



**PATIENT**

Beans Lalor

**PRESENTING CLINICAL SIGNS**

Beans presented for urinating blood, ultrasound found right kidney irregular shape first noted november 2021

**SPECIES**

Canine

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

Plain and multiple post-contrast studies available for review.

**BREED**

French Bulldog

**COMPUTED TOMOGRAPHIC FINDINGS**

**Abdomen**

Unfortunately, there is a lot of beam hardening streak interference in the cranial and mid abdomen; however, an irregular shaped ill defined 6.0 x 8.0 cm sized soft tissue attenuating mass with heterogeneous enhancement is seen in the retroperitoneal space to the right of the midline. Lesion margins are ill defined, and the mass cannot be delineated from the right kidney and ureteral margins entirely. The mass invades and expands the caudal vena cava level with and caudal of the portal hilus over a distance of at least 3.0 cm.

**SEX**

MN

**AGE**

12 Years

The right kidney presents enlargement, severe pyelectasia, and extensive loss of cortical and renal parenchyma. The proximal right ureter appears to be dilated and the mid ureter cannot be delineated from the retroperitoneal mass. The left kidney present within normal limits.

The left and right adrenal glands are not clearly seen.

No overt abnormalities of the liver and spleen are noted.

The gallbladder appears to be severely distended with a small amount of mineral attenuating sediment and a large amount of fluid attenuating content.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Surgical  
Center

Moderate coxofemoral joint osteoarthritis is noted on both sides.

**Thorax**

The lung and bronchial tree present within age related normal limits. Moderate atelectatic changes of the lung are seen. There is no evidence of interstitial nodules or masses.

**REFERRING VET**

New Hyde Park  
Animal Hospital

No evidence of mediastinal lymphadenomegaly is noted.

Redundancy of the precardial esophagus is noted and considered a normal variant.

Multiple congenital vertebral malformation is noted within the mid and caudal thoracic spine.

**INVOICE**

51050

Hyperattenuating disc material is present within the ventral epidural space between L6 and L7, L5 and L6, T13/L1, T11/12

**DATE**

3-18-22



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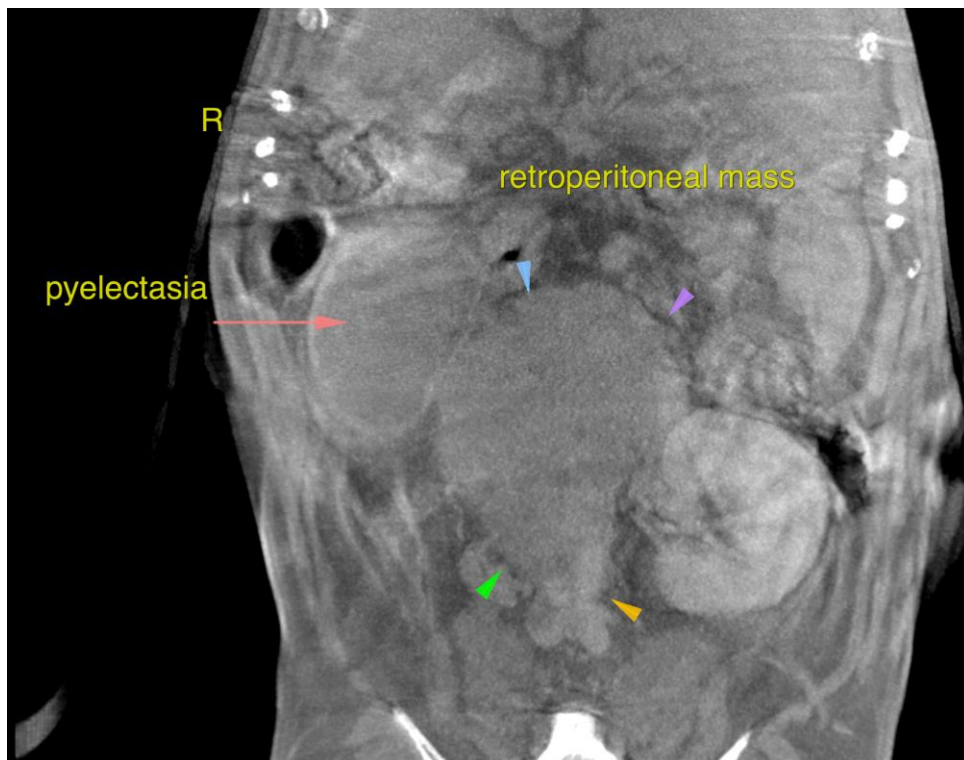
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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Large retroperitoneal mass with aggressive biological behavior and invasion of the caudal vena cava.
- Right ureteral obstruction with hydroureter and hydronephrosis.
- Biliary microlithiasis.
- Multiple congenital vertebral malformation.
- Multifocal mild chronic intervertebral disc extrusions.
- Moderate bilateral coxofemoral joint osteoarthritis.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals a large soft tissue mass with aggressive biological behavior within the retroperitoneal space. The mass causes obstruction of the right ureter and right sided hydronephrosis. The mass also presents extensive invasion of the caudal vena cava. Right adrenal gland origin with the differential diagnosis of pheochromocytoma and adenocarcinoma is considered by far most likely. Left adrenal origin, renal origin, and other retroperitoneal soft tissue mass including hemangiosarcoma cannot be ruled out entirely but is thought by far less likely. The vascular invasion appears to be extensive and limits the resectability of the mass.





