

**PATIENT**

Mia Bartkiw

SPECIES

Feline

BREED

DSH

SEX

Female

AGE

5 Months

WEIGHT

6.1 Pounds

INTERPRETED BYBeth Johnson, DVM
DACVIM**IMAGING PERFORMED BY**

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

Family Pet Practice

INVOICE

41273

DATE

9/13/22

PRESENTING CLINICAL SIGNS

Current Medications: None Patient History: Presented for AUS following ALT elevation on pre-op bloodwork. Toxo titers and Bile acids testing to be done same day as AUS. OHE planned for next couple of weeks Email recent labs, radiographs and this form to: SVSimagingMI@gmail.com 8/10/22 ALT 198 H ALKP 104 H Alb 4.1 H Glob 3 WNL 8/26/22 164- H 92- H 3.3- WNL
 Abnormal PE/Chem/CBC/UA Results: PE WNL Please see attached labs

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

The right kidney is normal in size (3.77 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

The left kidney is normal in size (3.64 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

Adrenal Glands

The right adrenal gland is normal in size (0.35 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.30 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

Spleen

The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. The portal vein to aortic ratio is 1:1 with no obvious portosystemic shunting noted. The vena cava is mildly dilated, but this is likely secondary to Dexdomitor, if appropriate, or passive congestion, over circulation, etc. versus shunting.

The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.

Gastrointestinal

The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions

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per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Pancreas

The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

Free Abdomen

There is no evidence of free peritoneal effusion noted in these images.

The mesenteric and medial iliac lymph nodes are prominent in size with swollen capsular contour. Normal elongated shape (length to width ratio) is maintained. There is no loss of parenchymal detail. This is likely a normal age variant for this kitten.

ULTRASONOGRAPHIC FINDINGS

- **Reactive mesenteric and medial lymph nodes** – Likely a normal age variant for this kitten.
- There is no obvious ultrasonographic cause for this patient’s reportedly increased liver enzymes, including no evidence of portosystemic shunting.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommendations include infectious disease testing including toxo (as is reportedly pending), Lepto, fecal exam, viral testing, etc.

Bile acids is also recommended, as is reportedly pending.

In the meantime, pending results, an empirical course of broad-spectrum antibiotics, hepatic nutraceuticals, and empirical deworming with a 5-day course of Panacur is recommended.

If liver enzymes don’t improve and/or progress, a fine needle aspirate of the liver could be considered if patient’s coagulation status is appropriate.



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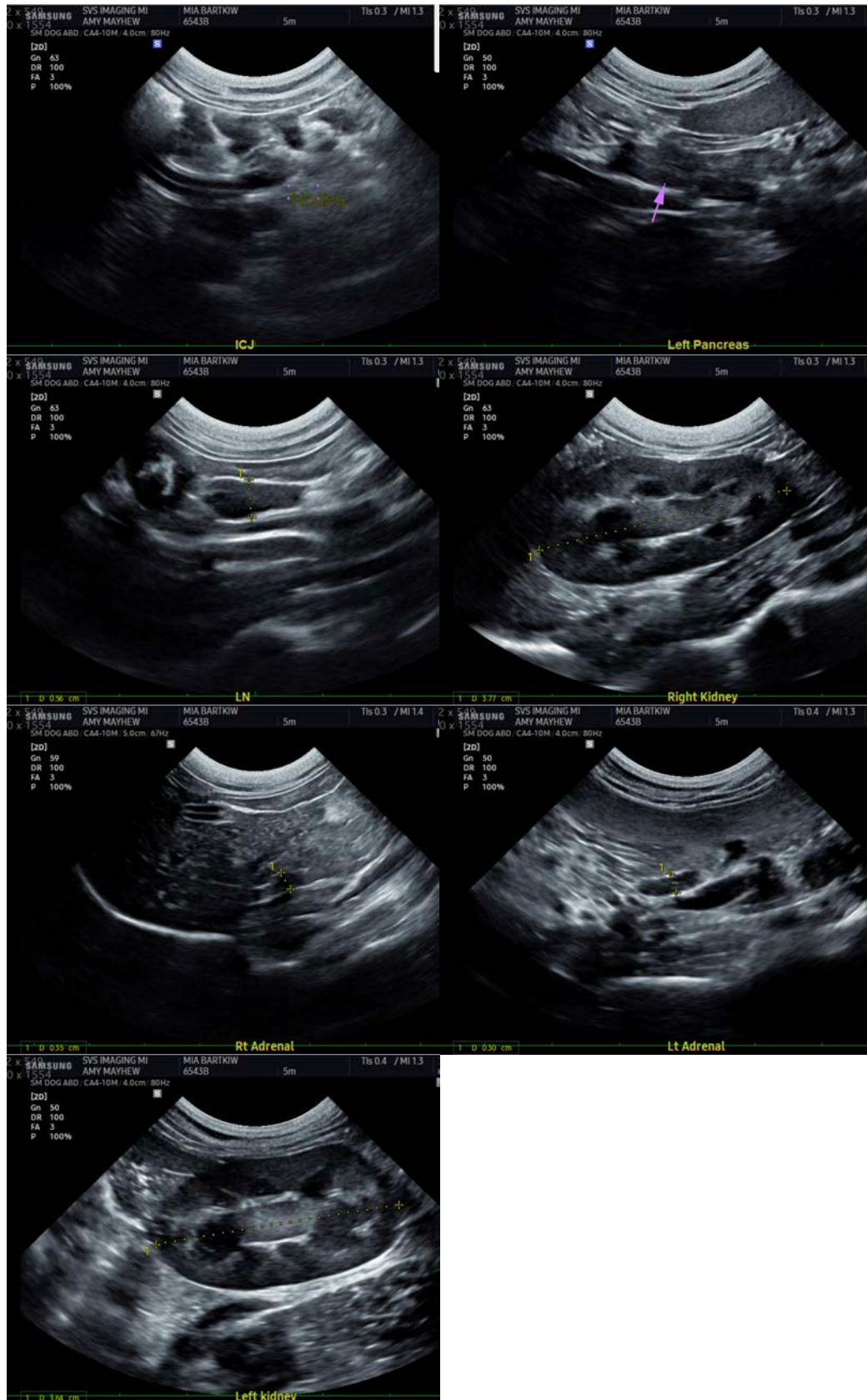
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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Beth.Johnson@sonopath.com

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