



PATIENT

Kenji Flores

PRESENTING CLINICAL SIGNS

History: Weight loss, elevated SAP and ALT. No current meds.
Abnormal PE/Chem/CBC/UA Results: ALT 275, SAP 422, Mg 1.2 (1.5-2.5).

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Akita

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Male, neutered

The prostate is normal in size (1.29 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

AGE

10 Yrs.

The left kidney is normal size (7.23 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

127.2 lbs.

The right kidney is normal size (9.41 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Adrenal Glands

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

The left adrenal gland is normal size (0.57 cm at cranial pole) (0.63 cm at caudal pole) (2.34 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 normal size (1.40 cm at cranial pole) (0.80 cm at caudal pole) (3.79 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.

IMAGING PERFORMED BY

Shari Reffi CVT

Spleen

HOSPITAL NAME

Andover AH

The spleen is normal in size (2.38 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

REFERRING VET

Dr. Hummel

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

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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 pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

SPECIES

Canine

Pancreas

BREED

Akita

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

SEX

Male, neutered

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. Several prominent mesenteric lymph nodes are visualized, one of the larger nodes measures 2.41 cm in length.

AGE

10 Yrs.

Other

The caudal vena cava is subjectively prominent in size.

Brief imaging of the heart was performed but is difficult to evaluate due to lung artifact.

WEIGHT

127.2 lbs.

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

- The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.
- Minor age-related renal changes.
- The prominent caudal vena cava may be a normal variant for this patient or may be secondary to sedation (if applicable). Alternatively, increased hydrostatic pressure (i.e., secondary to congestive heart failure) may be present.

IMAGING PERFORMED BY

Shari Reffi CVT

*An obvious cause for the patient's weight loss and elevated liver enzymes is not identified in this study.

HOSPITAL NAME

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

Dr. Hummel

- Three-view thoracic radiographs are recommended to assess cardiopulmonary status.
- Consider pre and post prandial serum bile acids to further assess hepatic function.
- To further assess for maldigestion/malabsorption as a cause for possible weight loss, consider the following:
 1. A fecal evaluation for ova/Giardia
 2. GI panel (send to Texas A&M).
 3. A 6-week limited antigen diet trial to assess for food allergies

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- Depending on the results of the above diagnostics/therapeutics, gastrointestinal biopsies may be warranted. If surgical biopsies are pursued, a liver biopsy should also be obtained concurrently.

