



PATIENT PRESENTING CLINICAL SIGNS

Ethel Giordano Hematuria.

SPECIES Medication: Orbax

Canine Urinalysis: Spec Grav 1.012, neg protein, mild blood

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Pug Mix *Urinary System*

SEX The urinary bladder was mildly subnormal in size, owing to lack of complete urine distention. Mildly prominent ventral apical and dorsal urinary bladder walls were noted. Anechoic urine was present with no sediment or calculi visualized. No urinary bladder tumors were present. The area of the trigone and urinary bladder neck were free of pathology. The urethra was overtly normal in structure and tone to a depth of 2.0 cm. The urinary bladder wall measured 0.25 cm wall width.

AGE 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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia was present. Focal areas of nonobstructive medullary mineral were present, primarily adjacent to the pelvis and in the area of the lateral diverticula. The left kidney measured 4.6 cm in length. The right kidney measured 4.9 cm in length.

WEIGHT *Adrenal Glands*

29 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm width at the caudal pole and 0.42 cm width at the cranial pole.

INTERPRETED BY The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.41 cm width at the caudal pole and 0.33 cm width at the cranial pole.

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

IMAGING PERFORMED BY 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.

HOSPITAL NAME *Liver/ Gallbladder*

Community VP The liver presented mildly enlarged in size. 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.

REFERRING VET Dr. Carpenter The gallbladder was non-distended in size with primarily anechoic content with mild nonorganized debris, primarily in the caudal lumen and area of the gallbladder neck. No evidence of gallbladder or peripheral gallbladder inflammation. The cystic duct and common bile ducts were normal without evidence of dilation.

INVOICE 20903 ***Gastrointestinal***

DATE 2/1/23



PATIENT

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.

Ethel Giordano

SPECIES

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.

Canine

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

Pancreas

BREED

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.

Pug Mix

SEX

Free Abdomen

F/S

No overt lymphadenopathy or peritoneal effusion was present.

AGE

ULTRASONOGRAPHIC FINDINGS

2011

- Mild cystitis pattern
- Bilateral nonobstructive renal medullary mineral- no evidence of pyelonephritis
- Mild benign hepatomegaly
- Mild gallbladder debris (non-mucocele)

WEIGHT

29

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Recheck urine culture and sensitivity 7 days post-completion of current antibiotics is recommended. Although no evidence of current urinary bladder luminal mineral or calculi, this patient may potentially be periodically passing small amounts of mineral from the kidneys into the urinary bladder. No evidence of upper or lower urinary tract intraabdominal neoplastic criteria.

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

IMAGING

PERFORMED BY

Hepatosupportive medications may prove beneficial if evidence of cholestasis, going forward, is noted.

Rebekah Jakum, CVT
 ARDMS/RVT

HOSPITAL NAME

Community VP

REFERRING VET

Dr. Carpenter

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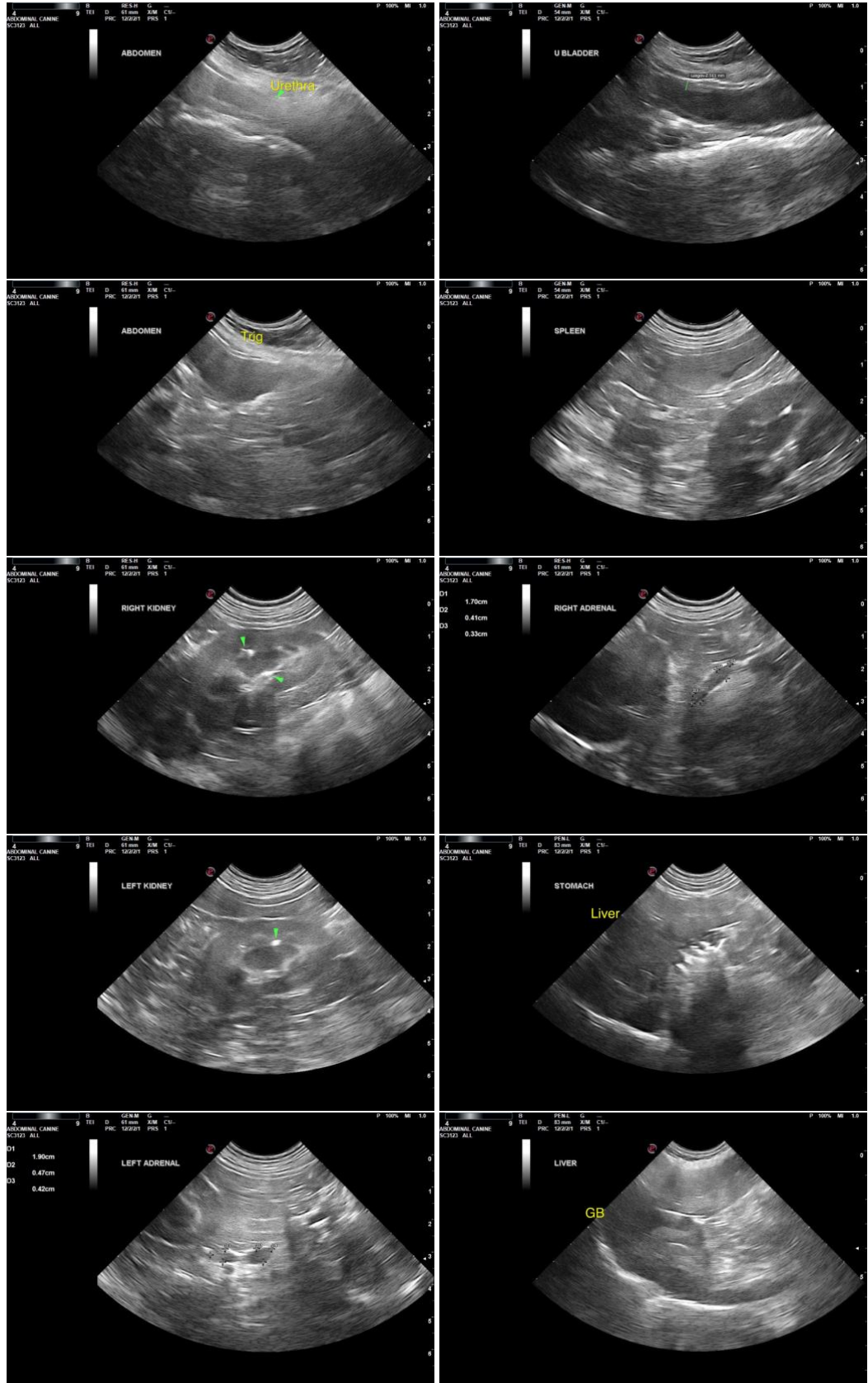
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Pug Mix

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

SEX

F/S

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