



PATIENT PRESENTING CLINICAL SIGNS

Petey Disanza Large, firm mass effect ventral neck. Mass is approx. 7-8 cm and is movable but semi-affixed. Non painful on palpation.

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, & THORAX

Canine Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED Head & Neck

Chihuahua An approximately 6 cm long and 4 cm wide ill-defined soft tissue attenuating expansile mass of the right thyroid lobe is seen. Multiple superficial vascular anastomoses are noted. Lesion margins are ill-defined. There is a significant mass effect onto the larynx, trachea, esophagus, and hypaxial musculature. No direct infiltration of the trachea or esophagus is seen. The left thyroid lobe presents within normal limits.

SEX

MN

AGE

12 Years

Severe enlargement and rounding of the right retropharyngeal lymph node measuring 2 x 1.5 is seen. The right retropharyngeal lymph node presents heterogeneous enhancement and cavitation similar to the mass of the right thyroid lobe.

The remainder of the regional lymph nodes present within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Multifocal moderate to severe periodontal disease is noted.

Multiple intervertebral disc space narrowing, vertebral endplate sclerosis, and spondylosis deformans are seen throughout the cervical spine.

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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 are uniform and considered within normal limits.

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Herniation of the right atrial auricular appendage is seen in the cranioventral mediastinum. The remainder of the cardiovascular structures present within expected limits.

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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 lung parenchyma presents the expected architecture and attenuation behavior.

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



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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large cavitated expansile mass of the right thyroid lobe.
- Severe right medial retropharyngeal lymphadenomegaly.
- Herniation of the right auricular appendage – incidental finding.
- No evidence of pulmonary metastases.
- Periodontal disease.
- Chronic intervertebral disc disease within the cervical spine.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals an expansile cavitated mass of the right thyroid lobe meeting neoplastic criteria. Thyroid adenocarcinoma is a primary differential diagnosis. Adenoma cannot be ruled out entirely but is thought by far less likely, especially because of the severe enlargement of the right retropharyngeal lymph node which meets metastatic criteria. Fine needle aspiration could be considered in order to confirm the tentative diagnosis of metastatic disease to the regional right retropharyngeal lymph node.

No evidence of pulmonary metastases was found.



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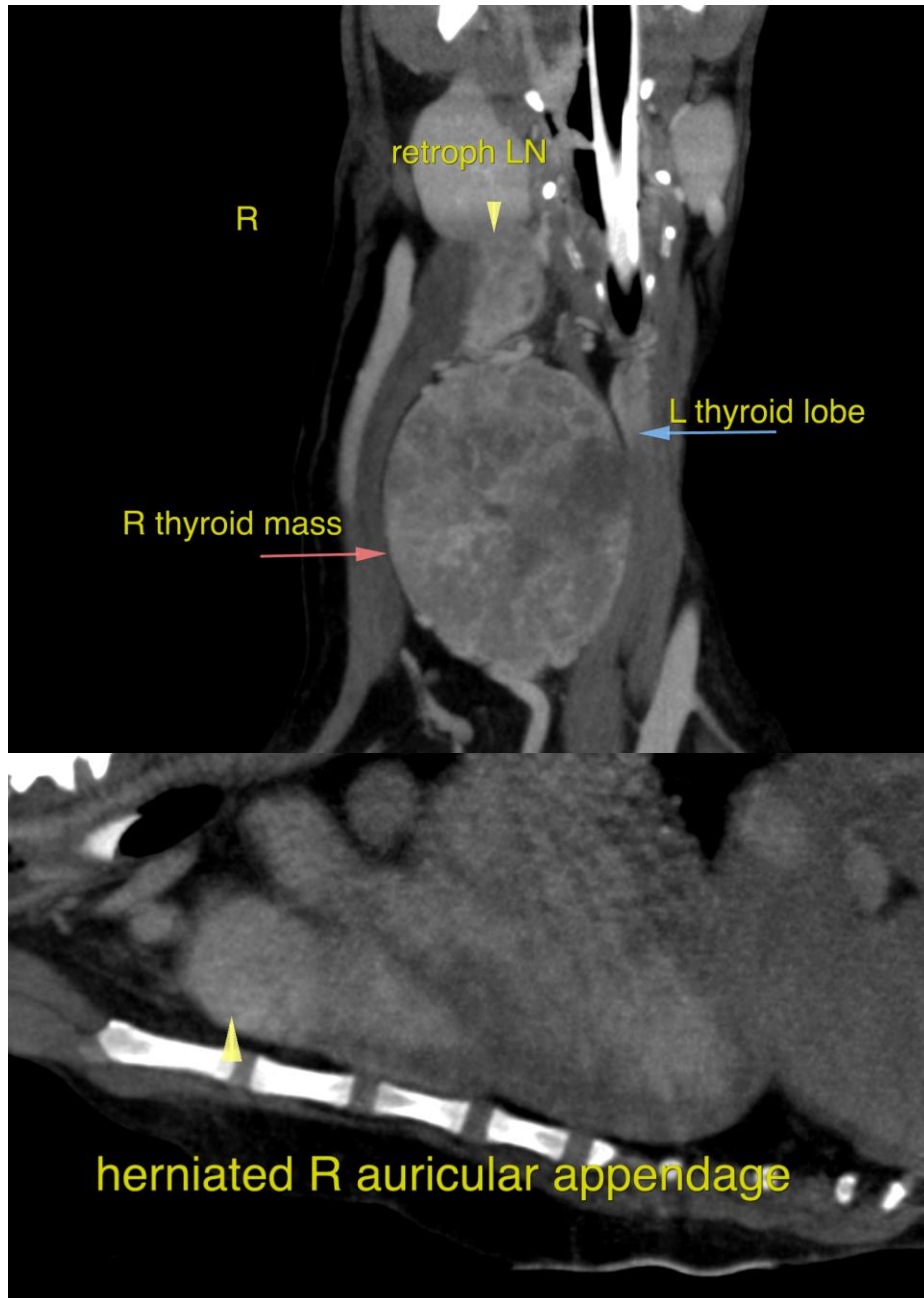
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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