



**PATIENT**

Torra Xu

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

3 Years

**WEIGHT**

3.18 kg

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Bogosian

**HOSPITAL NAME**

Animal Emergency  
Hospital Volusia

**REFERRING VET**

Dr. Bogosian

**INVOICE**

46882

**DATE**

4/23/23

**PRESENTING CLINICAL SIGNS**

P hospitalized for possible lily toxicity and elevated kidney values. Abnormal PE/Chem/CBC/UA Results: Acute kidney injury.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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 were noted. Ureteral papillae were normal.

The **kidneys** presented idiopathic hyperechoic medullary rim sign. The left kidney measured 3.9 cm. The right kidney measured 3.98 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 0.40 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 were noted.

**Liver**

The **liver** presented slight increased portal markings. The gallbladder wall was slightly echogenic.

**Gastrointestinal**

Minor amount of soft ingesta noted in the **stomach**. Transit of chyme into the small intestine appeared to be normal.

**Pancreas**

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.

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen with minor retention of ingesta in the stomach yet chyme transit appeared to be normal.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of significant disease. Supportive care should prove effective. The idiopathic medullary rim sign of the kidneys may be related to acute insult depending upon inflammatory sediment in the urine, yet this also may be an idiopathic finding and occasionally related to underlying FIP depending upon the clinical status of the patient.



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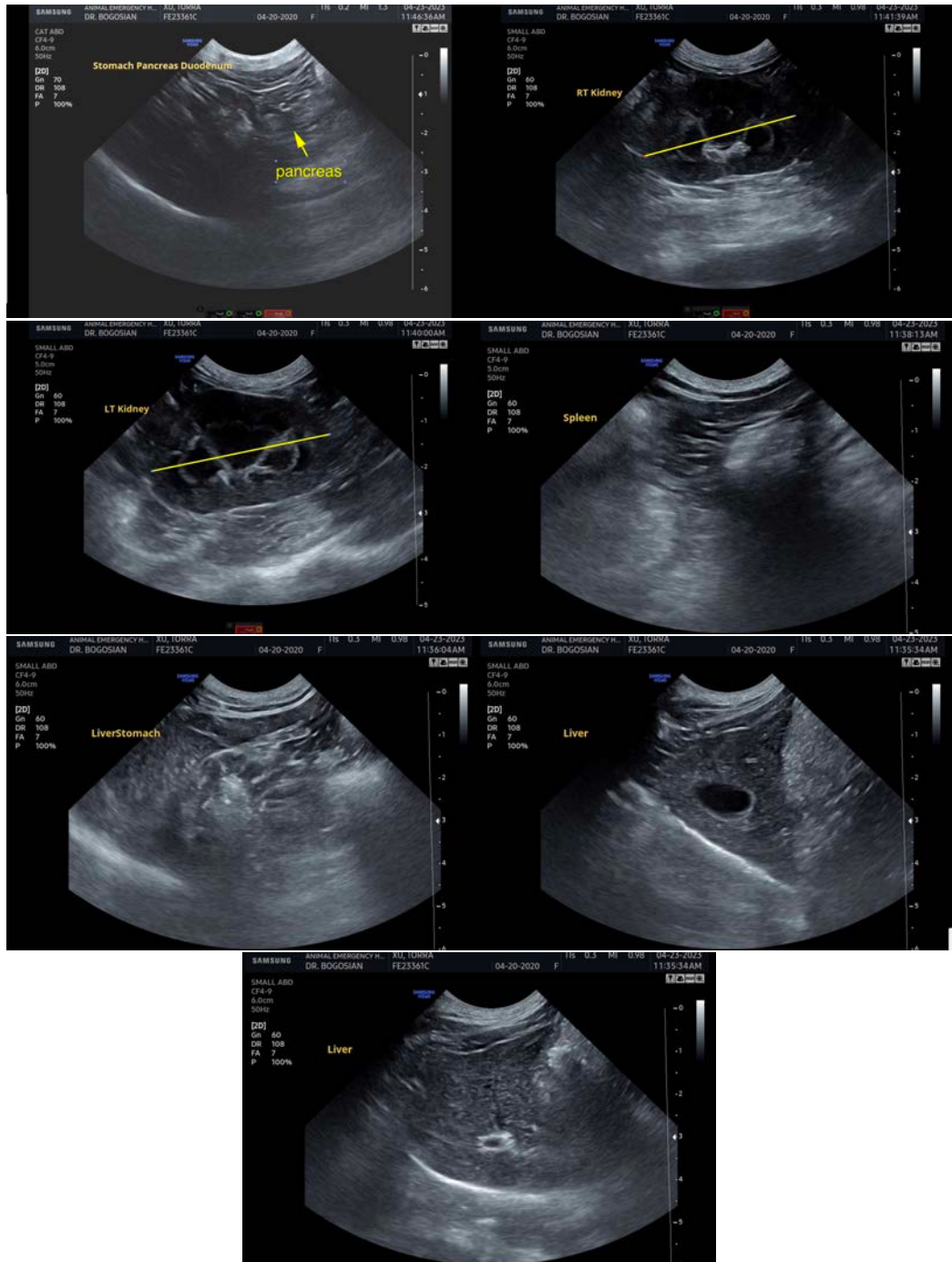
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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