



PATIENT PRESENTING CLINICAL SIGNS

Uni Rakowsky Distended abd. / Elevated total bili.
Abnormal PE/Chem/CBC/UA Results: Tbili 1.4, TP 5.0, Glob 5.0, Baso 0.12, Retics 122.9, MCV 60.4, MPV 13.8, PCT 0.56

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Mini Schnauzer

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 were noted.

SEX

Spayed Female

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint areas of medullary mineral noted in both kidneys. The right kidney measured 4.8 cm. The left kidney measured 4.7 cm.

AGE

12 Years

The area of the aortic trifurcation was free of pathology.

WEIGHT

16.7 Pounds

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.1 cm length x 0.41 cm at the caudal pole. The left adrenal gland measured 2.2 cm length x 0.57 cm at the caudal pole. No evidence of adrenal hyperplasia or tumors.

INTERPRETED BY

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

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

Jessica Miller

Liver

The liver was mildly enlarged. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was mildly distended in size. Mildly echogenic yet non-thickened gallbladder walls were noted. Moderate to marked non-dependent to organized luminal debris was present with anechoic to hypoechoic rim noted between the non-dependent luminal debris and inner luminal wall with mild intermittent hyperechoic striations associated with the luminal debris, extending to the level of the luminal wall. Subtle evidence of suspected peripheral inflammation noted around the gallbladder neck. No evidence of concurrent free fluid. The area of the common bile duct was sonographically unremarkable without evidence of common bile duct dilation, stasis or obstruction.

HOSPITAL NAME

Summit Dog & Cat
Hospital

REFERRING VET

Dr. Vogler

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Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

10/11/21



PATIENT

Uni Rakowsky

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.

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

SPECIES

Canine

Pancreas

The pancreas was normal in size and contour with heterogeneous to mild non-uniform echogenic parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

BREED

Mini Schnauzer

Free Abdomen

No peritoneal masses, lymphadenopathy or effusion. Subjective increased amount of intraabdominal fat was present.

SEX

Spayed Female

PRIMARY FINDINGS

- Gallbladder mucocele
- Mild vacuolar hepatopathy pattern

AGE

12 Years

SECONDARY FINDINGS

- Mild age related kidneys

WEIGHT

16.7 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Hepatosupportive medications including Ursodiol with sonographic monitoring of the gallbladder and for evidence of cranial abdominal/subxiphoid discomfort would be appropriate. However, prophylactic cholecystectomy could be considered in this patient and is likely indicated if increasing evidence of cholestasis or subxiphoid/cranial abdominal pain on palpation is noted. The possibility of underlying adrenal disease is considered unlikely given the lack of reported clinical signs and presentation of the adrenals. However, adrenal workup could be considered if clinically indicated. Assessment of T4 levels is suggested.

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IMAGING PERFORMED BY

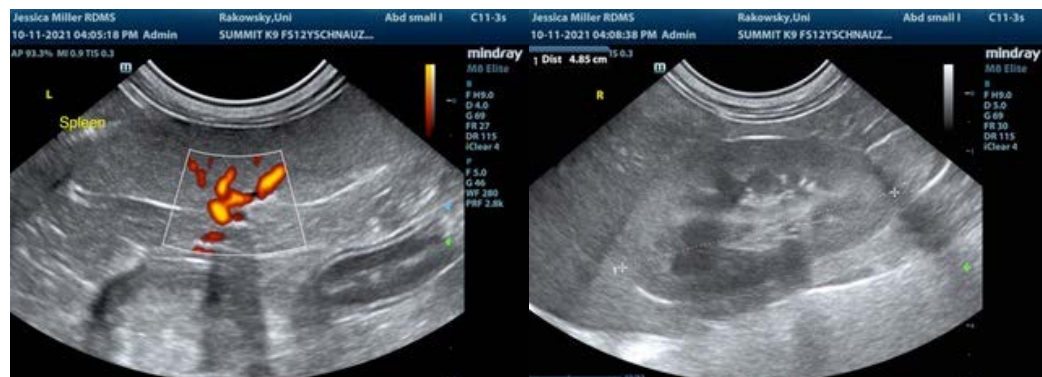
Jessica Miller

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SPECIES

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BREED

Mini Schnauzer

SEX

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AGE

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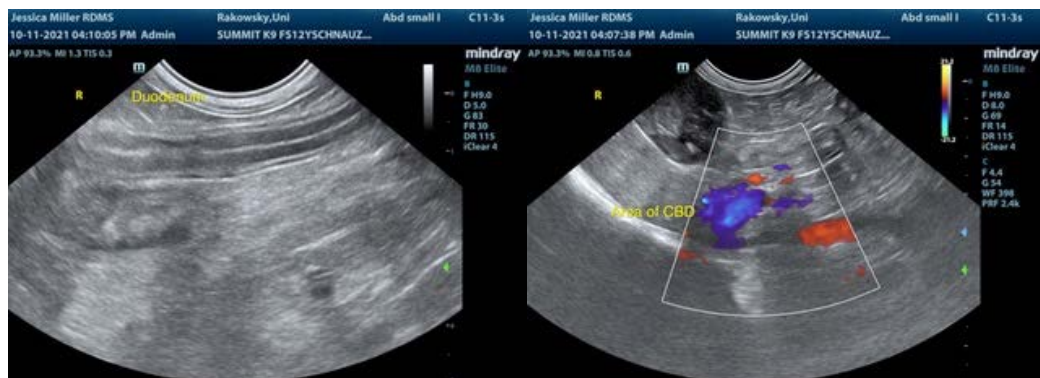
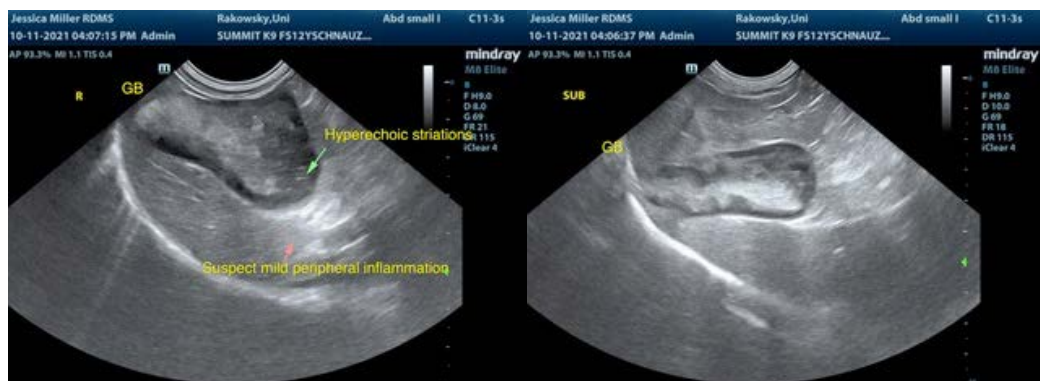
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PATIENT

Uni Rakowsky

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

Mini Schnauzer

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

Spayed Female

AGE

12 Years

WEIGHT

16.7 Pounds

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