



**PATIENT PRESENTING CLINICAL SIGNS**

Travis Valle Mediastinal mass (Thymic?), spleen masses. renal asymmetry

**COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

**SPECIES** A high resolution pre- and post-contrast CT study of the thorax and abdomen is provided for review.

Canine **COMPUTED TOMOGRAPHIC FINDINGS**

Thorax

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

Retriever Mix In the cranioventral mediastinum, a well-defined, ovoid, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is seen, measuring 5.7 x 5.6 x 10.3 cm in size. The mass is extending caudally along the left cranio-lateral aspect of the heart. The right axillary, sternal, cranial mediastinal and tracheobronchial lymph nodes are moderately enlarged and rounded and have a heterogeneous contrast enhancement pattern.

**SEX**

Neutered Male The cardiovascular structures including the pulmonary vasculature are within normal limits.

**AGE**

5.7 Years 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 mild decreased volume with regions of dystelectasis of the lung parenchyma. Multifocal punctuate mineralization of the lung parenchyma is appreciated.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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

Abdomen

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

Generalized enlargement of the peritoneal and retroperitoneal – including the inguinal and popliteal – lymph nodes is appreciated.

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Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

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

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

The spleen presents an irregular shape with multiple parenchymal nodular splenic lesions, causing convex bulging of the splenic capsule.

**DATE**

11-2-22

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

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



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

Travis Valle

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**SPECIES**

Canine

- Cranioventral mediastinal mass
- Lymphadenopathy right axillary, cranial mediastinal, sternal and tracheobronchial lymph nodes
- Generalized lymphadenopathy of the intra- and extraabdominal lymph nodes
- Splenic nodular enlargement

**BREED**

Retriever Mix

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The generalized lymphadenopathy, splenic nodular enlargement and cranioventral mediastinal mass are highly suggestive for diffuse neoplastic infiltration and the top differential is underlying round cell tumor (e.g. lymphoma). If not done so yet, FNA sampling is advised to confirm the diagnosis.

**SEX**

Neutered Male

**AGE**

5.7 Years

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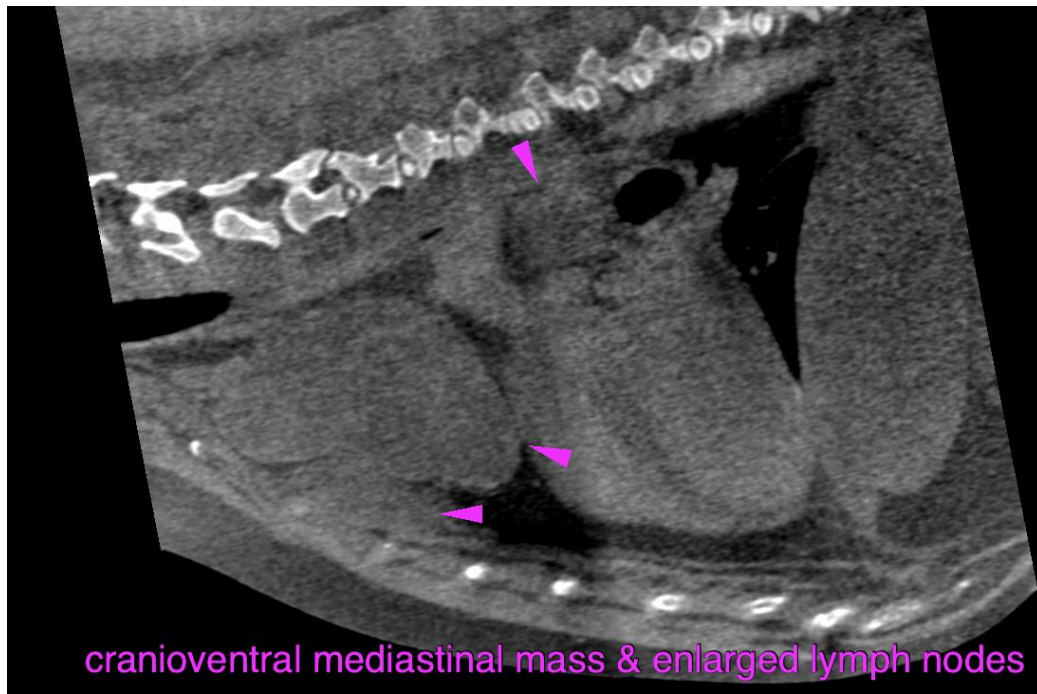
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**PATIENT**