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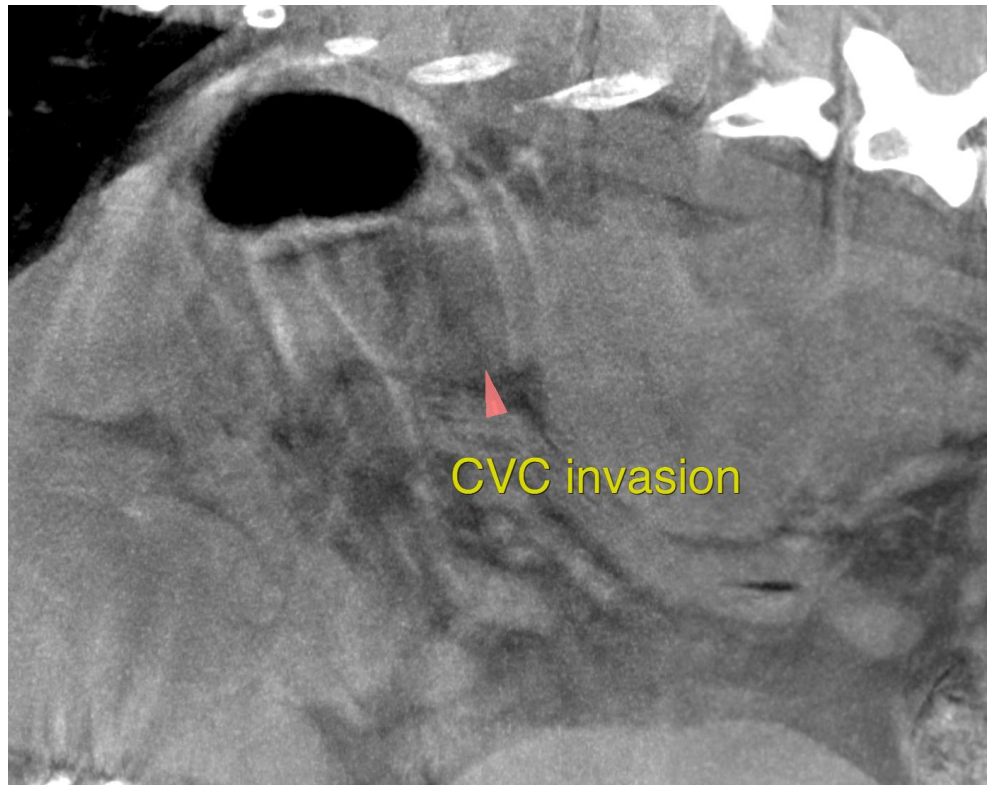
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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