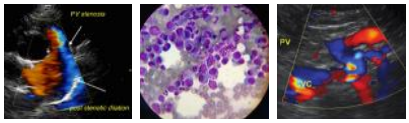
IMAGING PERFORMED BY

IntraPet.com



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
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DATE
2/3/22

PATIENT

Reese Cook

SPECIES

Canine

BREED

Mixed Breed

SEX

Neutered Male

AGE

6/29/10

WEIGHT

45.6 Lbs.

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

HOSPITAL NAME

Eastern HA

REFERRING VET

Dr. Frere

INVOICE

13748

PRESENTING CLINICAL SIGNS

History: Patient presented on 1/24/2022 for an annual exam. Elevated liver values present on senior bloodwork.

Lab Results: Total Protein- 8.8, Albumin- 5.5, AST- 68, ALP- 768, Total Bilirubin- 0.8, Magnesium- 2.8, Cholesterol- 357, Triglycerides- 592, Precision PSL- 248.
Date of Previous IntraPet Ultrasound: No previous IntraPet scans.
Sedation: Not required to complete full diagnostic ultrasound.
Stat Report: Not requested.
Imaging Performed By: Stephanie Pearce RDCS, RVT.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is mildly 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.

The prostate is normal in size (1.28 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

The left kidney presented normal size (6.77 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with mild to moderate loss of corticomedullary distinction. A small cortical cyst is observed at the lateral aspect. Trace pyelectasia is present. There is no evidence of nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney presented normal size (6.40 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 normal size (0.53 cm at cranial pole) (0.66 cm at caudal pole) (1.93 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 (0.64 cm at cranial pole) (0.61 cm at caudal pole) (1.95 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 (1.54 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. A few tiny hyperechoic nodules are observed throughout the organ. Splenic vasculature is normal.

Liver
The liver is subjectively prominent in size with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and exhibits a finely heterogeneous pattern. No focal lesions are observed 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 thin and smooth. A small amount of aggregated echogenic partially dependent debris is observed within the lumen. The cystic and common bile ducts are normal.

Gastrointestinal
The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is gas 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 with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive or overt infiltrative disease is noted.

Pancreas
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.

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

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, regenerative nodular hyperplasia, and/or age-related remodeling. Inflammatory and infiltrative disease are considered unlikely. The slightly elevated total bilirubin in this patient may be artifactual due to sample hemolysis. Consider repeating this test to ensure accuracy.

