



PATIENT	PRESENTING CLINICAL SIGNS
Fiona Nonnemacher	History: Chronic UTI's
	Medication: Cranberry supplement
SPECIES	Urinalysis- Specific Gravity 1.035, mild blood, trace protein, cloudy appearance
Canine	
	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Bulldog Mix	The urinary bladder, trigone, cystourethral junction, and visible proximal urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural criteria was noted.
SEX	
FS	The area of the aortic trifurcation was free of pathology.
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 or overt pyelonephritis. The left kidney measured 6.0 cm in length. The right kidney measured 5.6 cm in length.
6 years	
WEIGHT	Adrenal Glands
56 Pounds	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.9 cm length x 0.52 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.5 cm length x 0.43 cm width at the caudal pole.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	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.
IMAGING PERFORMED BY	Liver/ Gallbladder
Rebekah Jakum, CVT ARDMS/RVT	The liver exhibited potential for mild subnormal size, with normal 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 mild echogenic non-organized luminal debris. The cystic and common bile ducts were normal.
HOSPITAL NAME	
Lehigh Valley AH (Bath)	
REFERRING VET	
Dr. Ferrari	
INVOICE	Gastrointestinal
12398	The stomach presented intact wall layering with a normal wall layer ratio. The stomach was mildly distended with luminal gas. No signs of ileus, obstruction, or foreign material were noted.
DATE	
10.11.2021	



PATIENT Fiona Nonnemacher
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.

SPECIES *Pancreas*

Canine 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.

BREED

Bulldog Mix *Free Abdomen*
No overt lymphadenopathy or peritoneal effusion was present.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Sonographically unremarkable urinary bladder and visible proximal urethra
- Mild age-related kidneys, no overt pyelonephritis

Secondary Findings

WEIGHT

56 Pounds

- Potential mild subnormal liver size - nonspecific
- Mild gallbladder debris (non-mucocele)

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of upper or low urinary tract pathology as a potential cause for recurring infection. Assessment of the vulva and potential vaginal vault for evidence of structural pathology which may predispose to recurrent ascending infection. The potential for mild subnormal liver size is likely a patient variant assuming normal hepatic function. No evidence of a portosystemic vascular anomaly. The gallbladder debris may be secondary to fasting or indicate nonclinical cholestasis.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Lehigh Valley AH
(Bath)

REFERRING VET

Dr. Ferrari



INVOICE

12398

DATE

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PATIENT

Fiona Nonnemacher

SPECIES

Canine

BREED

Bulldog Mix

SEX

FS

AGE

6 years

WEIGHT

56 Pounds

INTERPRETED BY

R. McKenzie Daniel,
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(Canine and Feline)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Lehigh Valley AH
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REFERRING VET

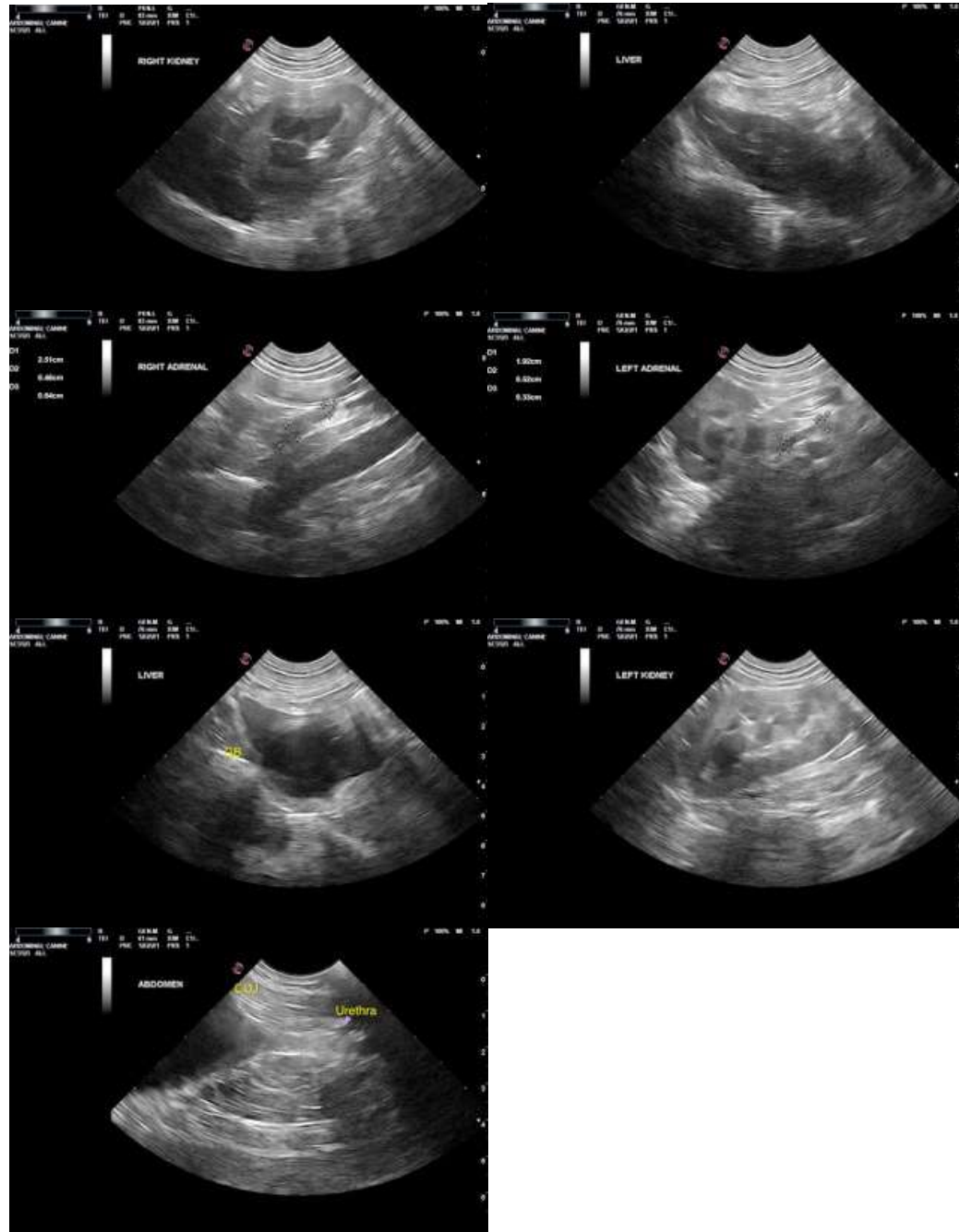
Dr. Ferrari

INVOICE

12398

DATE

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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)
mac.daniel@sonopath.com