



PATIENT

Sky Hazuker

SPECIES

Feline

BREED

Bengal Mix

SEX

Spayed Female

AGE

10 years

WEIGHT

7 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

All Creatures Great
and Small

REFERRING VET

Dr. Mitrovic

INVOICE

12304

DATE

9/27/21

PRESENTING CLINICAL SIGNS

-Hematuria, Recheck u/s Current meds: Prednisone

Abnormal PE/Chem/CBC/UA Results: Urea 49, Creat 7.8 UA: Protein 2+, Blood 3+, RBC 4-10 SG: 1.015

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was subnormal in size owing to a lack of urine distention. Sonographic evaluation of the urinary bladder was limited owing to a lack of urine distention. Mildly prominent generalized urinary bladder walls with mild asymmetrical luminal margination were present. Minimal anechoic urine was present without overt evidence of sediment of calculi. No overt masses were noted. The urinary bladder wall width measured 0.30 cm. The urethra was normal in structure and tone to a depth of 2.0 cm.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the left kidney. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia was present. The left kidney measured 3.2 cm in length.

Normal size and margination were present in the right kidney. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Moderate anechoic fluid accumulation with loss of medullary parenchyma was present in the right kidney. Associated proximal right ureter dilation extending approximately 1.0-2.0 cm post right kidney pelvis and collecting duct was present. Right ureter dilation measured 0.54 cm. Minor associated retroperitonitis was noted around the right kidney. The right kidney measured 3.6 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.44 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.27 cm width.

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. The spleen measured 0.61 cm in width.

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 was non-distended in size with thin



| | |
|--|--|
| PATIENT | walls and primarily anechoic luminal content. The proximal common bile duct was dilated and tortuous without overt post hepatic obstruction. |
| Sky Hazuker | |
| SPECIES | <i>Gastrointestinal</i> |
| Feline | 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. The gastric body wall measured 0.25 cm width. |
| BREED | |
| Bengal Mix | The small intestine presented intact wall layering and primarily maintained a 1:3 muscularis/mucosa ratio with segmental propensity for mildly prominent muscularis layer. The duodenum wall measured 0.31 cm width. The jejunum wall measured 0.24 cm width. |
| SEX | |
| Spayed Female | Normal visible colon wall layers were present with apparent formed feces in lumen. |
| AGE | <i>Pancreas</i> |
| 10 years | The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. |
| WEIGHT | <i>Free Abdomen</i> |
| 7 lbs. | No overt lymphadenopathy or peritoneal effusion was present. |
| INTERPRETED BY | ULTRASONOGRAPHIC FINDINGS |
| R. McKenzie Daniel, DVM, DABVP (Canine and Feline) | <i>Primary Findings</i> |
| IMAGING PERFORMED BY | <ul style="list-style-type: none"> • Subnormal urinary bladder, potential for cystitis • Left kidney chronic renal changes, no pyelectasia • Right kidney moderate hydronephrosis with associated proximal right ureter dilation and mild retroperitonitis • Segmental, mildly prominent yet improved intestinal thickening |
| Jessica Miller | <i>Secondary Findings</i> |
| HOSPITAL NAME | <ul style="list-style-type: none"> • Mild nonobstructive proximal common bile duct dilation |
| All Creatures Great and Small | <u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u> |
| REFERRING VET | Sonographic re-evaluation of the distended urinary bladder would be ideal for further assessment. |
| Dr. Mitrovic | |
| INVOICE | The proximal common bile duct dilation may suggest age-related changes or secondary to underlying cholangitis / cholangiohepatitis especially if previous or current liver enzymes elevations have been noted. No overt signs of post hepatic obstruction. |
| 12304 | |
| DATE | The source of the hematuria is suspected to be associated with the right kidney. Considerations may include nonspecific, chronic nephritis i.e., pyelonephritis. Potential for non-visualized obstructive hydronephrosis i.e., non-visualized ureteral calculi, stricture, mass, or other is possible. Further assessment may include contrast urography or if possible, CT. Urine culture and sensitivity on a sterile urine sample is recommended. |
| 9/27/21 | |



