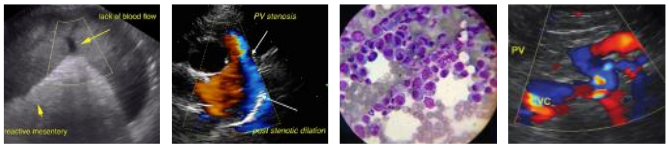
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Benny Lowe

SPECIES
Feline

BREED
DSH

SEX
MN

AGE
12 years

WEIGHT
9.5 lbs.

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

IMAGING PERFORMED BY
Jose

HOSPITAL NAME
Animal Clinic of Queens

REFERRING VET
Dr. Thomas

INVOICE
15124

DATE
10/6/22

PRESENTING CLINICAL SIGNS

Hx of hematuria Suspected autoimmune dz Currently on Atenolol 1/4 SID for heart
Abnormal PE/Chem/CBC/UA Results: Possible pemphigus on paws CBC- Neutrophils 10465 H (2500-8500) Eosinophils 1127 H (0-1000) Urine- (Collected through natural voiding) Protein 1+ H Blood 3+ H RBC >50 H (0-3) Squamous Epithelia 4-10 H (0-3)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 was noted.

The area of the aortic trifurcation was free of pathology.

Subtle asymmetrical renal margination was noted 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 minor loss of corticomedullary border demarcation. Pinpoint areas of medullary mineral were present. No evidence of pelvic dilation was present. The left kidney measured 3.8 cm in length. The right kidney measured 3.7 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 0.48 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.49 cm width.

Spleen

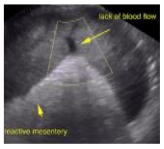
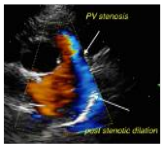
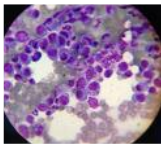
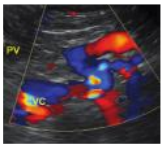
The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammation, neoplastic criteria, or benign parenchyma changes were not noted. The spleen measured 0.66 cm width at the level of the hilus.

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 walls and primarily anechoic luminal content. The common bile duct was dilated and tortuous without overt post hepatic obstruction. The common bile duct measured 0.20 cm width.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate ingesta exhibiting progressive distal acoustic shadowing.

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Benny Lowe

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

12 years

WEIGHT

9.5 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jose

HOSPITAL NAME

Animal Clinic of Queens

REFERRING VET

Dr. Thomas

INVOICE

15124

DATE

10/6/22

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental, mild, nonshadowing ingesta / chyme was noted.

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

Pancreas

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

No omental masses, lymphadenopathy, or peritoneal effusion were noted.

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable urinary bladder and visible proximal urethra
- Minor chronic renal changes exhibiting pinpoint medullary mineral
- Mild nonobstructive common bile duct dilation

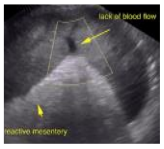
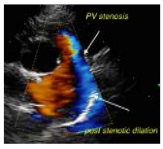
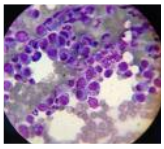
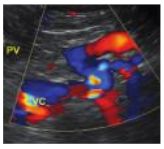
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no evidence of significant visceral pathology, specifically upper or lower urinary tract pathology as an obvious cause of the reported hematuria.

The CBD 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.

Further renal staging to include urine C/S and baseline UPC level, given quiet urinary bladder sediment, ideally on sterile urine sample, is recommended.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Benny Lowe

