



PATIENT

Joan Maroukian

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

10 years

WEIGHT

12 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jose

HOSPITAL NAME

Elmhurst Animal
Emergency Hospital

REFERRING VET

Dr. Suci

INVOICE

94470

DATE

12/10/21

PRESENTING CLINICAL SIGNS

History: Joan is diabetic, diagnosed August 2021, managed with Lantus insulin 1.5 units Q 12 hours, HX of pancreatitis, she was doing well, but lately she is vomiting more or less daily (either foam or bile) no change on diet lately on Purina DM diet, only indoors, no coughing, sneezing or diarrhea, water intake or urination are normal.

Abnormal PE/Chem/CBC/UA Results: BW done are the family vet yesterday mild azotemia Bun: 34 (10-30), BG: 415 mg/dl TP: 8.7 (5.4-8.2) PCV: 48.6% (24-45) Fecal test NPS Feline heartworm+ fPLI are pending. UA + C&S: Pending.

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 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 4.3 cm. The left kidney measured 4.39 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.

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** was diffusely hyperechoic to the falciform fat. The gallbladder and common bile duct were unremarkable. This is consistent with emerging lipidosis.



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Gastrointestinal

The **stomach** revealed a minor amount of luminal fluid accumulation, yet the gastric wall was unremarkable. The small intestine and colon were unremarkable.

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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.

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ULTRASONOGRAPHIC FINDINGS

Unremarkable abdomen.
Possible emerging hepatic lipidosis.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of significant visceral pathology.

WEIGHT

12 lbs

Potential Causes of Diabetic Dysregulation

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Eric Lindquist, DMV
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This is a suggestive checkoff list when faced with an unregulated diabetic patient:

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- UTI
- Dietary indiscretion/intolerance
- Pancreatitis
- Hyperthyroidism/hypothyroidism

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Exogenous steroids (including topical eye meds)

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- Cushing's
- Acromegaly
- Owner compliance
- Insulin quality issues

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- Antibodies to insulin
- Underlying Neoplasia
- Diffuse liver disease

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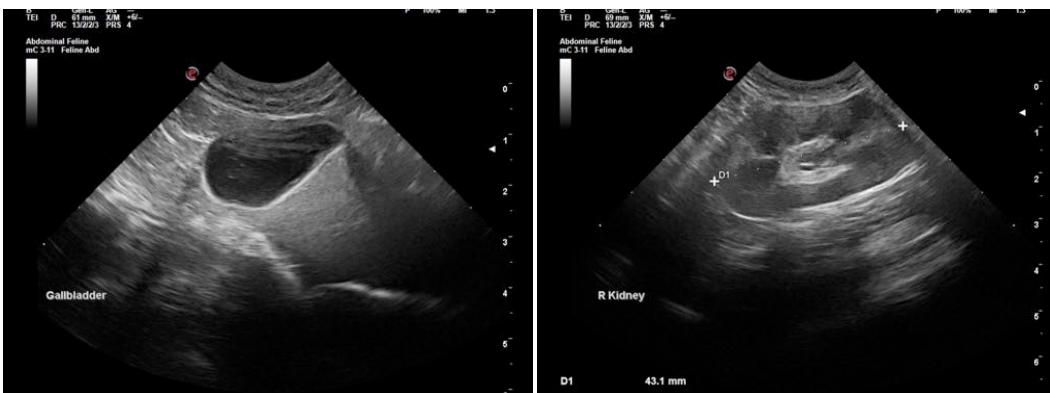
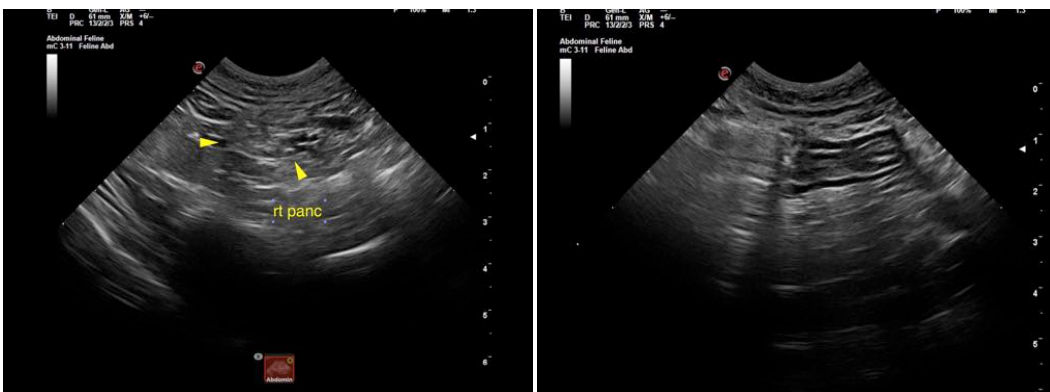
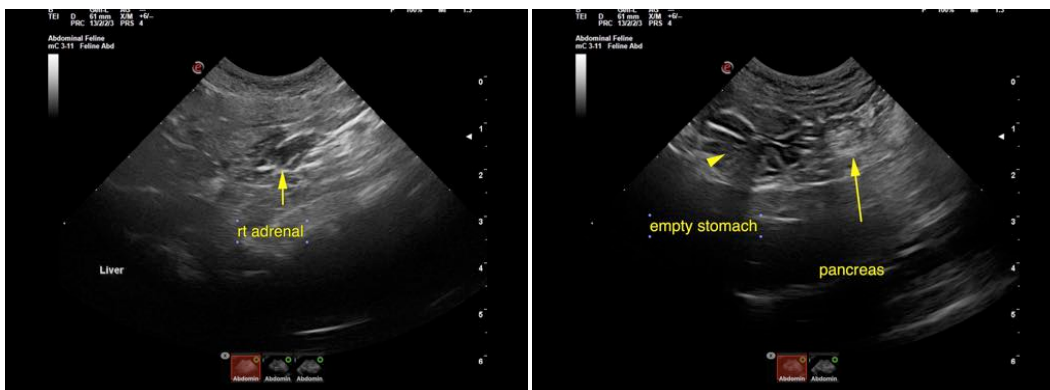
Dr. Suci

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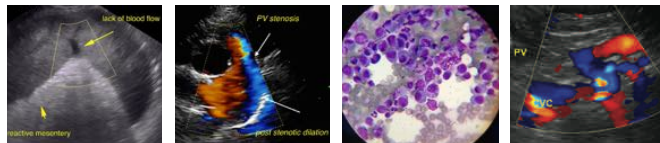
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The information and recommendations provided are based on the images presented by the referring



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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.

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info@SonoPath.com

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