Travis Valle

**SPECIES**

Canine

**BREED**

Retriever Mix

**SEX**

Neutered Male

**AGE**

5.7 Years

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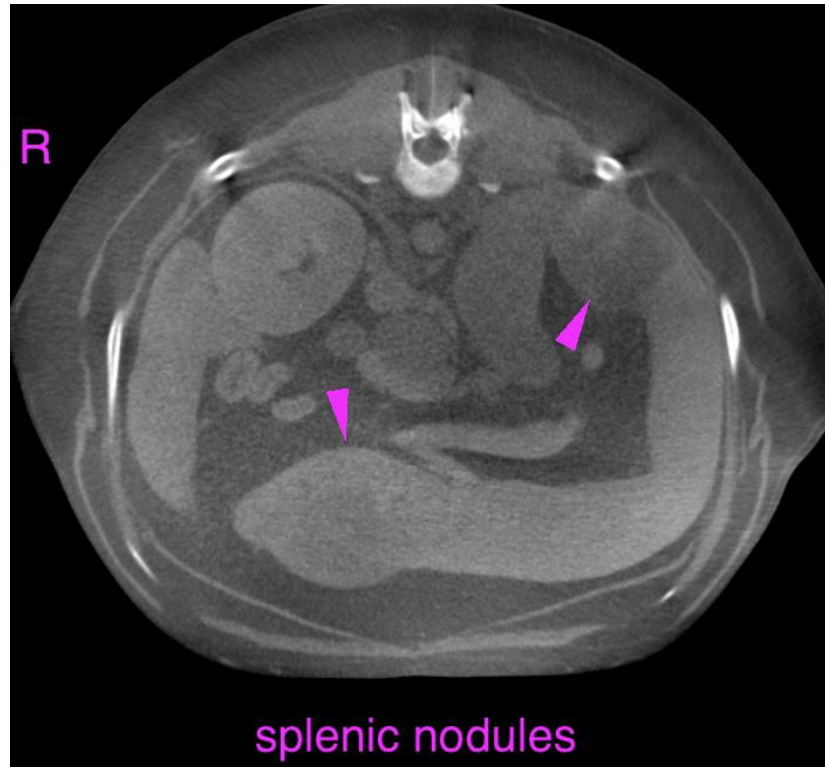
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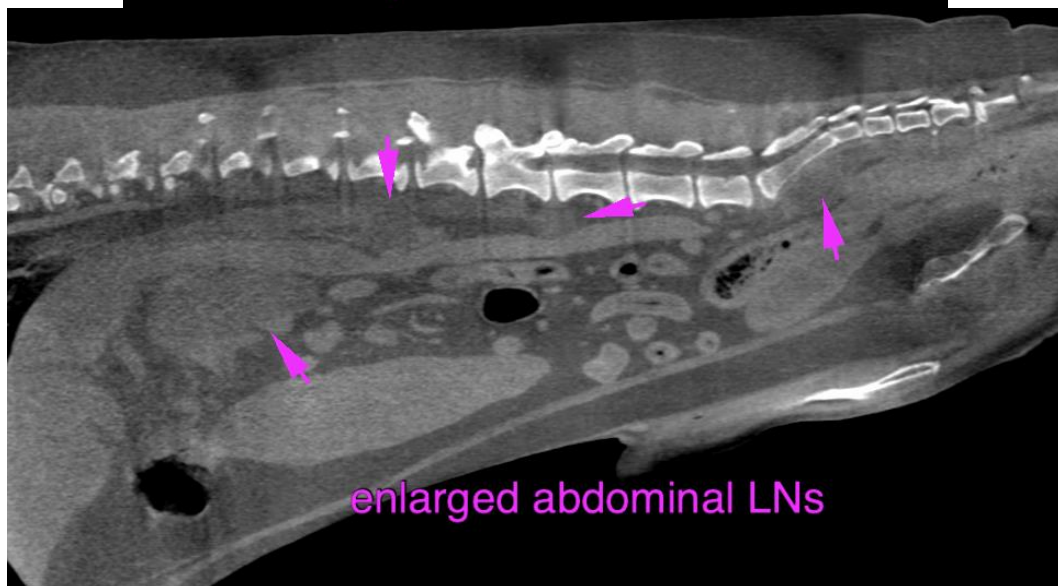
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splenic nodules



enlarged abdominal LNs



**PATIENT**

Travis Valle

**SPECIES**

Canine

**BREED**

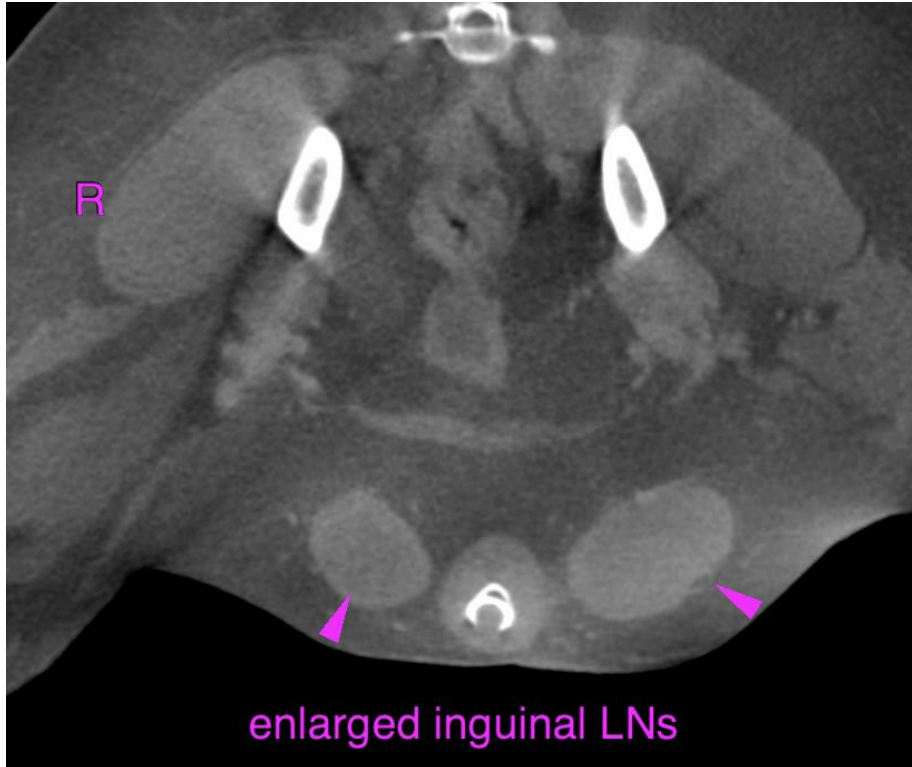
Retriever Mix

**SEX**

Neutered Male

**AGE**

5.7 Years



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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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com

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