



PATIENT PRESENTING CLINICAL SIGNS

Ely Sleightholm Older husky with change in bark (muted abnormal sounding bark), mild tachypnea, stidorous breathing, previous coughing as well. Cough resolved with course of steroids. Palpable firm mass in region of thyroid / larynx. Thyroid panel pending. Suspect thyroid carcinoma vs laryngeal. Laryngeal paralysis seen on induction as well.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Palpable firm swelling in region of thyroid/larynx Mildly elevated liver enzymes (ALP>ALT) Thyroid panel pending

COMPUTED TOMOGRAPHY OF THE NECK & THORAX

BREED

Husky

A high resolution pre- and post-contrast CT study of the neck and thorax in a lung and soft tissue reconstruction is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

MN

The medial retropharyngeal lymph nodes bilaterally are small and unremarkable.

AGE

13.5 Years

Originating from the right & left thyroid gland, a mild heterogeneous soft tissue attenuating and strong heterogeneous contrast enhancing mass is seen respectively. The left thyroid mass is well-defined and measuring 4.3 x 2.7 x 5.0 cm in size. The right thyroid mass presents with an ill-defined component in the medial aspect, encompassing the right aspect of the tracheal and merging with the aspect of the esophageal wall at the same level. The right thyroid mass is measuring 5.4 x 3.2 x 7.8 cm in size. Multiple dilated tortuous vessels are seen at the cranial and caudal pole of the thyroid mass bilaterally presenting post contrast irregular intraluminal filling defects – extending cranially up to the linguofacial vein.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Multiple lipomas are seen in the axillary region bilaterally

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 is uniform and considered within normal limits.

HOSPITAL NAME

Animal Health Partners

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. Ashley Gold

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

53262

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Bilateral thyroid mass lesions – local invasive growth of the right thyroid mass with invasion of the right tracheal & esophageal wall
- Vascular invasion of both thyroid mass lesions with tumor thrombus formation
- Lipomas axillary region bilaterally
- No evidence of pulmonary metastatic disease

DATE

8-3-22



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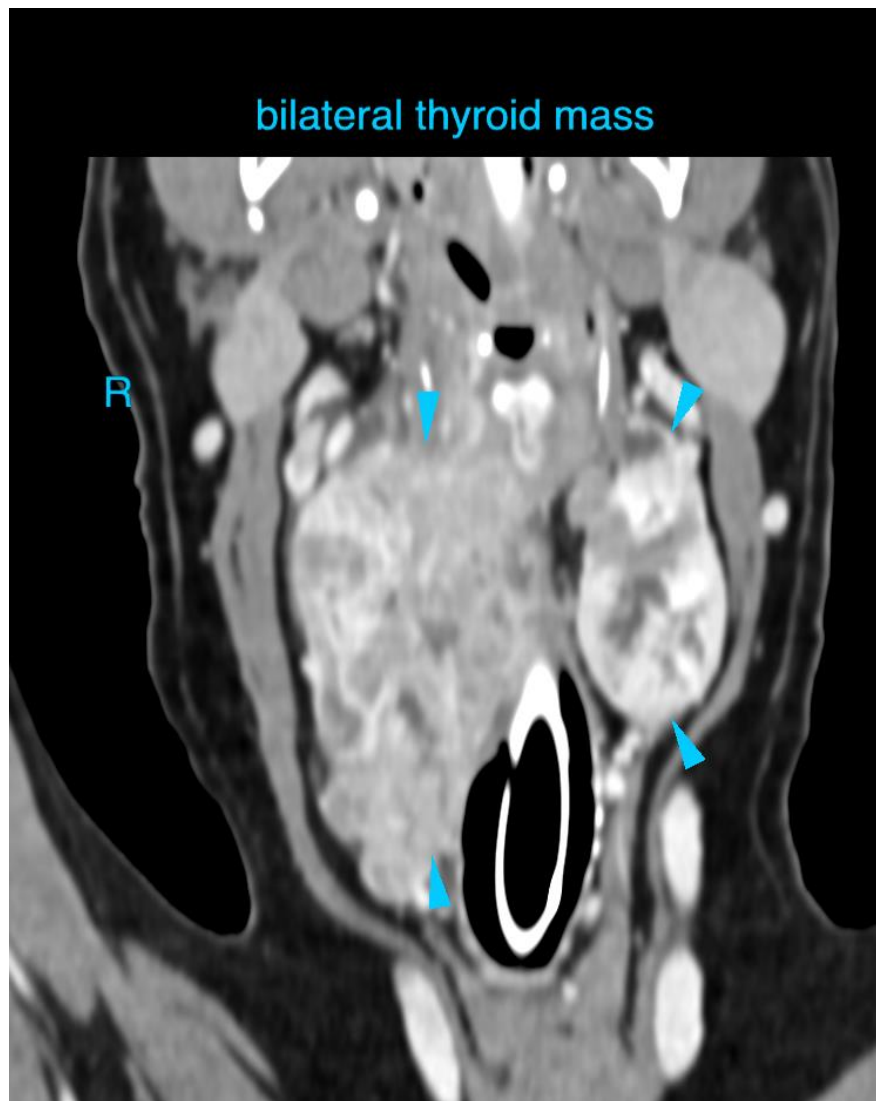
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study is supporting the diagnosis of bilateral thyroid carcinoma with vascular invasion of the venous vascular structures. The right thyroid mass presents evidence of invasion of the tracheal and esophageal wall at the same level and complete surgical resection of the right thyroid mass is considered not feasible.