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

12 years

WEIGHT

9.5 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jose

HOSPITAL NAME

Animal Clinic of Queens

REFERRING VET

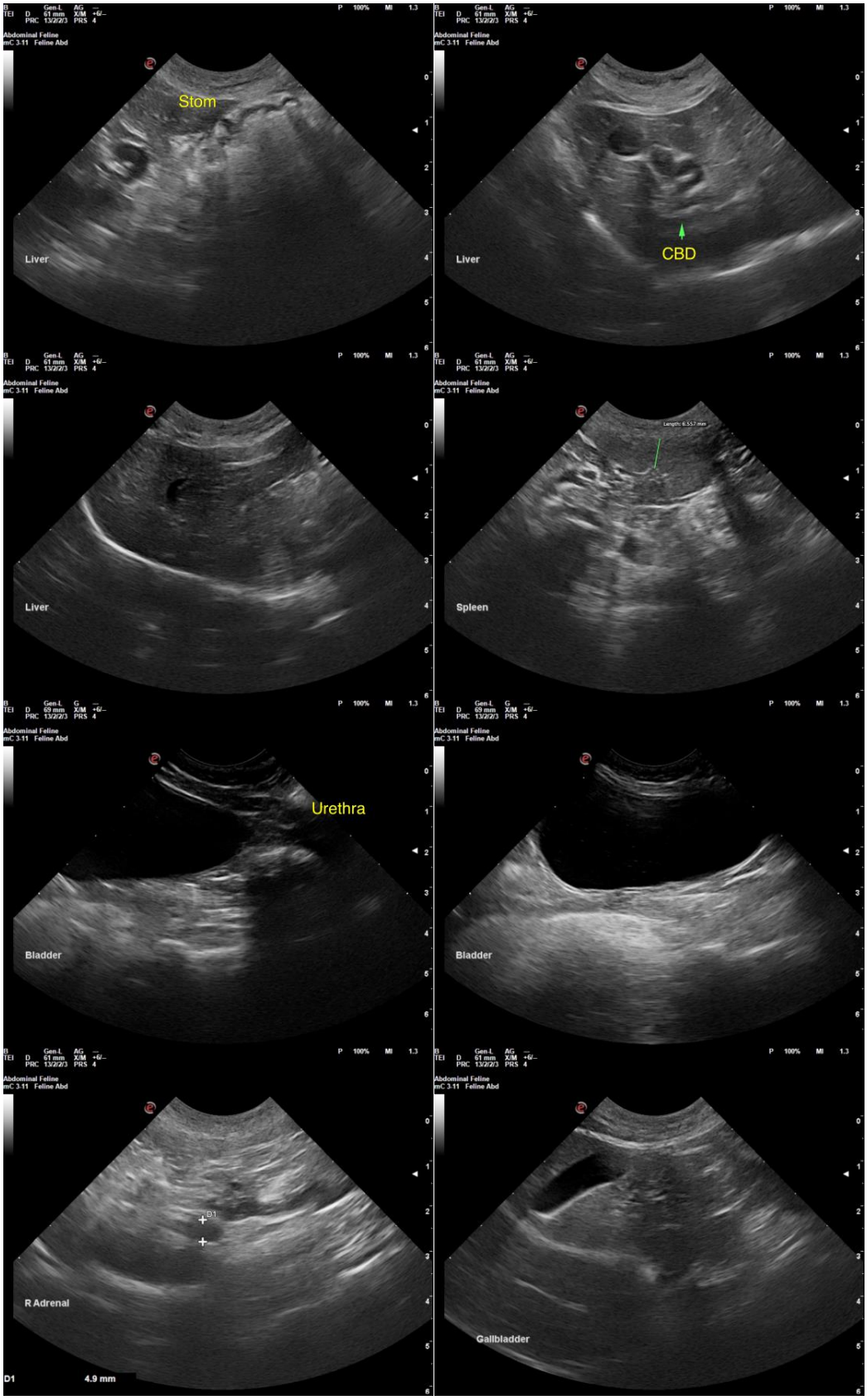
Dr. Thomas

INVOICE

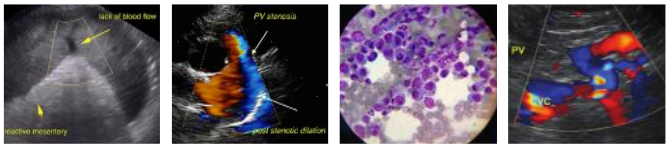
15124

DATE

10/6/22



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Benny Lowe

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

12 years

WEIGHT

9.5 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jose

HOSPITAL NAME

Animal Clinic of Queens

REFERRING VET

Dr. Thomas

INVOICE

15124

DATE

10/6/22

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.

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