PATIENT

Sky Hazuker

SPECIES

Feline

BREED

Bengal Mix

SEX

Spayed Female

AGE

10 years

WEIGHT

7 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

All Creatures Great
and Small

REFERRING VET

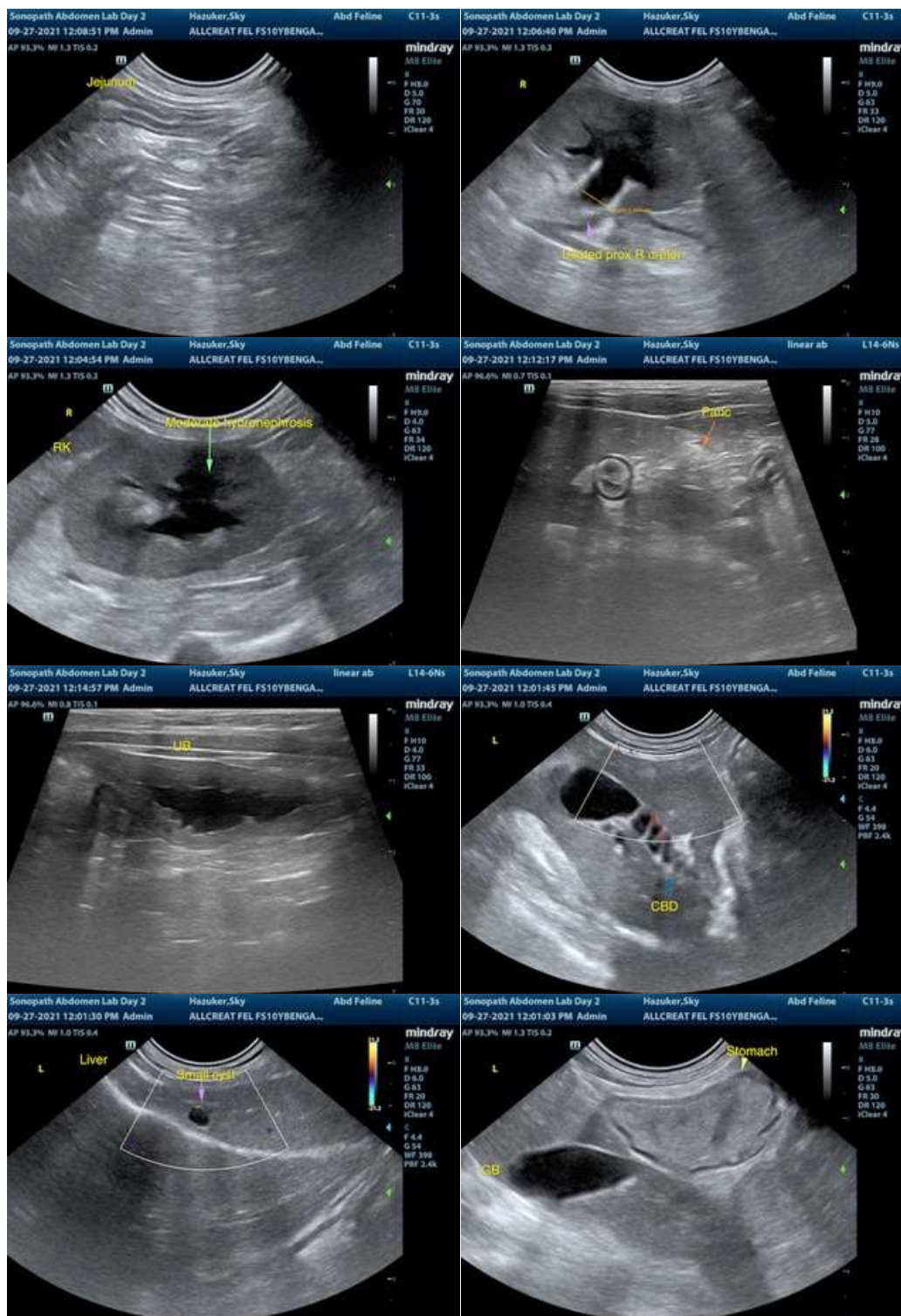
Dr. Mitrovic

INVOICE

12304

DATE

9/27/21





PATIENT

Sky Hazuker

SPECIES

Feline

BREED

Bengal Mix

SEX

Spayed Female

AGE

10 years

WEIGHT

7 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Jessica Miller

HOSPITAL NAME

All Creatures Great
and Small

REFERRING VET

Dr. Mitrovic

INVOICE

12304

DATE

9/27/21



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.

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