



PATIENT

Button Byun

SPECIES

Canine

BREED

Maltese

SEX

Spayed Female

AGE

11

WEIGHT

4.2

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

IMAGING PERFORMED BY

David

HOSPITAL NAME

Animal Surgical Center

REFERRING VET

Dr. Infernuso

INVOICE

13789

DATE

02/13/26

PRESENTING CLINICAL SIGNS

- cervical mass left sided 6x5x6 cm
- HM grade 3

COMPUTED TOMOGRAPHIC OF THE NECK AND THORAX

A high-resolution post-contrast CT study of the neck and thorax is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

Neck

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 ear canals are within normal limits.

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

Originating from the left thyroid gland, a well-defined, heterogeneous contrast enhancing, ovoid shaped mass is seen; measuring 2.7 x 2.6 x 5.0 cm. The left thyroid mass presents central small zone with granular mineralization. Originating from the right thyroid gland, an ovoid shaped, well-defined, irregular contrast enhancing mass is seen; measuring 0.9 x 1.0 x 3.1 cm. Along the cranial and caudal pole of the thyroid mass bilaterally, multiple tortuous vessels are appreciated.

Thorax

The bony and surrounding soft tissue structures are within normal limits.

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.

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.

The right cranial lung lobe is consolidated with air-bronchograms and a maintained volume. The remainder of the lung parenchyma present the expected architecture and attenuation behavior.

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Thyroid soft tissue mass bilaterally with dystrophic mineralization and no overt sign of vascular invasion
- Alveolar pattern right cranial lung lobe
- No evidence of pulmonary metastatic disease

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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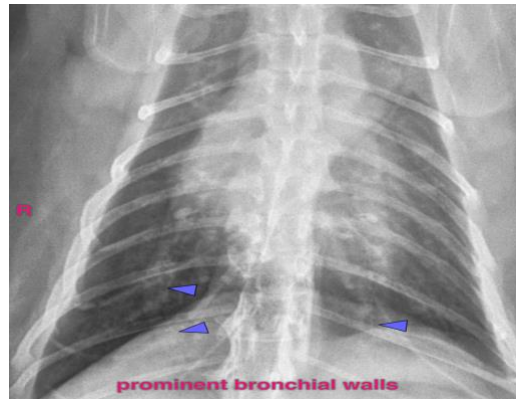
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The thyroid soft tissue mass bilaterally is consistent with primary thyroid neoplasia -thyroid carcinoma is most common. Surgical management via bilateral thyroidectomy appears feasible.

As the volume of the right cranial lung lobe is maintained, the alveolar pattern is concerning for pneumonia.



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.

Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
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