



**PATIENT PRESENTING CLINICAL SIGNS**

Holly Vega History: Recently diagnosed with lymphoma. Owner requested CT scan before oncology consult on Friday.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Generalized lymphadenopathy

Canine **COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN**

**BREED** A high resolution pre- and post-contrast CT study of the abdomen and a post-contrast CT study of the thorax are provided for review.

Golden Retriever **COMPUTED TOMOGRAPHIC FINDINGS**

**SEX Thorax:**

Spayed Female The axillary lymph nodes bilaterally are moderately enlarged, uniform soft tissue attenuating and contrast enhancing.

**AGE**

6 Years

The sternal and cranial mediastinal lymph nodes are prominent, 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.

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

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 volume of the lung is mildly decreased and the lung parenchyma has a moderate ground glass attenuation of the caudodorsal aspects.

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

**Abdomen:**

**REFERRING VET**

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

**INVOICE**

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Generalized enlargement of all mesenteric, hypogastric and inguinal lymph nodes is visible. The short-to-long-axis ratio of the respective lymph nodes is increased and equals 0.5.

The right kidney presents a moderately decreased volume and mild irregular margins. The left kidney has the expected size and shape. Post contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

**DATE**

8/18/21



**PATIENT**

Holly Vega

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

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

**SPECIES**

Canine

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

**BREED**

Golden Retriever

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

The bony and surrounding soft tissue structures reveal no abnormalities.

**SEX**

Spayed Female

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Generalized lymphadenopathy axillary, cranial mediastinal, sternal, mesenteric, hypogastric and inguinal lymph nodes
- Mild to moderate unstructured interstitial lung pattern with reduced lung volume
- Chronic nephropathy right kidney

**AGE**

6 Years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The generalized lymphadenopathy of nearly all pictured lymph nodes is fitting the history of lymphoma. The unstructured interstitial lung pattern is considered secondary to hypoinflation of the lung, although lymphoma can cause an interstitial pattern as well. FNA sampling of the liver and spleen might be considered for further staging.

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DVM Dr. med. vet.  
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The renal changes seen are likely a sequela to chronic nephritis and interstitial as well as glomerulonephritis are considerations.

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No additional clinically relevant abnormalities are appreciated.

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**PATIENT**

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**SPECIES**

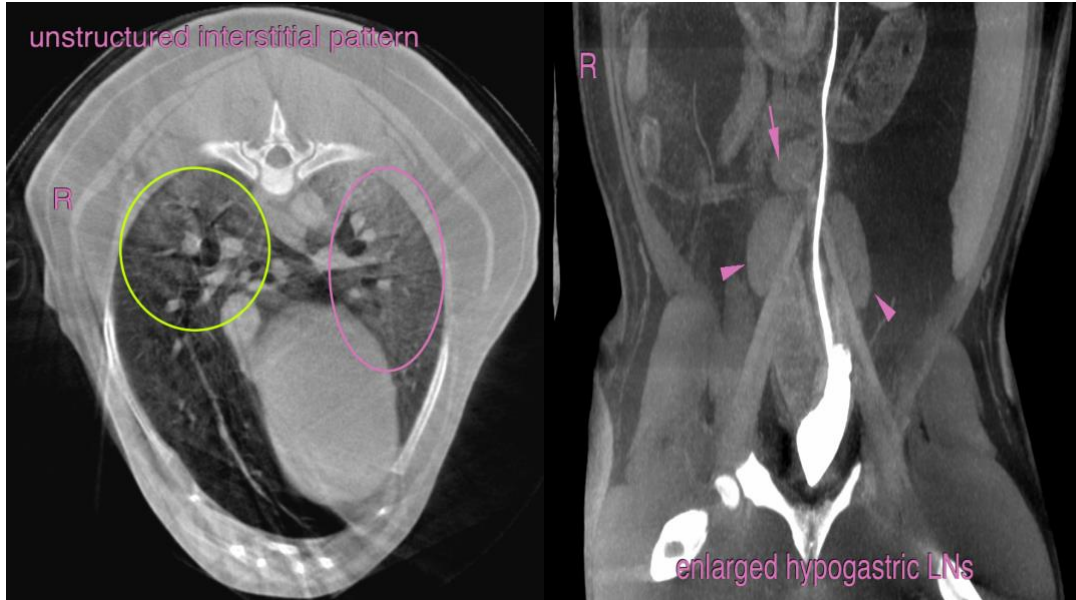
Canine

**BREED**

Golden Retriever

**SEX**

Spayed Female



**AGE**

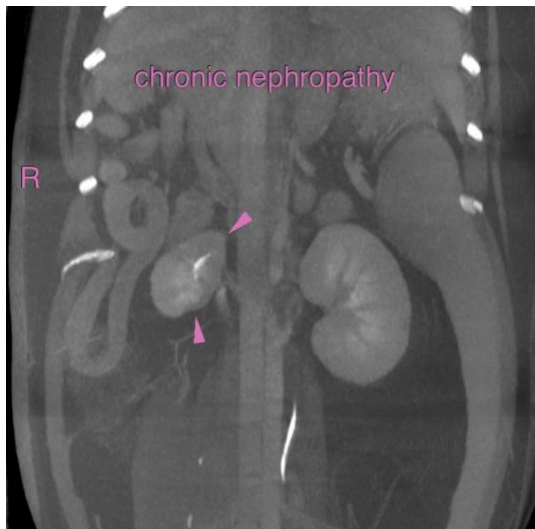
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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**SPECIES**

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