



PATIENT PRESENTING CLINICAL SIGNS

Astro Smith History: Patient presents for inappetance and acute renal failure, indoor only. Felv/Fiv (neg), owner reports contact with spider on Thurs. 6/9/22. Pyrexia 104.3. Treated with Dexamethasone 0.3 mls IM on 6/15 and Convenia 0.5 mls SQ; on Baytril from RDVM.

SPECIES

Feline Abnormal PE/Chem/CBC/UA Results: Glucose 163, SDMA 26, creat. 3.4, BUN 37, neut. 10.35, lym 0.86. U/A: pH 7.5, protein 2+, UPC 0.6, USG 1.011.

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

DSH *Urinary System*

SEX

MN The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

AGE

3 years Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. Power Doppler assessment of the bilateral kidneys exhibited potential for subjective decreased vascularity although not definitive.

WEIGHT

12.02 lb The left kidney measured 4.3 cm in length. The right kidney measured 4.2 cm in length. The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

Adrenal Glands

R. McKenzie Daniel, DVM, DABVP (Canine and Feline) The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.37 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.42 cm width.

Spleen

IMAGING PERFORMED BY

Kelly Vazquez

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted. The spleen measured 0.79 cm in width at the level of the hilus.

HOSPITAL NAME

Liver

Westwood Regional Vet Hospital

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Taylor McConnell

Gastrointestinal

INVOICE

10848ag

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild retained ingesta/chyme exhibiting subtle progressive distal acoustic shadowing with no signs of ileus, obstruction or foreign material.

DATE

06/17/2022

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.



PATIENT Normal visible colon wall layers were present with apparent formed feces in lumen.

Astro Smith **Pancreas**

SPECIES The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Feline **Free Abdomen**

BREED No overt lymphadenopathy or peritoneal effusion was present.

DSH

- SEX**
- Sonographically normal bilateral kidneys
 - Sonographically unremarkable GI tract with mild retained gastric ingesta
 - Normal urinary bladder

MN

AGE

3 years

ULTRASONOGRAPHIC FINDINGS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonographically there was no overt evidence of significant renal pathology i.e. no evidence of dysplasia, overt nephritis/pyelonephritis or other renal pathologies. This presentation is consistent with suspected acute injury or insult. Subjectively the kidneys did not appear to be end stage yet long term prognosis is likely dependent on renal response to IVF therapy and renal support. Hospitalization with IVF, monitoring of urine output and body weight and renal parameters is recommended. A urine C/S on a sterile urine sample is recommended to rule out underlying non obvious infection.

