



PATIENT PRESENTING CLINICAL SIGNS

Rascal Brown
 Tennis ball sized Swelling on neck near thyroid gland. No esophageal obstruction, but increased soft tissue structure protruding. Full bw - normal thyroid level, mild elevation of albumin and globulins. Aspirated blood tinged fluid with mucoid viscous fluid. Discussed possible abscess but worried about vital structures. Abscess vs thyroid mass
SPECIES
 Canine
 Abnormal PE/Chem/CBC/UA Results: Elevated Values: Monocytes-1.63 K/uL, Total Protein-8.4 g/dL, Globulin-5.6 g/dL Decreased Values: MCV-61.4 fL, Eosinophils- 0.03 K/uL Total T4 2.5ug/dL Heartworm Negative

BREED COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

Pitbull Mix
 A high resolution pre- and post-contrast CT study of the skull and a post-contrast CT study of the thorax are provided for review.

SEX COMPUTED TOMOGRAPHIC FINDINGS

Neutered Male
Skull

Triadan 311 is absent.

AGE
 7 Years
 The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

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

HOSPITAL NAME
 Neel Veterinary Hospital
 The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

In the region of the left thyroid gland, a large, ill-defined, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is visible, measuring 5.7 x 6.7 x 8.6 cm in size. The mass is merging with the wall of the esophagus, trachea and the laryngeal structures at the same level. Moderate mural thickening of the left aspect of the larynx is seen. The esophagus is displaced dorsally and the trachea to the right by the mass effect.

REFERRING VET
 Dr. Deepan Kishore

INVOICE
 50404
 Level with the right thyroid gland, an ill-defined, mass, presenting the same attenuation and contrast enhancement pattern like the left sided mass is visible. The mass in the region of the right thyroid gland is measuring 1.9 x 1.2 x 6.9 cm in size.

The caudal pole of the left medial retropharyngeal lymph node is prominent and presents a heterogeneous contrast enhancement pattern.

DATE
Thorax

2-17-22
 The bony and surrounding soft tissue structures are within normal limits.



PATIENT

Rascal Brown

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.

SPECIES

Canine

Multifocal throughout the lung parenchyma, variable sized, soft tissue attenuating nodules, measuring up to 2.4 cm in size are seen.

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

BREED

Pitbull Mix

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Mass lesion region of the thyroid gland bilaterally, L>>R, with potential invasion of the larynx
- Lymphadenopathy left medial retropharyngeal lymph node
- Structured nodular interstitial lung pattern

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

7 Years

The findings support the diagnosis of neoplastic transformation of the thyroid glands with local invasive growth into the larynx and possibly the esophageal wall. Secondary metastatic spread to the left medial retropharyngeal lymph node and pulmonary metastasis. Due to the presumed local invasive growth pattern, surgical excision is not feasible and treatment options are limited to palliative management.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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Neel Veterinary
Hospital

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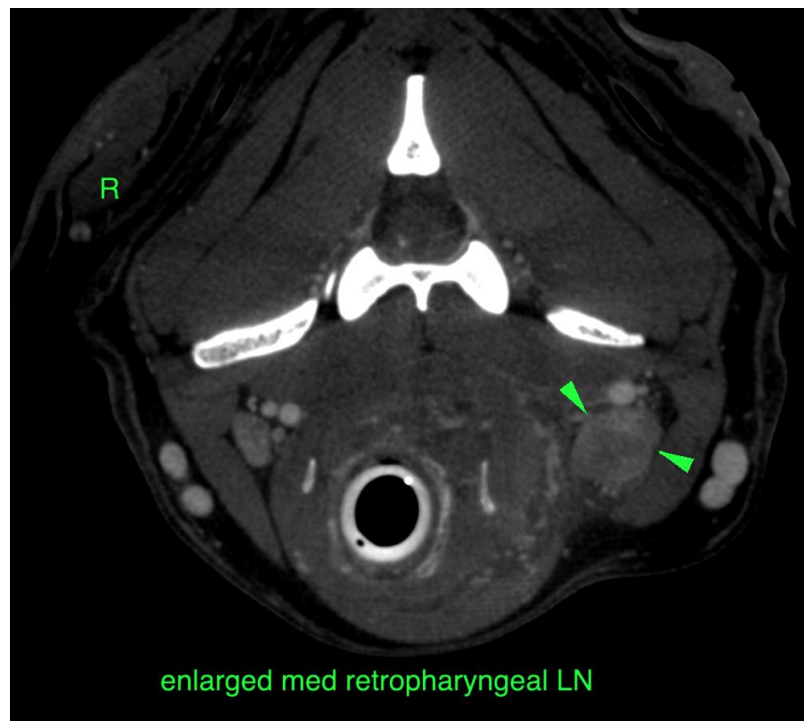
Dr. Deepan Kishore

