



PATIENT

Bella Mielenz

SPECIES

Canine

BREED

Labrador Mix

SEX

FS

AGE

9y

WEIGHT

37.1 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Q street animal
Hospital

REFERRING VET

Dr. Cone

INVOICE

16673

DATE

4/20/23

PRESENTING CLINICAL SIGNS

Presented for urinary accidents, poor appetite, weight loss, and frequent vomiting for 2 weeks. Physical exam: thin body condition, dehydrated, thickened bladder on palpation. Radiographic Findings Possible thickening of bladder near trigone. Possible mass effect in cranial abdomen. Primary Question/Differential to Be Answered in This Exam Bladder tumor, non-radiopaque stone, multi-focal neoplasia.

Abnormal PE/Chem/CBC/UA Results: Urinalysis: SPG 1.014, 2+ protein, 2+ blood, 2-3 transitional epithelial cells/hpf. Full labwork pending

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen with minor nondependent particulate sediment, which may indicate cellular debris / protein, or crystalline debris, was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted. No evidence of cystitis criteria or urinary bladder / urethral tumors were noted.

The area of the aortic trifurcation was free of pathology.

A definitive left kidney was not visualized. 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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. Mild right kidney pyelectasia was present. The right kidney measured 6.7 cm in length.

Adrenal Glands

The left adrenal gland was not definitively visualized owing to regional periadrenal increased omental artifact and adjacent mass. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.3 cm length x 0.78 cm width at the caudal pole.

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.

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



PATIENT

Bella Mielenz

SPECIES

Canine

BREED

Labrador Mix

SEX

FS

AGE

9y

WEIGHT

37.1 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Q street animal
Hospital

REFERRING VET

Dr. Cone

INVOICE

16673

DATE

4/20/23

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.

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.

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.

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

A large, irregular, mixed echogenic, mildly cavitated mass was noted in the mid to cranial abdomen measuring approximately 10.0 cm in diameter. Mild surrounding hyperechoic omentum/tissue was noted. Focally visualized, scant pocket of peritoneal to retroperitoneal free fluid was noted.

ULTRASONOGRAPHIC FINDINGS

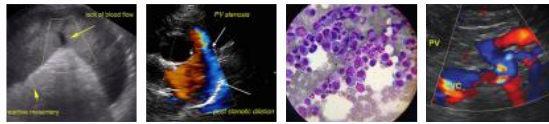
- Large unspecified intraabdominal to possible retroperitoneal mass
- Sonographically unremarkable liver / spleen
- Structurally normal gastrointestinal tract
- Sonographically unremarkable urinary bladder and visible proximal urethra with minor urinary bladder sediment - no urinary bladder or urethral tumor

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although unspecified, the abdominal to possible retroperitoneal mass may be of renal or possible adrenal origin, given the lack of a definitively visualized left kidney / adrenal gland in conjunction with urinalysis abnormalities. Alternative origin of the mass cannot be definitively excluded, yet did not overtly appear to involve the spleen, liver, or gastrointestinal tract. The mass is most consistent with neoplastic criteria.

Assuming normal clotting status, FNA cytology of the mass could be considered for further clarification. Screening BRAF Assay is suggested. No overt evidence of gastrointestinal mural changes which may suggest concurrent underlying gastrointestinal disease.

A GI panel to include PLI/TLI/Cobalamin/Folate as well as three-view chest radiographs to rule out concurrent occult disease as a contributing factor may be considered. Abdominal CT is likely ideal for



PATIENT

further definition of the mass, as well as potential surgical planning pending additional diagnostics or if surgery is a possibility in this case.

Bella Mielenz

SPECIES

Canine

BREED

Labrador Mix

SEX

FS

AGE

9y

WEIGHT

37.1 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Q street animal
Hospital

