



PATIENT PRESENTING CLINICAL SIGNS

Abby Parks Patient presented for a consultation for a large mass swelling of the right ventral side of her neck. Owner initially noticed the mass 5/18/2020 when Abby had a cystotomy. Owner brought Abby in to the clinic on 8/03/22 at that time the DVM noted an enlarged soft right submandibular lymphnode. Patient BAR, eating and drinking normally.

SPECIES Abnormal PE/Chem/CBC/UA Results: CBC - Lymphocytes 0.74 K/uL Chem - 2.3 mg/dL

Canine

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

BREED Plain and post contrast studies available for review.

Terrier Mix **COMPUTED TOMOGRAPHIC FINDINGS**

Neck

SEX A multiloculated thin walled fluid filled cavitory lesion of 12 x 6 cm is seen in the right ventral neck lateral to the right common carotid artery medial to the right mandibular salivary gland and lateral to the right lobe of the thyroid gland. There is direct contact between the multicystic cavitory lesion and the right mandibular salivary gland as well as the right lobe of the thyroid gland. Leftward deviation of the trachea is noted. A small contrast enhancing tissue component is seen centrally within the otherwise fluid filled cavitory lesion. A faintly mineral attenuating material is seen close to the tissue component in the center of the lesion.

Spayed Female

AGE

9 Years, 4 Months

No evidence of medial retropharyngeal or submandibular lymphadenomegaly is noted.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The right jugular vein is deviated and compressed ventrally.

Head

HOSPITAL NAME

Neel Veterinary Hospital

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

REFERRING VET

Dr. Deepan Kishore

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 auditory meatuses present within normal limits.

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Abdomen

DATE

8-9-22

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

Both kidneys present within normal limits for size, shape and organ architecture. After contrast



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administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

Abby Parks

The adrenal glands are within normal limits for size, shape and organ architecture.

Multiple variably sized hyperenhancing nodules are seen throughout the splenic parenchyma.

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The liver presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

A moderate amount of hyperattenuating sediment is seen within the gallbladder.

BREED

Terrier Mix

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

SEX

Spayed Female

The bony and surrounding soft tissue structures reveal no abnormalities.

Thorax

AGE

9 Years, 4 Months

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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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.

HOSPITAL NAME

Neel Veterinary
Hospital

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.

REFERRING VET

Dr. Deepan Kishore

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large multicystic cavitory lesion in the right ventral neck.
- Splenic nodules.
- Gallbladder sludge.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

8-9-22

A large multicystic fluid filled cavitory lesion is seen in the right ventral neck. The cavitory lesion appears to be separate from the thyroid gland. Close contact to the mandibular salivary gland is noted and mandibular salivary gland sialocele is one primary differential diagnosis. The tissue component and mineral components may represent vascularized septations, remnants of salivary gland tissue, and emerging sialolith. Thyroidal cyst is a potential but less likely differential



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Abby Parks

diagnosis. The findings are not typical for an abscess. Tumor with central tumoral necrosis cannot be ruled out entirely but is thought highly unlikely based on the CT findings.

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Differential diagnosis for the splenic nodules includes extramedullary hematopoiesis, benign nodular hyperplasia, and secondary neoplastic infiltrate which, however, is thought less likely. Fine needle aspiration could be considered for further definition.

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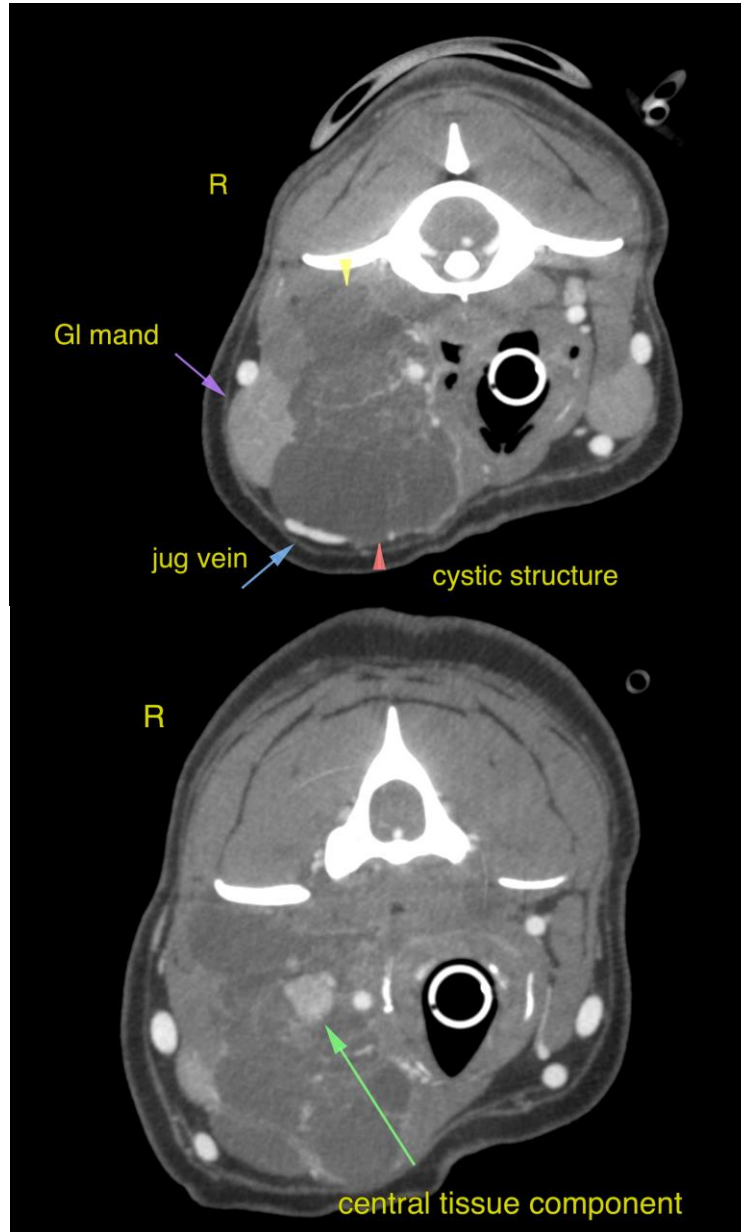
Dr. Deepan Kishore