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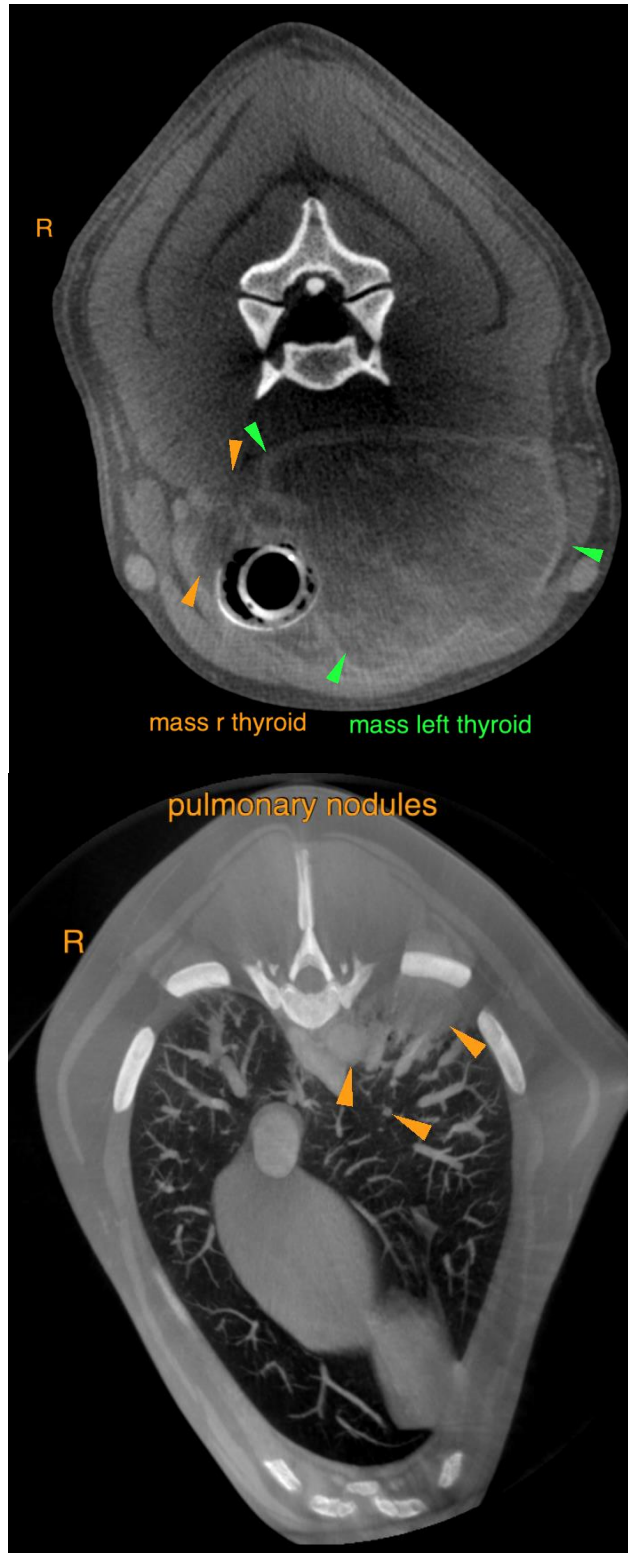
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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