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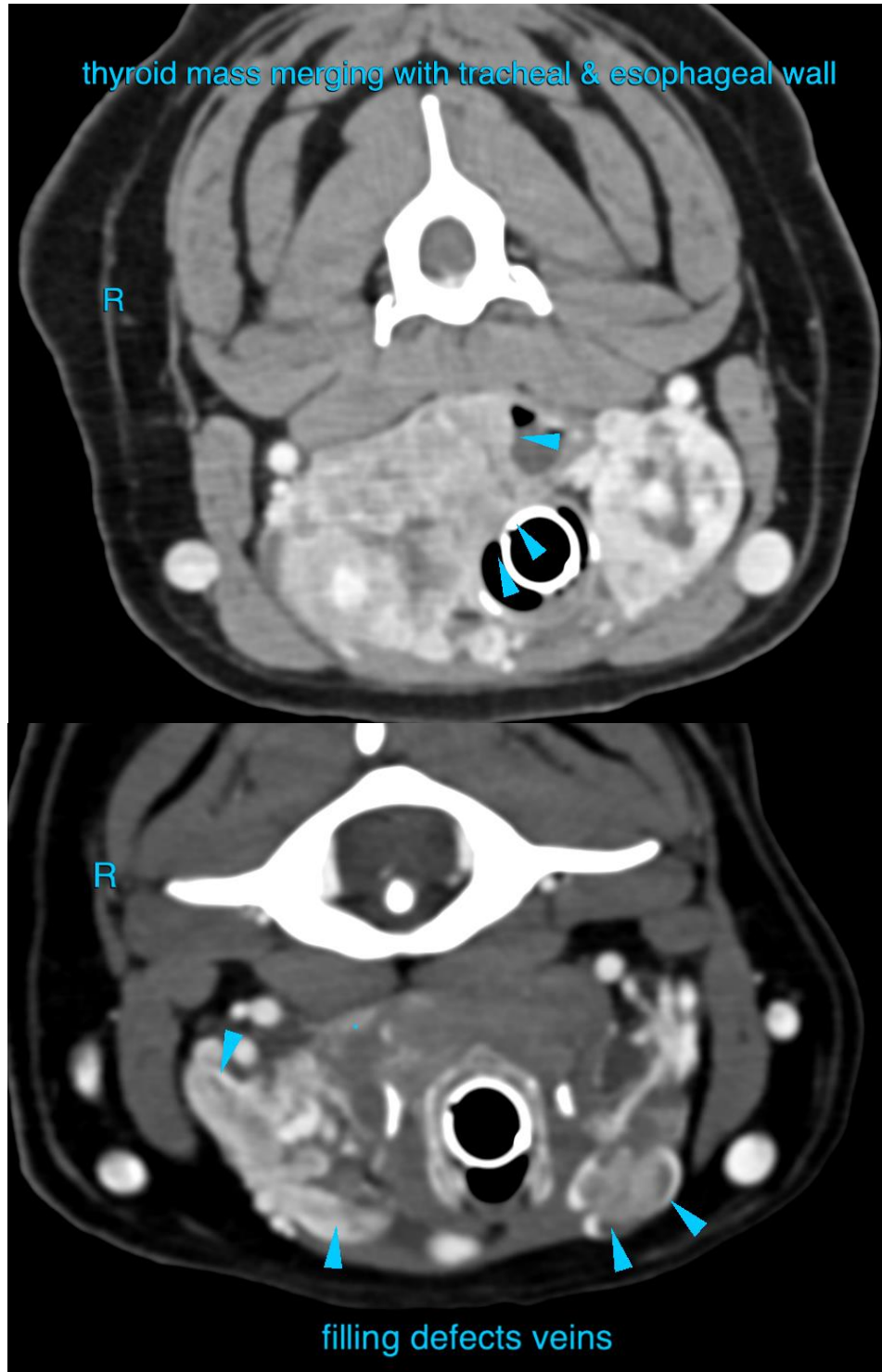
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thyroid mass merging with tracheal & esophageal wall

filling defects veins



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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.

SPECIES

Canine

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

Husky

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