**DATE PRESENTING CLINICAL SIGNS**

12/19/22

PATIENT

Raven Schoff

History: Throwing up multiple times overnight. Has been shaking her head for 2 days. Usually owner will put drops in and she feels better, but wasn't working this time. Just started scooting her bottom too. Not eating today, even treats, but is drinking. Still vomiting today, but hasn't vomited since her triage exam earlier today (1pm). No falling over but didn't want to go down the steps- went up them fine.

SPECIES

Canine

BREED

Maltese Mix

Current Medications: Claro Otic Solution, Metronidazole, Cerenia, Buprenorphine.

Lab Results: Increased Amylase and Lipase, normal WBC's

Radiographs: stomach empty, fluid filled SI loops, loose stool in colon, no visible uterus

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

SEX

Intact Female

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**AGE**

1/1/13

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.

WEIGHT

11.2 Pounds

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Slight pyelectasia was noted in the left kidney measuring 0.19 cm. The right kidney measured 4.49 cm. The left kidney measured 4.11 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 right adrenal gland measured 1.94 cm x 0.67 cm at the caudal pole and 0.78 cm at the cranial pole. The left adrenal gland measured 1.9 cm x 0.61 cm at the caudal pole and 0.58 cm at the cranial pole.

HOSPITAL NAME

Animal Emergency
Hospital

Spleen**REFERRING VET**

Dr. Goessling

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.

INVOICE

20210

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.

Gastrointestinal

The **stomach** was fluid filled in the gastric lumen owing to ileus. The small intestine and colon were unremarkable.

Pancreas

The **pancreas** revealed hyperechoic mixed echogenic changes with remodeling, consistent with chronic active pancreatitis.

Other

The **uterus** was dilated in this patient with echogenic debris. The uterine wall was thickened with luminal fluid accumulation in the right horn. The right ovary was mildly irregular, measuring 1.57 cm x 0.86 cm. The left ovary was mildly irregular with hypoechoic nodular changes, measuring 1.5 cm.

Heart

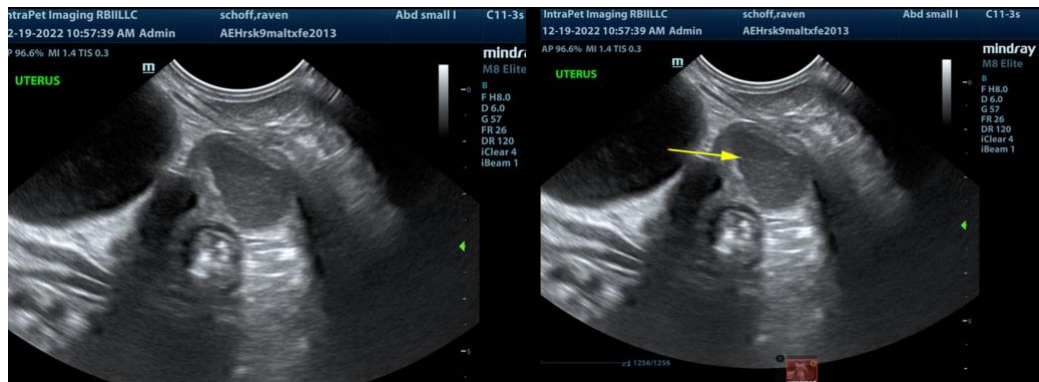
A rapid view of the **heart** revealed no evident pathology.

