



PATIENT PRESENTING CLINICAL SIGNS

Remy Greggo Renal mass noted on ultrasound, second mass noted cranial to kidney.

SPECIES COMPUTED TOMOGRAPHIC STUDY OF ABDOMEN

Canine A high-resolution pre- and post-contrast CT study of the abdomen are provided for review. Two post-contrast CT series are evaluated.

BREED COMPUTED TOMOGRAPHIC FINDINGS

French Bulldog The left kidney is severely enlarged in size with abnormal shape, and mildly irregular in contour. A large hypoattenuating and heterogeneous mass is seen in the dorsal portion (cortical and medullary), affecting the cranial and caudal pole. The mass presents mild enhancement in the post-contrast series. The mass expands the cortical and renal capsule and compresses the renal pelvis moderately; a small focus of mineralization is seen within the mass. The mass measures approximately 4.1cm x 4.0cm x 6.6cm. The left renal pelvis/diverticula are partially distorted in the dorsal portion; however, the ureter is normal in size and insertion. The left kidney measures 7.8cm in length.

SEX

Spayed Female

The right kidney is absent.

AGE

5 Years

Multiple rounded and oval shaped enlarged lymph nodes are visible in the lumbar center. They are seen adjacently in the aorta and cauda vena cava and correspond with the renal lymph nodes. In addition, the splenic and gastric lymph nodes are enlarged. The enlarged lymph nodes are predominately hypoattenuating and heterogeneous in the post-contrast series.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

Due to the above-described renal enlarged lymph nodes, the left adrenal gland is not clearly defined, consider possible enlarged adrenal mass.

The retroperitoneal fat appearance is normal.

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The urinary bladder is mildly filled, with the apex in the plane of L7, and is homogeneously soft tissue opaque.

The spleen is severely enlarged with abnormal shape and diffusely inhomogeneous. A partially separated mass effect is seen in the splenic head that could correspond to an abnormal accessory spleen.

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The liver is homogeneously soft tissue attenuating and uniformly contrast enhancing with normal size and shape. The gallbladder is unremarkable.

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The stomach is moderately filled and normally positioned, containing gas admixed with heterogeneous soft tissue attenuating material – ingesta.

The duodenum and small intestine are nondilated and contain a minimal amount of fluid attenuating material and gas.

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The colon and rectum contain gas admixed with heterogeneously soft tissue attenuating fecal material.



PATIENT The pancreas and mesentery are normal.

Remy Greggo The visible adrenal glands are normal.

SPECIES The T10 throughout T13 vertebral bodies are variably wedge shaped with spondylosis deformans and narrowing of the intervertebral disc spaces with dorsal undulation to the spine.

Canine The L7-S1 disc space is mildly narrowed with incomplete bridging spondylosis deformans.

The remainder of the abdomen is normal.

BREED The collimated thorax is normal.

French Bulldog

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX • Left kidney mass, correspondent enlarged aortic lymph nodes, left adrenal gland mass, and severe splenomegaly. Differential diagnosis includes neoplastic process, lymphoma, hemangiosarcoma, or carcinoma.

Spayed Female

• Gastric and splenic lymphadenopathy – multicentric neoplasia, or metastatic.

• Unilateral right side kidney agenesis

AGE

• Multiple congenital vertebral anomalies, associated chronic disc disease, spondylosis deformans, and kyphosis, commonly seen in this breed.

5 Years

• L7-S1 spondylosis deformans, lumbosacral instability.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The abdominal tomographic findings are correspondent to the abdominal ultrasonographic findings. The abdominal mass noted in the cranial left kidney likely corresponds to the severe enlarged aortic lymph nodes, left adrenal gland mass, and abnormally shaped accessory splenic head mass effect. Fine needle aspirates of the left kidney, spleen, and, if attainable, the aortic lymph nodes is suggested for further approach, and to confirm the diagnosis.

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Other less likely differential diagnosis for the splenomegaly includes splenic lymphoid hyperplasia or extramedullary hematopoiesis.

