



**PATIENT PRESENTING CLINICAL SIGNS**

Doc Di-Natale History: Elevated creatinine and urea. Enlarged kidney or possible tumor on radiographs. Lethargic. No current meds.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Elevated Urea and Creatinine. Low platelets.

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

**BREED**

Domestic Shorthair

The urinary bladder is mildly distended. The wall is normal in thickness with a smooth mucosal surface. Luminal contents are mostly anechoic. No cystic calculi are observed. The region of the trigone is normal.

**SEX**

Male Neutered

The left kidney is enlarged (5.28 cm in length) with a normal shape and smooth peripheral contours. There is a normal 1:3 cortex to medulla ratio with moderate loss of corticomedullary distinction. Moderate to severe pyelectasia is present (1.37 cm in the transverse plane). A linear focus of mineralization is observed at the lateral aspect of the renal pelvis. There is no evidence of hydroureter. Renal vasculature is normal. The mesentery surrounding the kidney is hyperechoic.

**AGE**

11 Years

The right kidney is normal size (3.21 cm in length) with a slightly irregular shape. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. Hyperechoic shadowing diverticular foci are visualized. There is a questionable cortical infarct at the lateral aspect. There is no evidence of pyelectasia or hydroureter. Renal vasculature is normal. The mesentery surrounding the kidney is hyperechoic.

**WEIGHT**

10.2 lbs.

*Adrenal Glands*

The left adrenal gland is normal size (0.39 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

**INTERPRETED BY**

The region of the right adrenal gland is evaluated. No obvious pathology is observed.

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

*Spleen*

The spleen is normal in size (1.04 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

**IMAGING PERFORMED BY**

Crystal Hill

*Liver*

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

**HOSPITAL NAME**

Royal Veterinary  
Hospital

*Gastrointestinal*

**REFERRING VET**

Dr. Jaffery

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is minimally fluid-distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

**INVOICE**

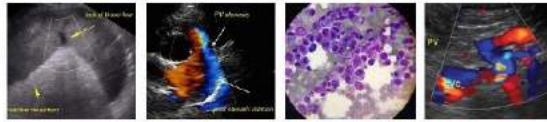
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*Pancreas*

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

**DATE**

9/3/21



**PATIENT**

Doc Di-Natale

**Free Abdomen**

There is no evidence of free fluid. The abdominal lymph nodes are normal/not visible.

**SPECIES**

Feline

**ULTRASONOGRAPHIC FINDINGS**

- The left renal changes could be consistent with pyelonephritis, infiltrative neoplasia (i.e., lymphoma) or a proximal ureteral obstruction (less likely, given the lack of hydroureter). Bilateral, age-related renal pathology is present. Retroperitonitis, likely secondary to renal pathology.

**BREED**

Domestic Shorthair

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Urine culture and sensitivity.
- Baseline blood pressure measurement.
- +/- fine needle aspirate of the left kidney, if blood pressure and clotting statuses are normal.
- Three-view thoracic radiographs are recommended to assess cardiopulmonary status, particularly if IV fluids are being administered.
- Supportive care for acute on chronic renal failure/pyelonephritis is recommended while awaiting test results.

**SEX**

Male Neutered

**AGE**

11 Years

**WEIGHT**

10.2 lbs.

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Crystal Hill



**HOSPITAL NAME**

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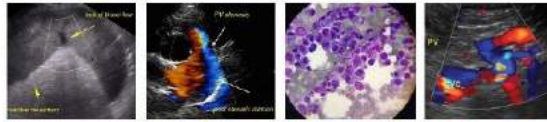
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**PATIENT**

Doc Di-Natale

**SPECIES**

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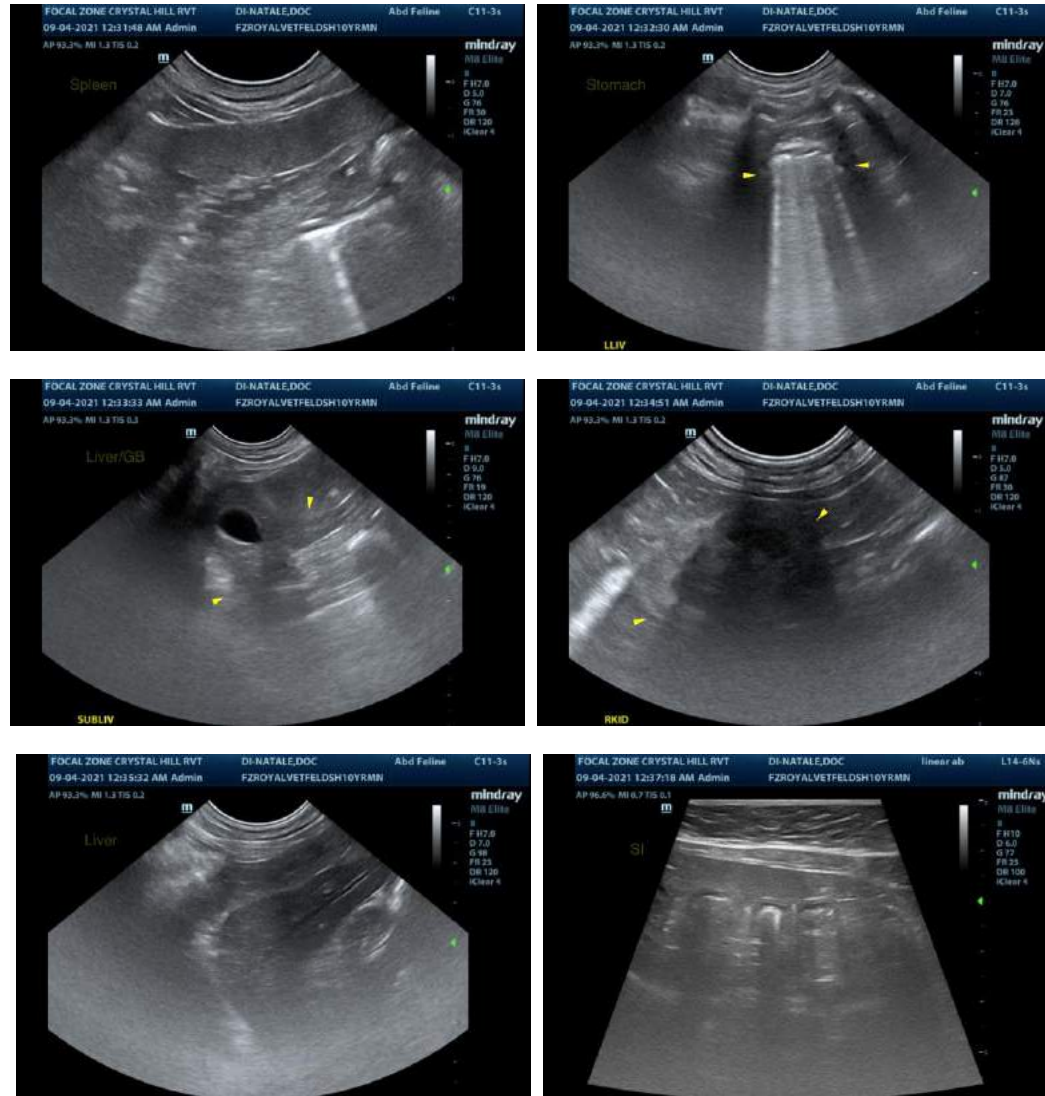
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**DATE**

9/3/21



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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