



**PATIENT**

Tator Daniels

**PRESENTING CLINICAL SIGNS**

Presented for a history of intermittent hematuria for the past 2 years. Imaging shows a left renal mass. Doing ok otherwise.  
Abnormal PE/Chem/CBC/UA Results: Normal

**SPECIES**

Canine

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

Plain and post-contrast studies of the abdomen and a post-contrast study only of the thorax as well as a partial study of the head available for review.

**BREED**

Bulldog Mix

Thoracic and abdominal read requested.

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

MN

**Abdomen**

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

**AGE**

7

The left kidney is enlarged and distorted with severe pyelectasia. Overall length of the left kidney is approximately 10.0 cm. The left renal pelvis is dilated at 3.5 cm. Asymmetric distortion of the renal pelvis and renal medulla by hypoattenuating cavitory lesion with mild nonuniform contrast enhancement and mass effect is seen.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The left ureter is dilated throughout its entire length; however, the degree of dilation reduces in a craniocaudal direction. No evidence of obstructive pathology is seen. There is no evidence of calculi or masses throughout the lower urinary tract.

Mild symmetric prostatic enlargement is noted which may well be within normal limits for a neutered male.

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Northeast Veterinary  
Referral Hospital

The urinary bladder presents moderately distended with uniformly fluid attenuating material. No wall lesions are seen.

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

**REFERRING VET**

Dr. Runde

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

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

**INVOICE**

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

**DATE**

9-23-21

**Thorax**

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

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a

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normal short-to-long-axis-ratio is  $< 0.5$ , the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

Tator Daniels

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

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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.

Canine

The lung parenchyma presents the expected architecture and attenuation behavior.

**BREED**

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

Bulldog Mix

**COMPUTED TOMOGRAPHIC DIAGNOSIS****SEX**

- Severe left renomegaly and pyelectasia with cavitory space occupying lesion within the renal pelvis and medulla.
- Generalized left hydroureter.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are suggestive for left renal neoplasia causing obstruction and dilation of the renal pelvis. However, non-neoplastic pathology such as hematoma, granuloma, or abscess/pyonephrosis cannot be ruled out entirely and further definition by means of sampling is recommended.

**INTERPRETED BY**

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Samples should be obtained under ultrasonographic guidance using Doppler ultrasound in advance and ultrasound to target both the fluid as well as the tissue in order to obtain representative samples.

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There was no evidence of pulmonary metastatic disease.

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Referral Hospital

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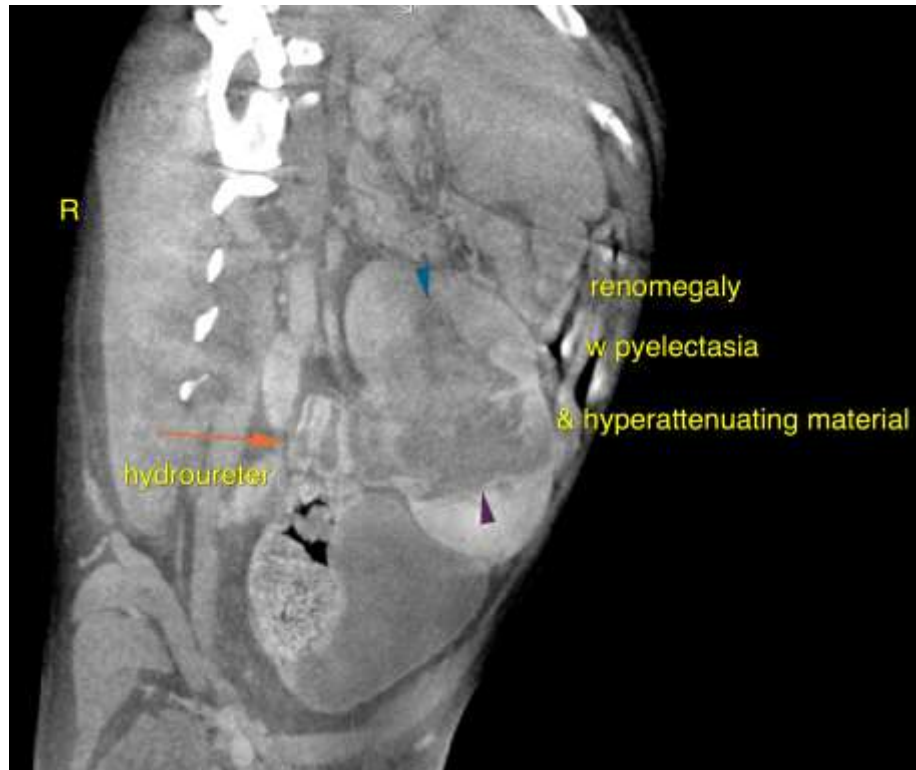
Dr. Runde

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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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