



PATIENT

Daisy Wawroski

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

16 Years

WEIGHT

15.5 Pounds

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

**IMAGING
PERFORMED BY**

Jenn

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

INVOICE

12981

DATE

9/11/21

PRESENTING CLINICAL SIGNS

History: pancreatitis V/D acute onset
Abnormal PE/Chem/CBC/UA Results:

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately distended. The wall is normal in thickness with a smooth mucosal surface. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone is normal.

The left kidney is normal size (3.59 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and there is mild to moderate loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney is normal size (5.13 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is mildly enlarged in size (0.54 cm at cranial pole) (0.65 cm at caudal pole) (1.74 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is mildly enlarged in size (0.95 cm at cranial pole) (0.59 cm at caudal pole) (1.71 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal. The spleen measures 1.04 cm.

Liver

The liver is subjectively prominent in size with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and diffusely mottled in appearance. There is a questionable 4.55 cm x 2.41 cm slightly hypoechoic mass/swelling deep mid to right liver. The parenchyma within the lesion is mottled. Overall hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

The gall bladder lumen is moderately distended. The wall is normal in thickness. A small polypoid like region is observed near the neck. The cystic and common bile ducts are normal/not seen. Luminal contents are otherwise anechoic.

Gastrointestinal



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The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal (xxx cm) with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. The lumen of the descending colon contains liquid appearing fecal material. There is no evidence of obstruction.

SPECIES

Canine

Pancreas

BREED

Shih Tzu

The right limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

SEX

Spayed Female

Free Abdomen

The abdominal lymph nodes are normal/not visible. The peritoneal cavity is normal. There is no evidence of inflammation or effusion.

AGE

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ULTRASONOGRAPHIC FINDINGS

Primary Findings

WEIGHT

15.5 Pounds

- Questionable hepatic swelling/mass with diffusely mottled parenchyma- Differentials include neoplasia, inflammatory disease, regenerative nodular hyperplasia, other hepatopathy
- The pancreatic changes are most consistent with age-related parenchymal remodeling, potentially secondary to a prior inflammatory episode, early fibrosis or chronic pancreatitis

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Secondary Findings

- Mild bilateral adrenomegaly
- Bilateral age-related renal pathology

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Three-view thoracic radiographs are recommended to assess for pulmonary metastases.

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Consider a fine needle aspirate of the liver, particularly in the region with the suspected swelling/mass. If cytologic evaluation is inconclusive, consider surgical liver biopsy +/- mass removal, if indicated. Alternatively, a repeat ultrasound can be performed in 3-4 weeks to assess for progression. In the meantime, supportive care for acute gastroenteritis/pancreatitis is recommended.

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Other diagnostic considerations include fecal evaluation for ova/Giardia and a malabsorption panel.