- Gallbladder debris, non-mucocele

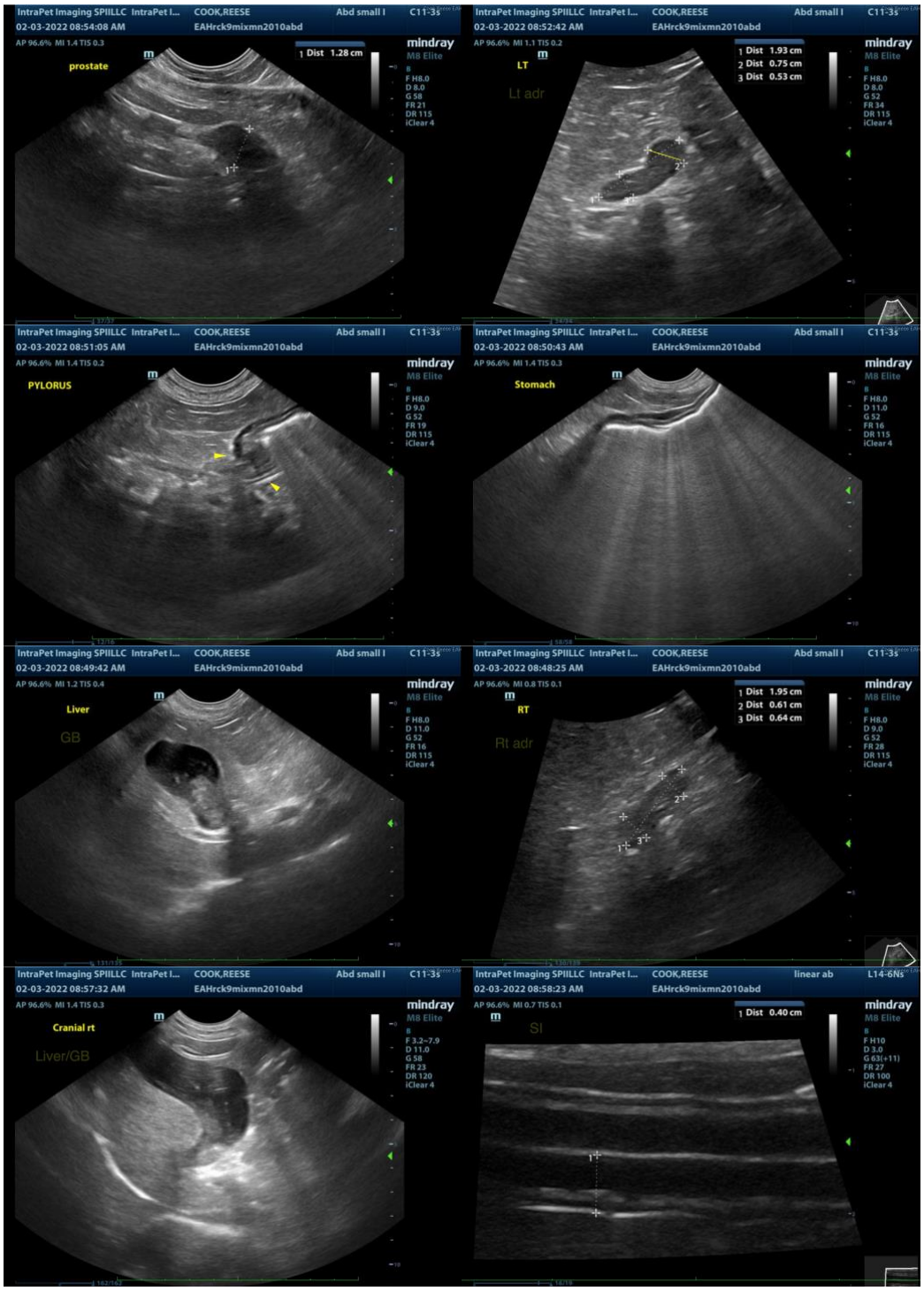
Secondary Findings

- Age-related pancreatic and renal changes

- The splenic nodules are likely benign (i.e., myelolipomas)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Serial monitoring (i.e., every 3-4 months) of the patient's liver values is recommended. Consider repeating a total bilirubin at this time to determine if the original slight elevation is artifactual due to hemolysis. If liver values continue to increase, repeat abdominal ultrasound +/- hepatic tissue sampling may be warranted.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prostate
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IntraPet Imaging SPIILLC IntraPet I... COOK,REESE Abd small I C11-3s
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LT
Lt adr
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2 Dist 0.75 cm
3 Dist 0.53 cm
mindray M8 Elite
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Stomach
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IntraPet Imaging SPIILLC IntraPet I... COOK,REESE Abd small I C11-3s
02-03-2022 08:49:42 AM EAHrck9mixmn2010abd
AP 96.6% MI 1.2 TIS 0.4
Liver
GB
mindray M8 Elite
F H8.0 D 11.0 G 52 FR 16 DR 115 iClear 4
IntraPet Imaging SPIILLC IntraPet I... COOK,REESE Abd small I C11-3s
02-03-2022 08:48:25 AM EAHrck9mixmn2010abd
AP 96.6% MI 0.8 TIS 0.1
RT
Rt adr
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3 Dist 0.64 cm
mindray M8 Elite
F H8.0 D 9.0 G 52 FR 28 DR 115 iClear 4
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Cranial rt
Liver/GB
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SI
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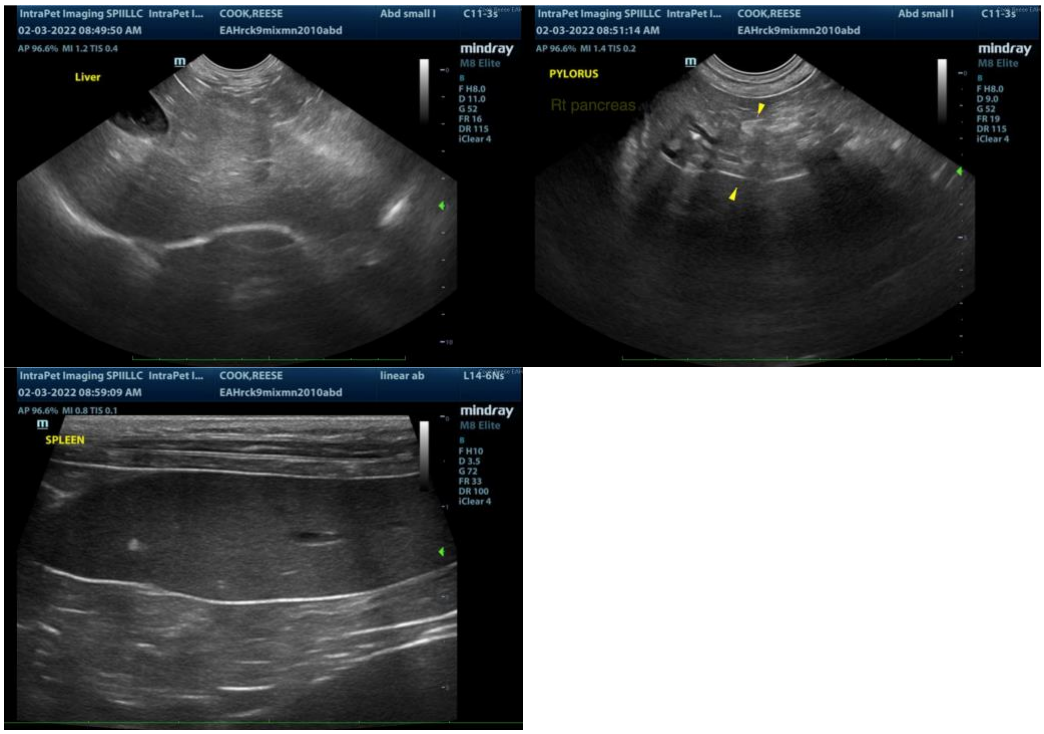
mindray M8 Elite
F H10 D 3.0 G 63(+11) FR 27 DR 100 iClear 4



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)
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