REFERRING VET

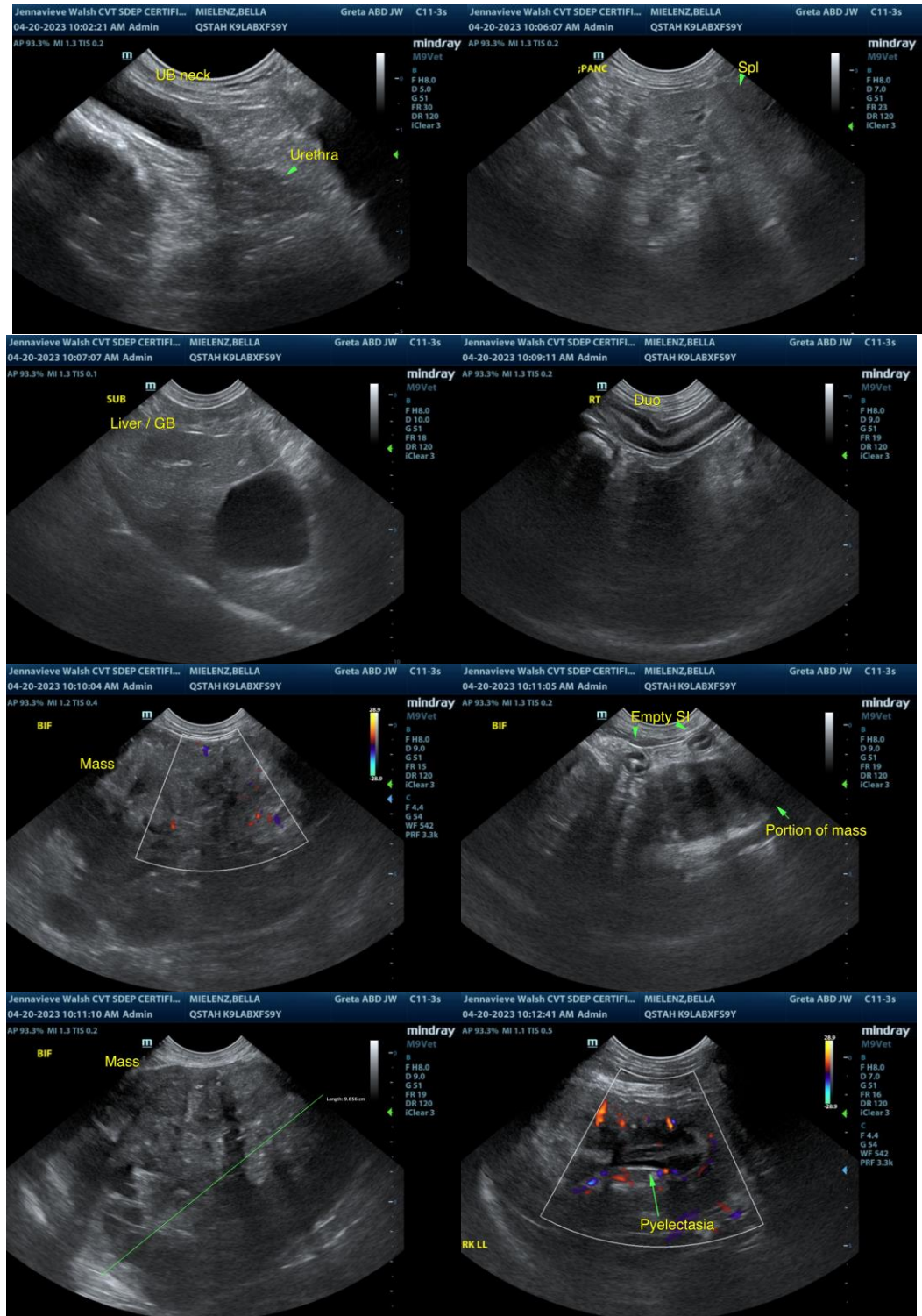
Dr. Cone

INVOICE

16673

DATE

4/20/23





PATIENT

Bella Mielenz

SPECIES

Canine

BREED

Labrador Mix

SEX

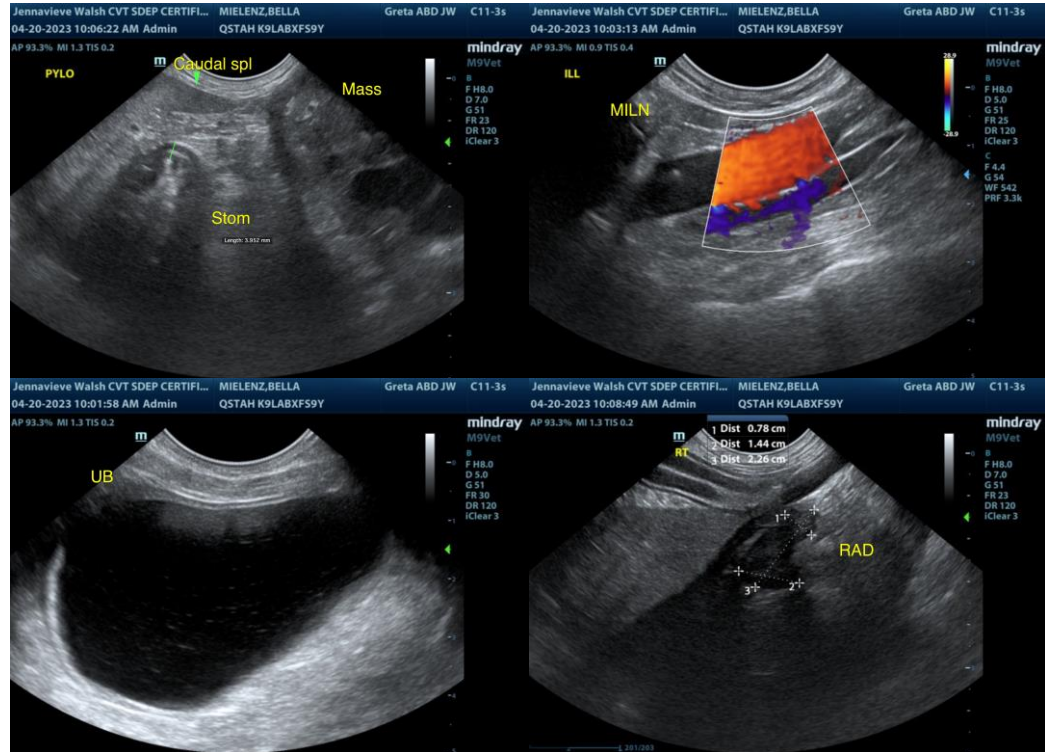
FS

AGE

9y

WEIGHT

37.1 lbs



INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Q street animal
Hospital

REFERRING VET

Dr. Cone

INVOICE

16673

DATE

4/20/23

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