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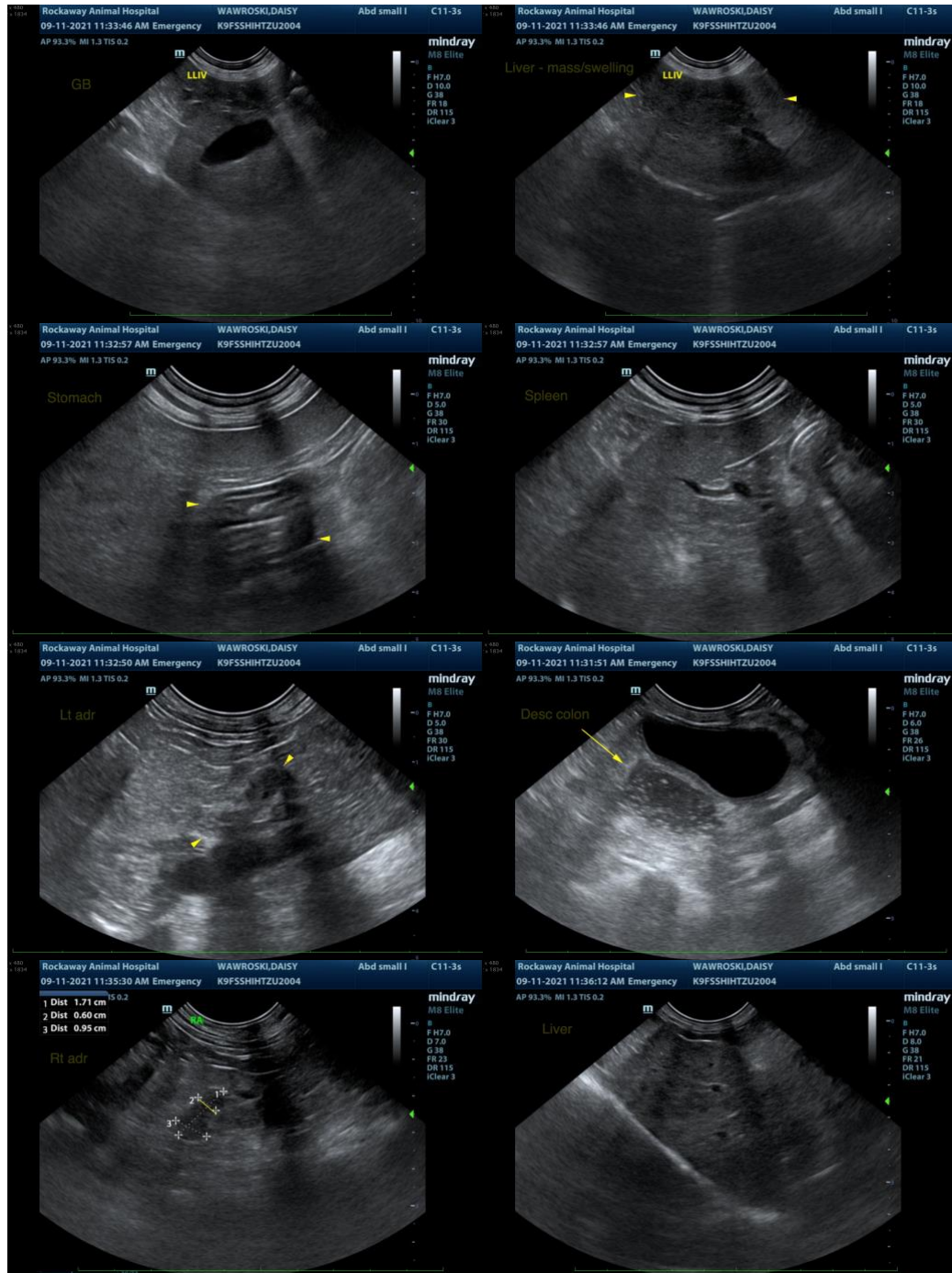
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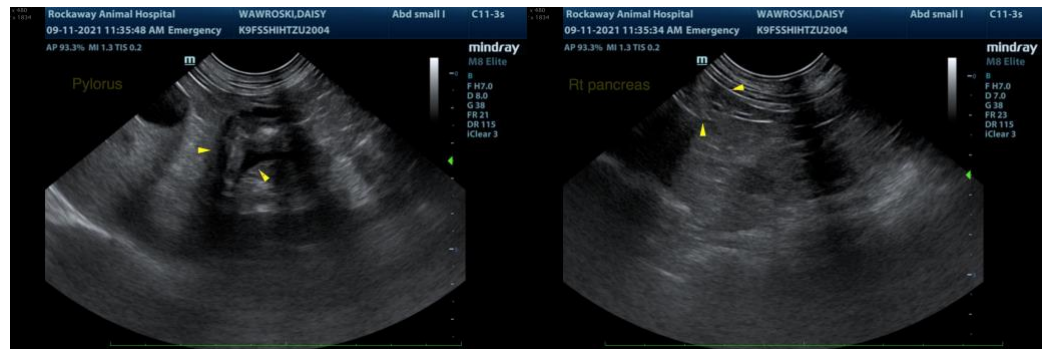
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com