


PATIENT PRESENTING CLINICAL SIGNS

Callie Spinara Elevated renal values and vomiting. Admitted for IVF, Ampicillin, Metronidazole and Cerenia.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 was noted.

The areas of the uterine remnant and aortic trifurcation were free of pathology.

SEX

FS

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia or overt pyelonephritis was present. No evidence of left or right retroperitoneal inflammation or effusion. The left kidney measured 3.4 cm in length. The right kidney measured 4.2 cm in length.

AGE

12 years

WEIGHT

9.12 kg

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.46 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.51 cm width at the caudal pole and 0.57 cm width at the cranial pole.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

Spleen

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.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Dog and Cat Clinic of
Niagara

REFERRING VET

Dr. Aziz

Liver/ Gallbladder

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 contained mild to moderate, nondependent, mildly congealed yet nonorganized gallbladder debris. The gallbladder itself was mildly distended in size, likely owing to fasting, without evidence of peripheral inflammation. The gallbladder walls were sonographically unremarkable. The cystic and common bile ducts were normal.

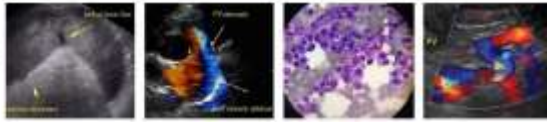
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Gastrointestinal
DATE

11/12/21

The stomach presented intact yet subjective mild prominent wall layering with minor retained anechoic fluid primarily in the gastric antrum and pylorus. The gastric body wall measured 0.42 cm width. Pylorus wall measured 0.42 cm width.



PATIENT

Callie Spinara

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. The duodenum wall width measured 0.40 cm. The jejunum wall width measured 0.42 cm.

SPECIES

Canine

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

Pancreas

BREED

Shih Tzu

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 were evident.

Free Abdomen

SEX

FS

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

12 years

Primary Findings

- Bilateral nephropathy
- Sonographically unremarkable gastrointestinal tract, likely gastroenteritis

WEIGHT

9.12 kg

Secondary Findings

- Mild to moderate gallbladder debris (non-mucocele)

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The bilateral kidneys, sonographically, were not consistent with end-stage renal disease yet exhibited mild chronic changes. The potential for acute or acute on chronic insult is suspected. Consider, depending on the degree of azotemia, infectious disease (Leptospirosis), toxin exposure, or similar.

The bilateral adrenal glands were not overtly consistent with adrenal insufficiency, yet resting cortisol may be considered for further assessment.

Hospitalization with diuresis protocol with monitoring of urine output, body weight and renal response with as-needed gastrointestinal support would be appropriate. Leptospirosis titer / PCR is recommended. Antibiotic coverage for Leptospirosis pending testing may be considered if clinically indicated.



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SPECIES

Canine

BREED

Shih Tzu

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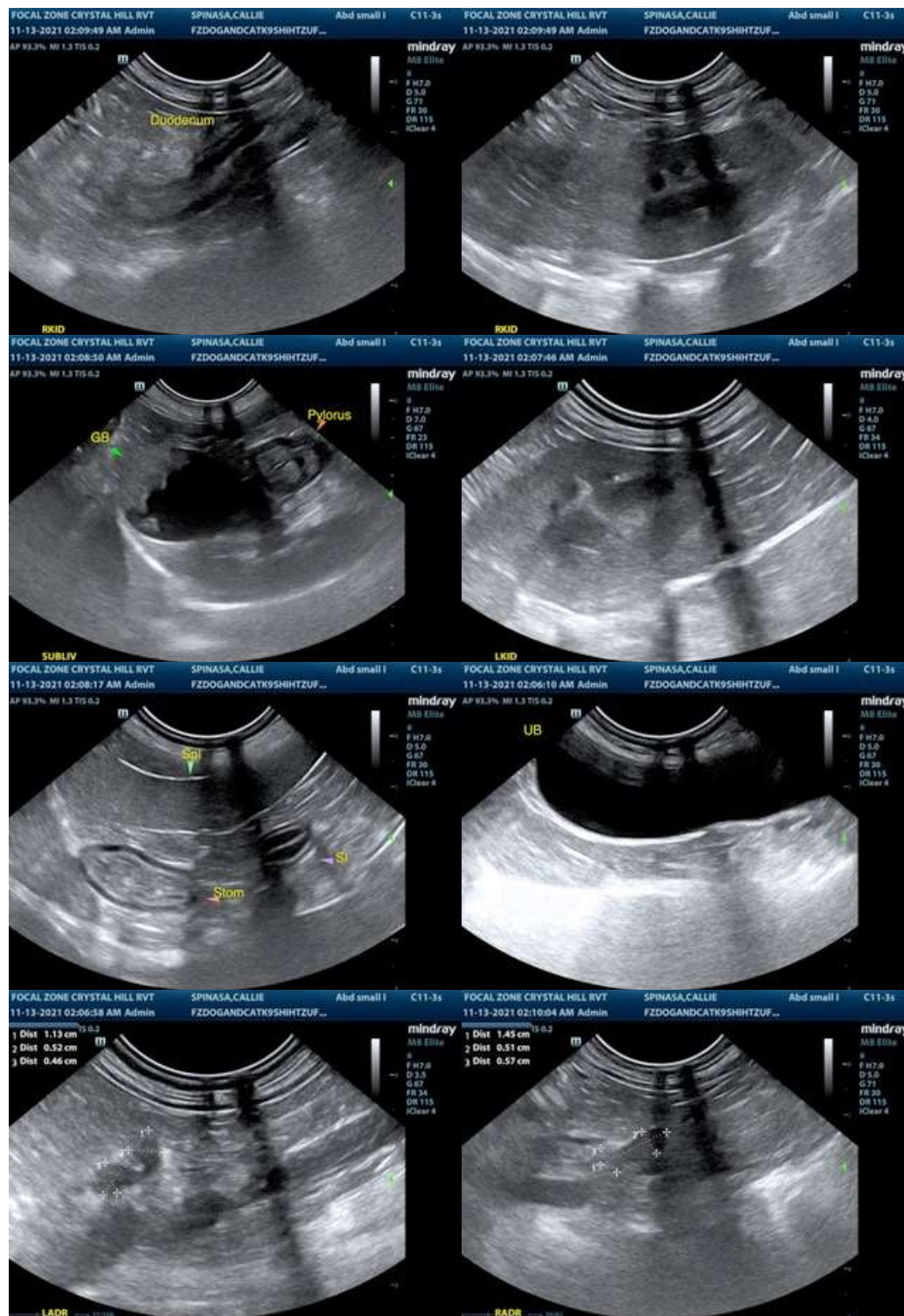
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PATIENT

Callie Spinara

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.

SPECIES

Canine

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.

BREED

Shih Tzu

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

FS

AGE

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WEIGHT

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