



**PATIENT PRESENTING CLINICAL SIGNS**

Smalls Stanford Pet is vomiting, lethargic and losing weight.

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN**

**SPECIES**  
Canine Plain and post-contrast studies of the abdomen and post-contrast study of the thorax available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED Abdomen**

French Bulldog Moderately reduced serosal detail and moderate peritoneal effusion are seen.

**SEX**  
IM There are multiple mesenteric and parietal lymphadenomegaly ranging between moderate to severe throughout the entire abdomen with the lymph nodes at the mesenteric root being particularly enlarged, ill-defined, and measuring up to 3 cm in diameter for the individual nodes and approximately 10 x 6cm for the mass altogether. Occasional mineralization within the enlarged lymph nodes is seen. The margins of the individual lymph nodes blend into each other as well as into the left renal sinus.

**AGE**  
1 Years The left ureter appears to be compromised and partially dilated. Severe left hand sided hydronephrosis with a nearly absent nephrogram and lacking pyelogram is seen. The right ureter is patent. Multiple up to 2 cm sized round hypoattenuating poorly enhancing structures are seen throughout the right renal parenchyma with distortion of the regular renal architecture. However, a nephrogram and pyelogram are partially maintained for the right kidney.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

The adrenal glands cannot be differentiated from the multiple ill-defined and enlarged lymph nodes at the mesenteric root and circumferential to the aorta and caudal vena cava.

Mild generalized splenic enlargement with mild scalloping of the splenic margins is seen.

The liver and gallbladder present within normal limits.

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Mobile Pet Imaging  
CFL

The pancreas presents within normal limits.

**Thorax**

T3 and T5 present as congenital hemivertebrae.

**REFERRING VET**

Xavier Meaux

The cranial mediastinal lymph nodes are enlarged, rounded, ill-defined, and measure up to 2.5 cm in diameter.

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

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57675

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.

**DATE**

4-6-23



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

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**SPECIES**

Canine

- Multiple severe abdominal lymphadenomegaly with mass effect and infiltration of the left renal sinus.
- Hydronephrosis of the left kidney.
- Multiple hypoattenuating nodules of the right kidney.
- Mild splenomegaly.
- Moderate ascites.
- Moderate to severe cranial mediastinal lymphadenomegaly.

**BREED**

French Bulldog

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

IM

The CT findings strongly support the presence of multicentric round cell neoplasia involving all abdominal lymph nodes, the cranial mediastinal lymph nodes, and infiltrating the left kidney. The multiple round hypoattenuating structures of the right kidney may represent nodular lymphomatous infiltrate and less likely cysts. Severe hydronephrosis of the left kidney with compromise of the left renal function is noted secondary to infiltration of the left renal sinus.

**AGE**

1 Years

The splenic enlargement may represent uncomplicated congestion under general anesthesia, however, round cell infiltrate is a potential too. Further definition by means of sampling of the abdominal and mediastinal lymph nodes and spleen is recommended if not performed already.

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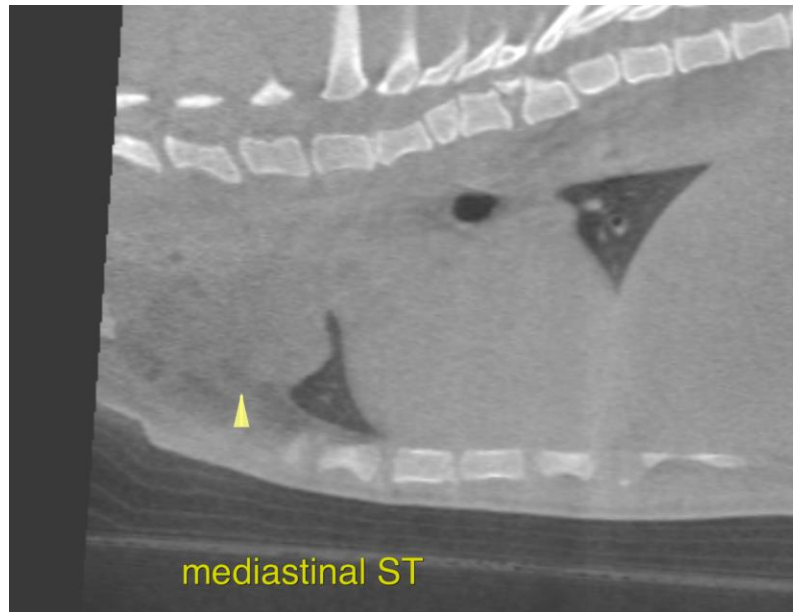
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**PATIENT**

