



PATIENT

Lola Gladstone

SPECIES

Feline

BREED

Domestic Medium Hair

SEX

Spayed female

AGE

5 years

WEIGHT

8.81 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Judy Schroeder

HOSPITAL NAME

Animal Health
Associates

REFERRING VET

Dr. Fadden

INVOICE

39686

DATE

9/28/22

PRESENTING CLINICAL SIGNS

History: Recurrent UTIs, E coli cultured from urine last year and this week, but patient has also been treated empirically multiple times for UTI symptoms with visible bacteria and WBCs. History of chronic intermittent vomiting.

Abnormal PE/Chem/CBC/UA Results: Patient appears slightly unthrifty with low normal BW. USG 1.015 10-15 WBCs/hpf E coli 1-10,000 CFU/ml, sensitivity pending. Last blood testing on patient was normal but it was 11/2020

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.0 cm. The left kidney measured 3.7 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.32 cm. The right adrenal gland measured 0.41 cm.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



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Gastrointestinal

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The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. The mesenteric lymph nodes were reactive and measured 1.24 x 0.39 cm.

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Pancreas

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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

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Spayed female

ULTRASONOGRAPHIC FINDINGS

AGE

5 years

Minor intestinal thickening.

Reactive mesenteric lymph nodes.

No neoplastic criteria or foreign bodies.

WEIGHT

8.81 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Diet change to hydrolyzed Maldigestion panel is warranted. B12 injections may be appropriate. Broad spectrum anti-parasitic protocol is recommended given the intestinal thickening +/- fecal test.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

Feline Chronic UTI Protocol

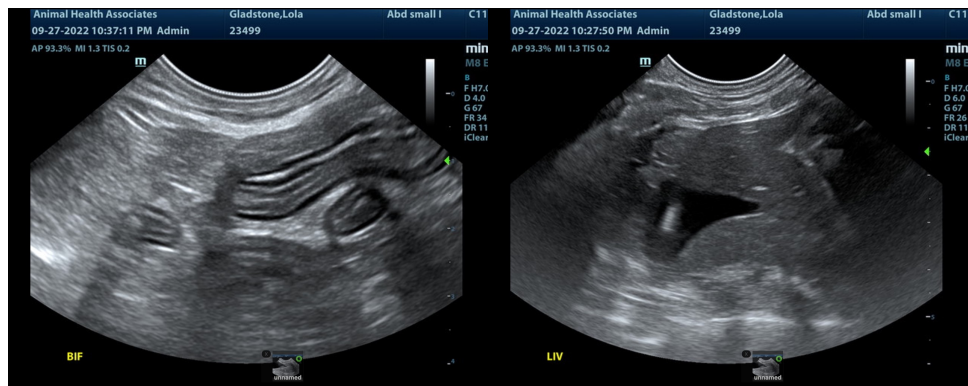
I recommend **Enrofloxacin** (5-10 mg/kg SID PO) (In patients > 1 year of age) in an adequately hydrated patient without renal failure to avoid complications. This assumes that culture supports this use. Repeat **culture** at 3-4 weeks and continue treatment at least 7-10 days post negative urinary sediment and negative culture. *Note: Negative culture does not necessarily mean lack of UTI especially with elevated urinary WBC with low urine specific gravity.* Other favorite antibiotics for chronic UTI include zithromax 50mg/cat SID or potentiated bet lactam antibiotics.

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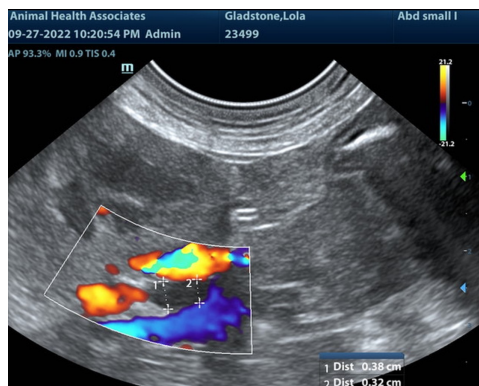
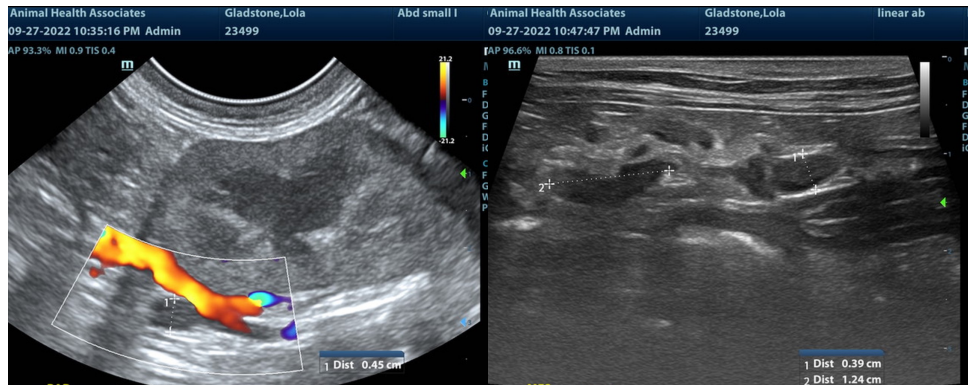
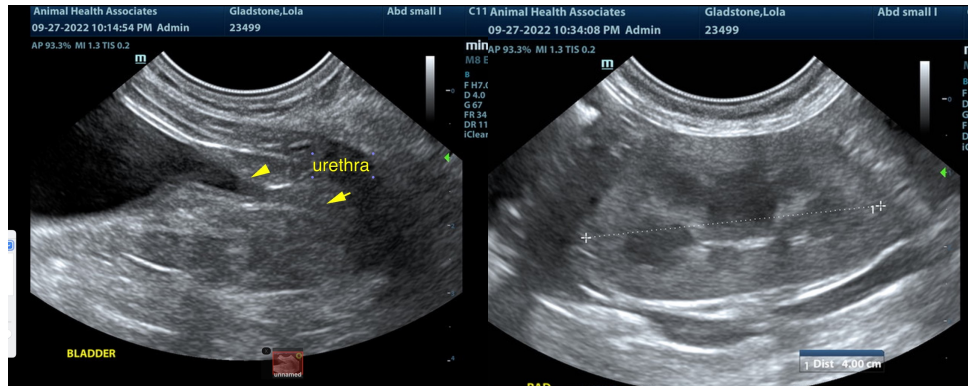
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com