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PATIENT

Remy Greggo

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

5 Years

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HOSPITAL NAME

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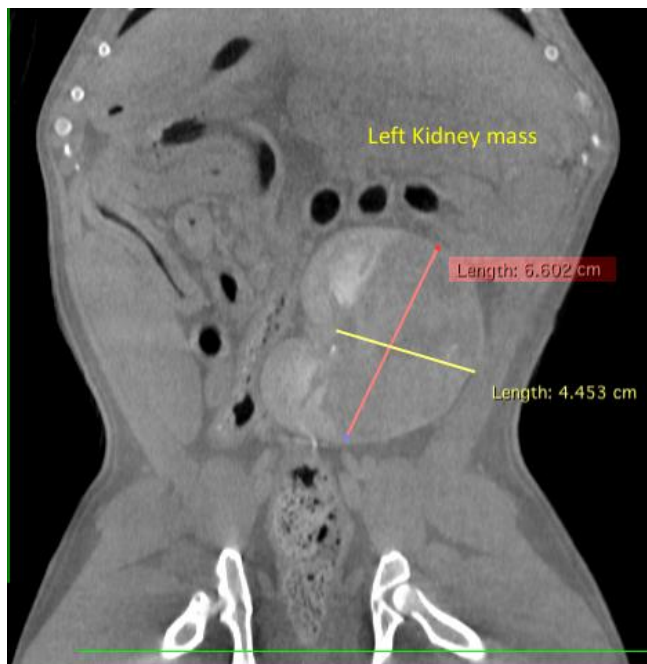
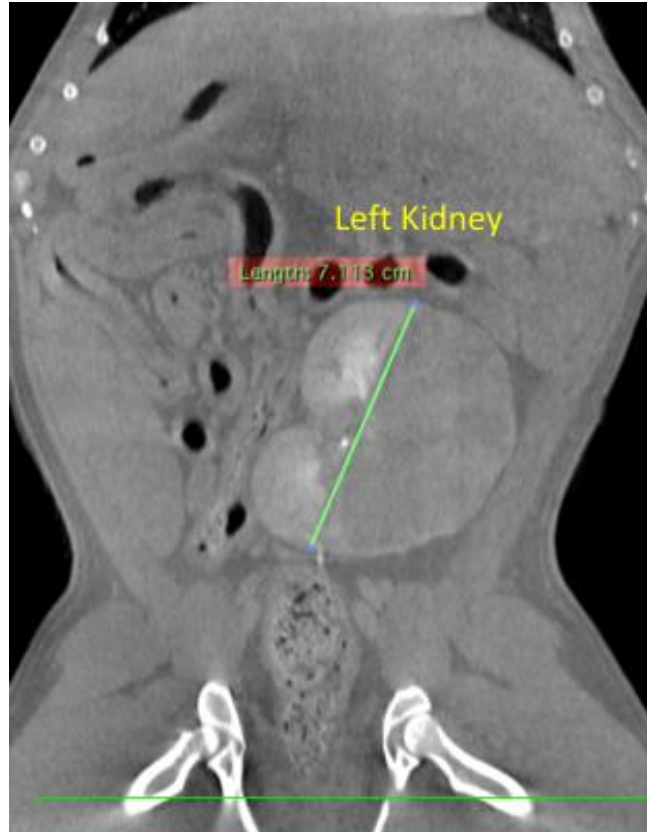
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PATIENT

Remy Greggo

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

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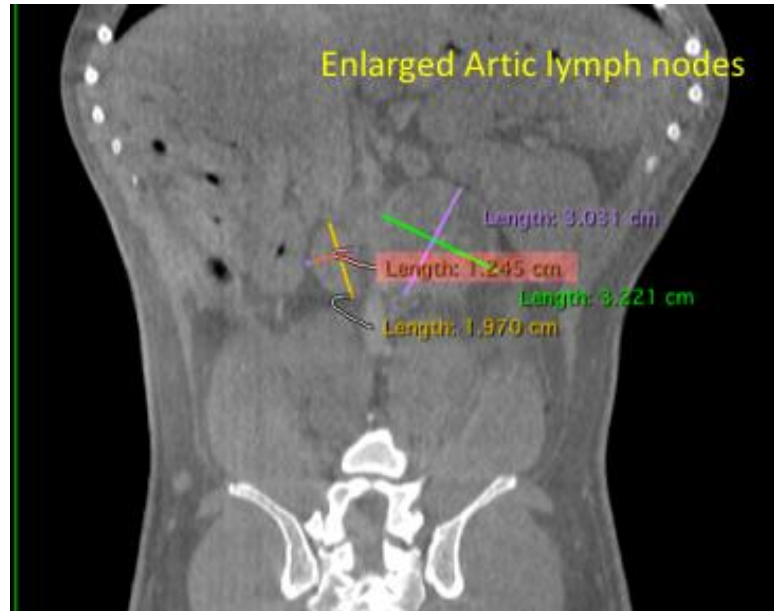
Meaux

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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.

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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