WEIGHT

12.02 lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

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HOSPITAL NAME

Westwood Regional
Vet Hospital

REFERRING VET

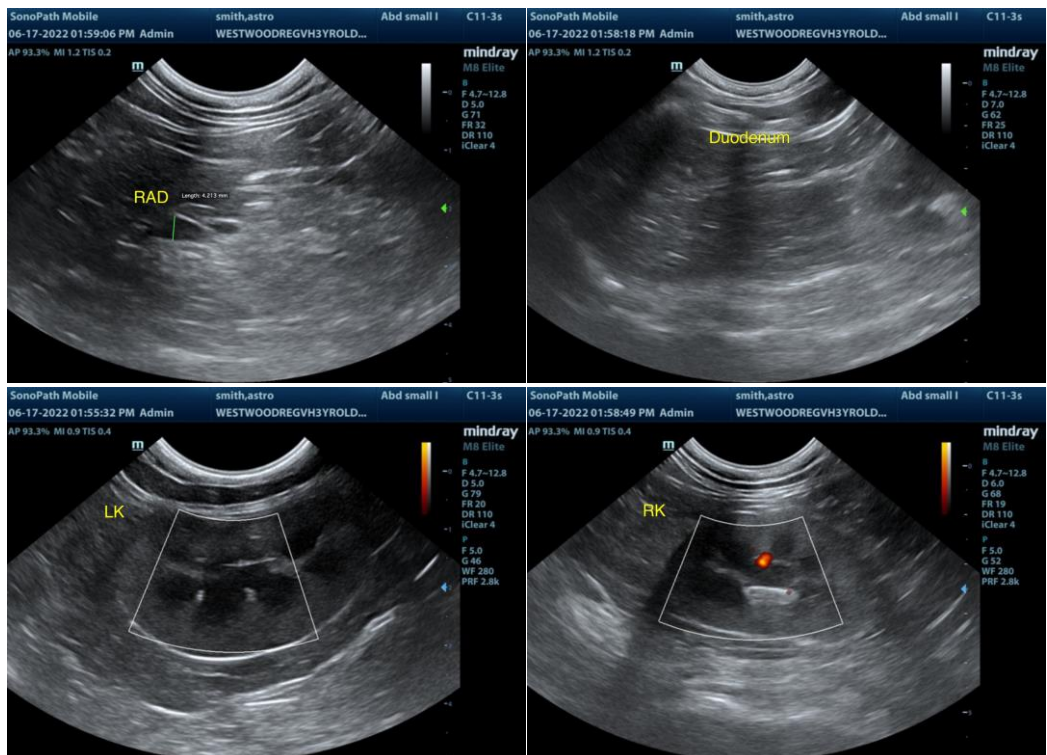
Dr. Taylor McConnell

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PATIENT

Astro Smith

SPECIES

Feline

BREED

DSH

SEX

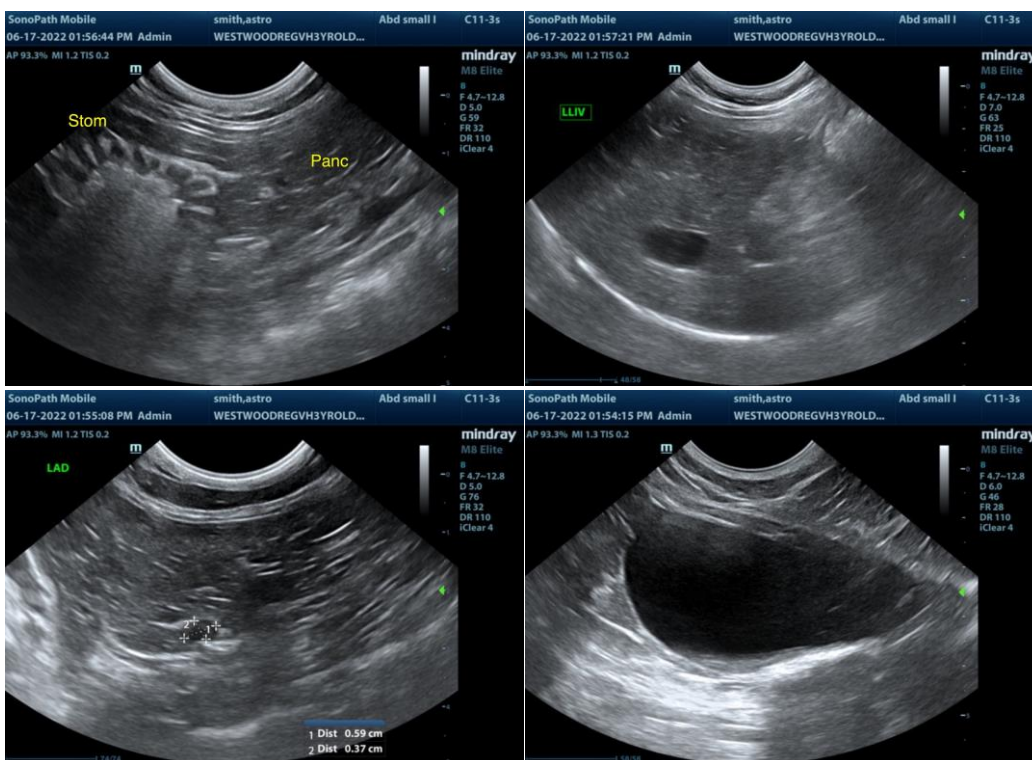
MN

AGE

3 years

WEIGHT

12.02 lb



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(Canine and Feline)

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.

IMAGING PERFORMED BY
Kelly Vazquez

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

HOSPITAL NAME

Westwood Regional
Vet Hospital

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REFERRING VET

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