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**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

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**AGE**

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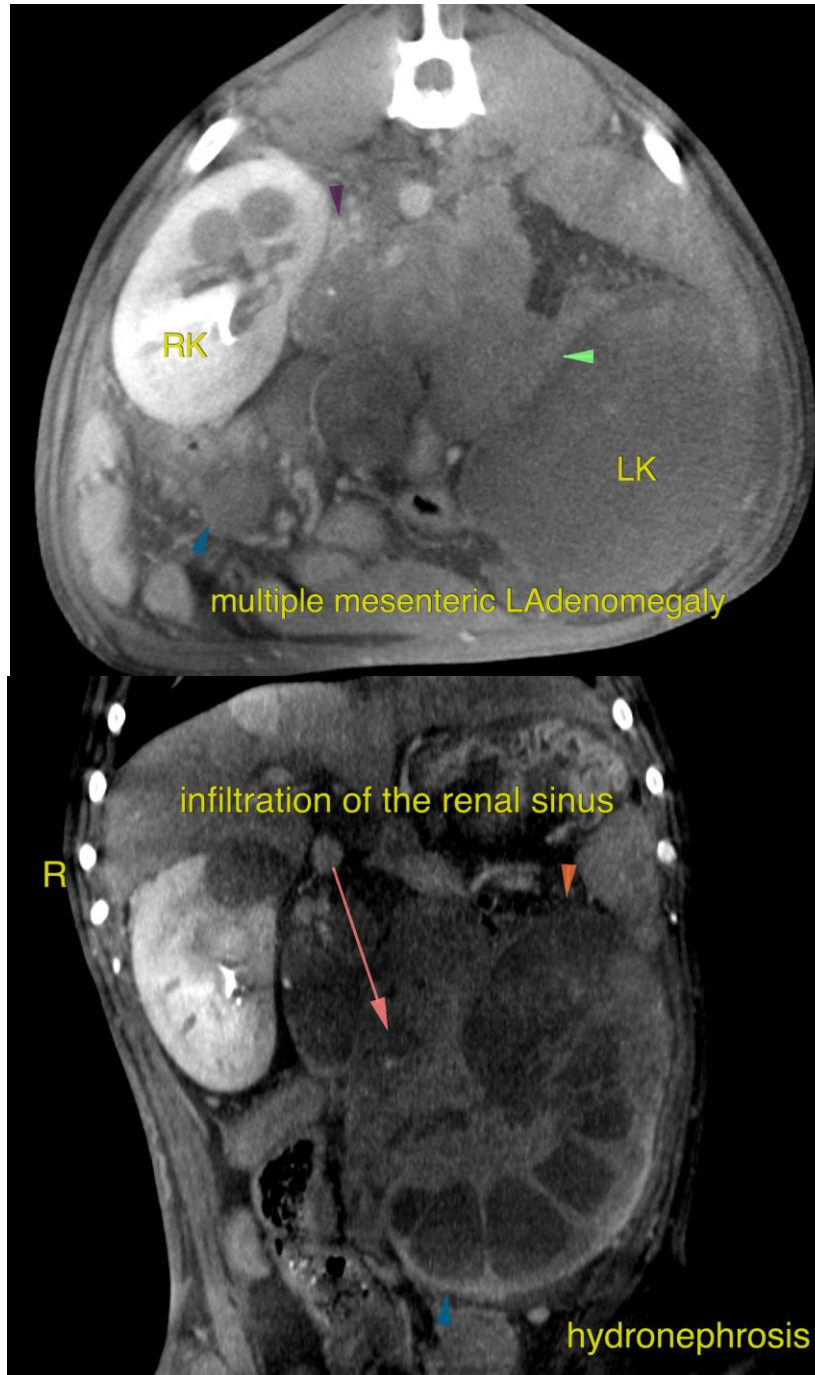
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**PATIENT**

Smalls Stanford

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.

**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**

French Bulldog

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**SEX**

IM

**AGE**

1 Years

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