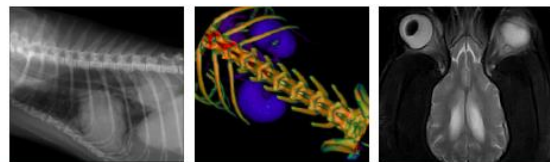
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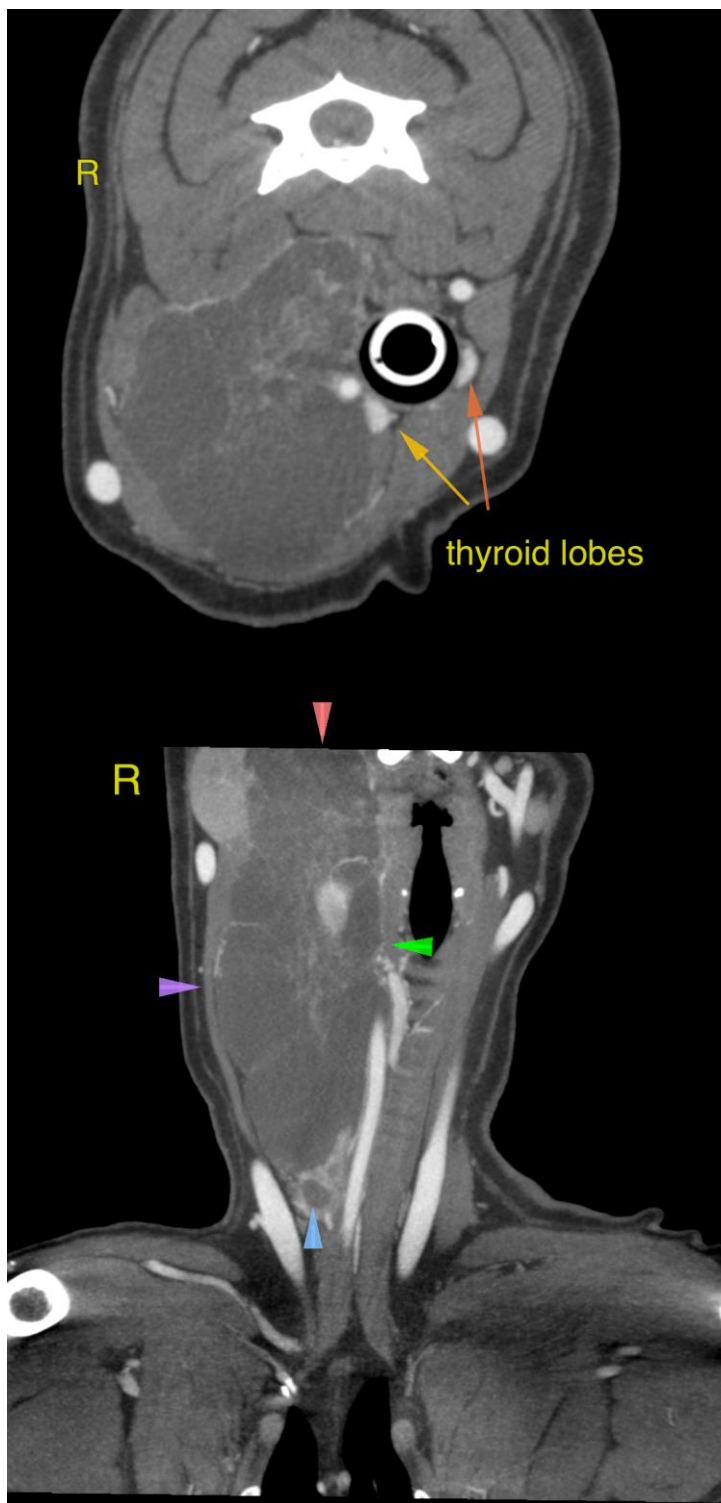
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Abby Parks

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

Terrier Mix

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