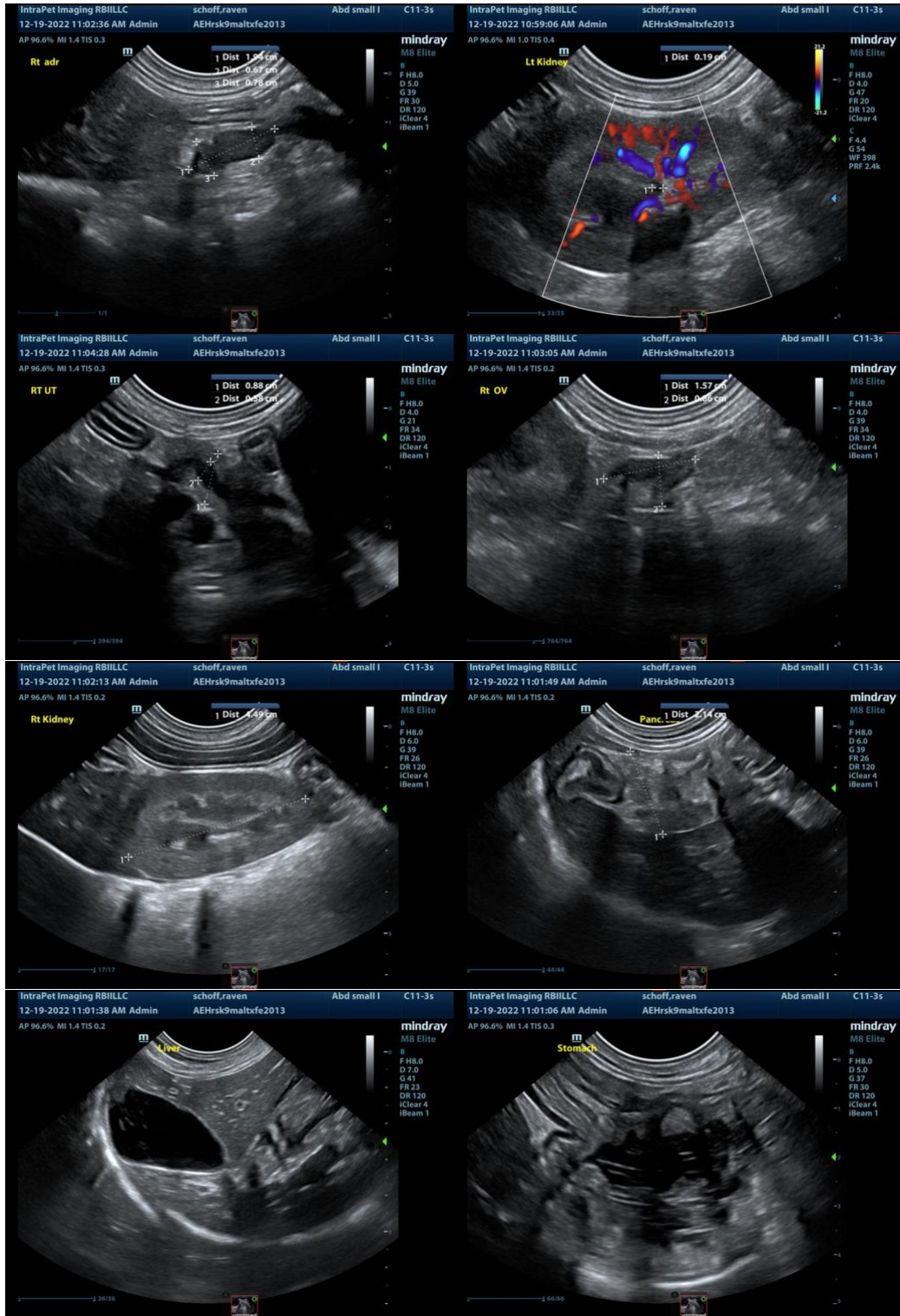
ULTRASONOGRAPHIC FINDINGS

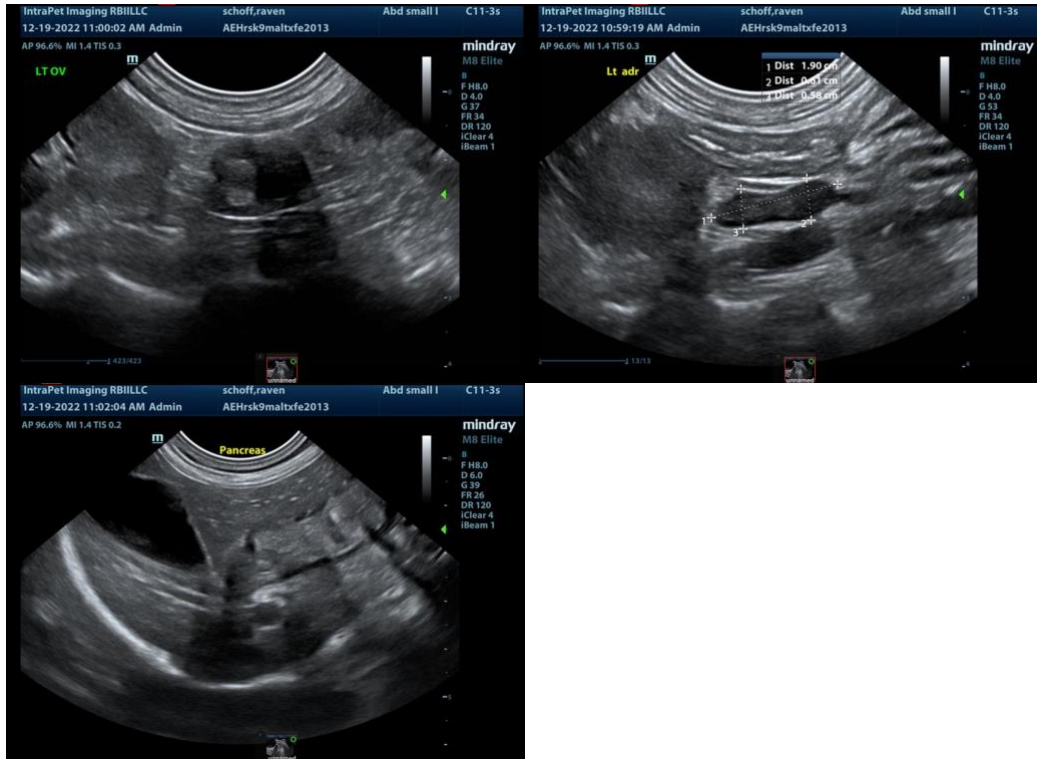
- Mild pyometra/metritis pattern
- Concurrent chronic active pancreatitis, low grade
- Fluid filled gastric lumen, owing to ileus
- Age-related renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ovariohysterectomy is recommended. Inspection +/- biopsy of the pancreas could be considered at the time of the ovariohysterectomy given the convenience of the procedure.







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.

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