



PATIENT

Winnie Lloyd

SPECIES

Canine

BREED

English Bulldog

SEX

FS

AGE

9yr

WEIGHT

24.2lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws

REFERRING VET

Chase River
Veterinary Hospital

INVOICE

12995ag

DATE

02/17/2023

PRESENTING CLINICAL SIGNS

Winnie presented for chronic intermittent vomiting and hematuria. PE was unremarkable other than otitis. She is currently on cerenia and being treated for otitis with Aurizon. Cysto sample taken for culture.

Abnormal PE/Chem/CBC/UA Results: 1/19/23 UA results: usg=1.048 pH=8.0 WBC>50/HPF RBC=8/HPF No bacteria <1 squamous epithelial cell/HPF 1-2 non-squamous epithelial cells/HPF 1-5 struvite crystals/HPF 2/16/23 (full results pending) Chem: TP=76 (55-75) AST=14 (low) Renal values OK (CBC=normal) UA: Triple phosphate crystals.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with moderate to marked primarily non-dependent echogenic to hyperechoic sediment/mineral. The apical urinary bladder wall measured 0.34 cm in width. The ureteral papillae were normal. The ureters were not visible which is normal. No neoplastic changes were noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 6.0 cm in length. The right kidney measured 6.5 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.55 cm width at the caudal pole and 1.9 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.9 cm width at the caudal pole and 1.9 cm length.

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 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 mild luminal gas. A mildly expansive irregular to non-homogenous mass/lesion was present within the dorsal antrum and pylorus measuring ~ 5.6 cm x 2.6 cm. The mass appeared to



PATIENT

Winnie Lloyd

extend into the area of the pancreas base and right pancreatic limb. Subtle peripheral hyperechoic omentum was present.

SPECIES

Canine

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

BREED

English Bulldog

The visualized pancreas base and right pancreatic limb exhibited normal size and contour with isoechoic mildly heterogenous parenchyma compared to the adjacent omental fat.

Free Abdomen

SEX

FS

No overt lymphadenopathy or peritoneal effusion was present.

AGE

9yr

ULTRASONOGRAPHIC FINDINGS

- Stomach mass subjective area of dorsal antrum/pylorus
- Sonographically unremarkable small bowel
- Moderate to marked urinary bladder sediment/mineral with likely mild cystitis
- Normal bilateral kidneys

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

24.2lb

The mass in the area of the dorsal antrum/pylorus subjectively connected to adjacent pyloric wall may indicate benign granulomatous or neoplastic etiologies although neoplastic criteria is favored. Potential for primary pancreatic mass extending into or involving the regional stomach is considered less likely.

INTERPRETED BY

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

Laparotomy with gross inspection, biopsy or possible resection with histopathology is required for a definitive diagnosis. No obvious evidence of intra-abdominal metastasis.

Three view chest radiographs are recommended if not done to assess for occult thoracic pathology.