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REFERRING VET

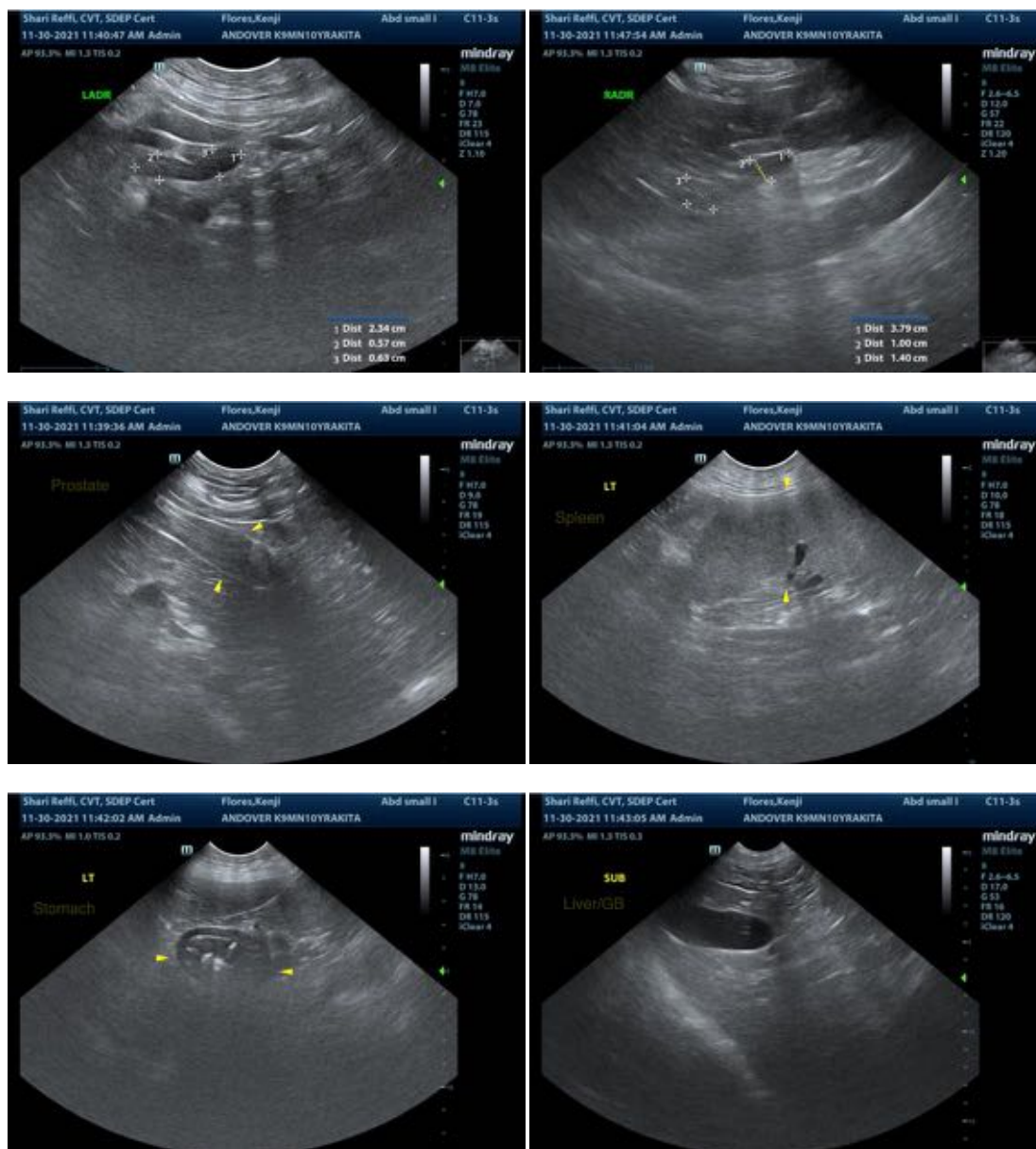
Dr. Hummel

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SPECIES

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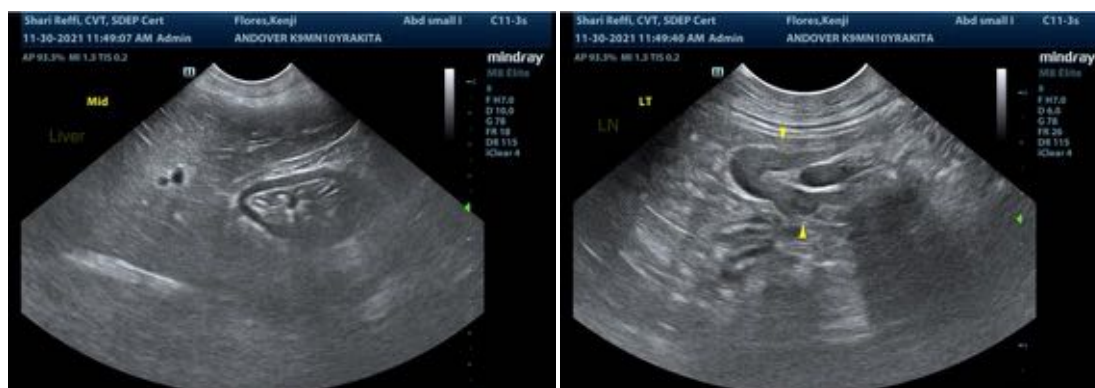
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AGE

10 Yrs.

WEIGHT

127.2 lbs.



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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.

IMAGING PERFORMED BY

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