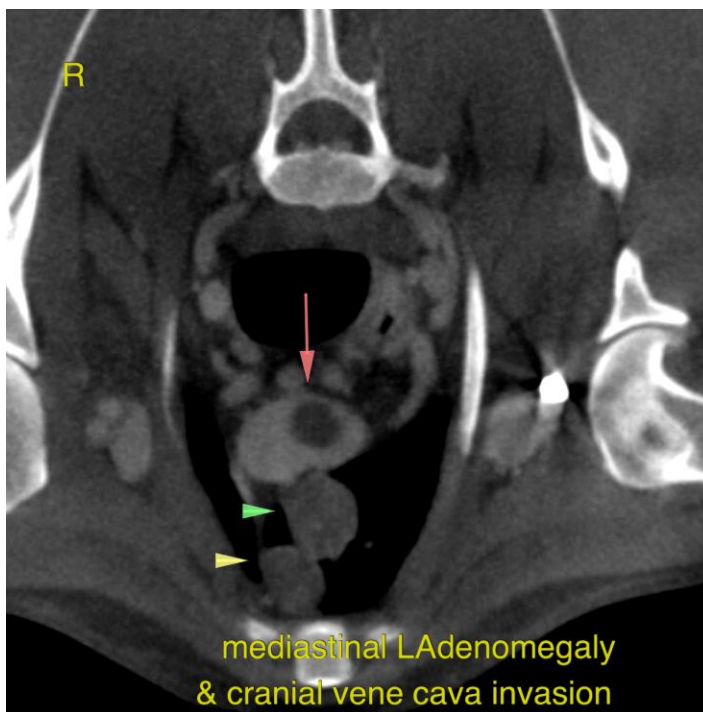
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

BREED

Daschund

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