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws

REFERRING VET

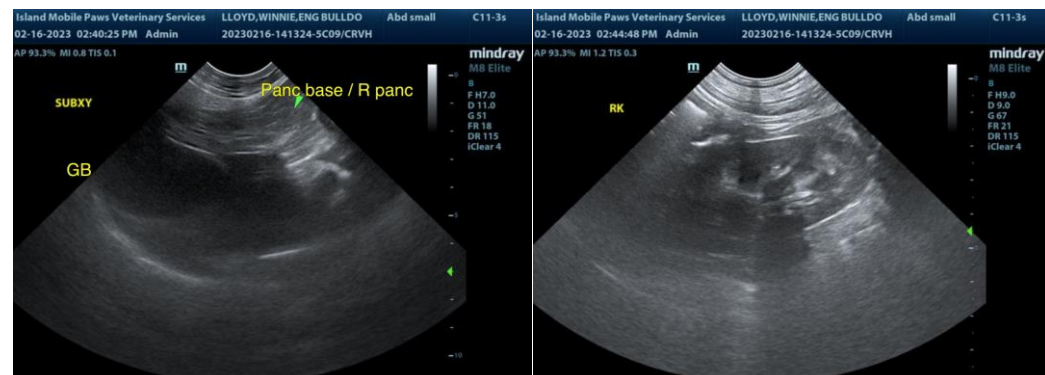
Chase River
Veterinary Hospital

INVOICE

12995ag

DATE

02/17/2023





PATIENT

Winnie Lloyd

SPECIES

Canine

BREED

English Bulldog

SEX

FS

AGE

9yr

WEIGHT

24.2lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws

REFERRING VET

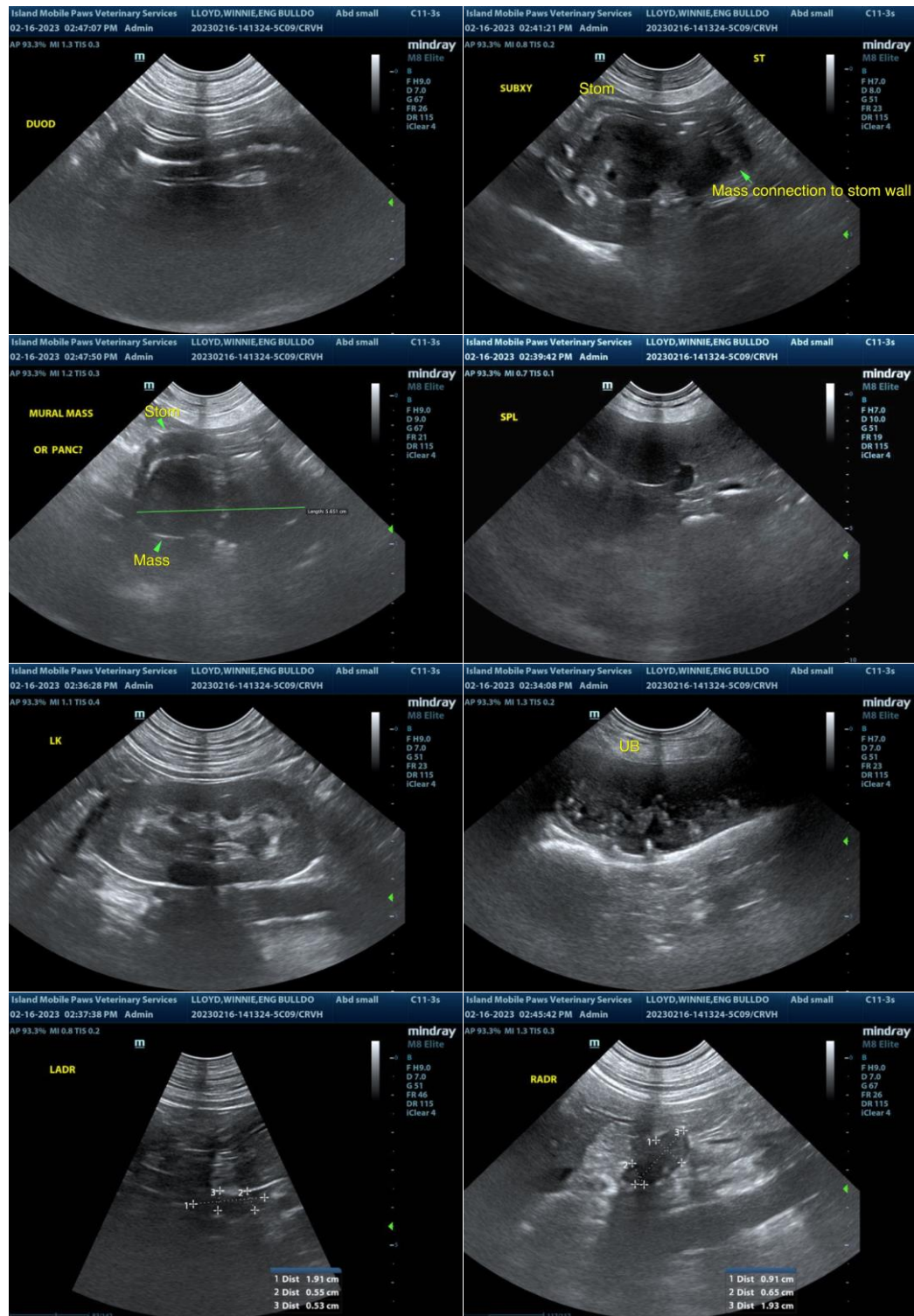
Chase River
Veterinary Hospital

INVOICE

12995ag

DATE

02/17/2023



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



PATIENT

can be of any further assistance, please contact me.

Winnie Lloyd

SPECIES

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

mac.daniel@sonopath.com

Canine

BREED

English Bulldog

SEX

FS

AGE

9yr

WEIGHT

24.2lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Markland

HOSPITAL NAME

Island Mobile Paws

REFERRING VET

Chase River
Veterinary Hospital

INVOICE

12995ag

DATE

02/17/2023