



PATIENT PRESENTING CLINICAL SIGNS

Cisco Rawson P has a history of intermittent anorexia, vomiting/regurgitation and burping. Initially response to Omeprazole therapy was good, however over past couple weeks P's condition has been worsening and P appears to be having more episodes of burping, swallowing etc.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

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.

BREED

Havanese X

Prostate (neutered) is normal in size, echotexture and echogenicity for a neutered male.

SEX

Neutered Male

Right kidney is normal in size (3.5 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. A hyperechoic band parallel to the corticomedullary border is present.

AGE

3 Years 1 Month

Left kidney is normal in size (3.7 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. A hyperechoic band parallel to the corticomedullary border is present.

WEIGHT

12.1 Pounds

Adrenal Glands

Right adrenal gland is normal in size (1.2 cm long x 0.47 cm at cranial pole and 0.69 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

Left adrenal gland is normal in size (0.47 cm at cranial pole and 0.39 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

Spleen

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.

HOSPITAL NAME

ACAH of South Hill

Liver

REFERRING VET

Dr. Preston

Liver is subjectively mildly decreased 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. Visible vasculature and biliary tree appear normal without distension or congestion.

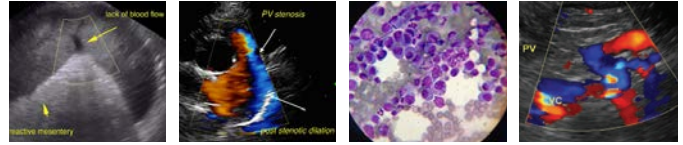
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34183

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.

DATE

1/13/22



PATIENT *Gastrointestinal*

Cisco Rawson Gastric fundic mucosal hypertrophy with hyperechoic mucosa and some mucosal remodeling is noted. There is no loss of mural detail. Layering is normal. The lumen is empty. No evidence of masses/nodules or foreign material present.

SPECIES

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

BREED

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

Pancreas

SEX

Neutered Male 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

AGE

3 Years 1 Month There is no evidence of peritoneal effusion. There is no apparent lymphadenopathy.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

12.1 Pounds

- Subjective mild microhepatica – Rule out normal anatomic patient variant versus vascular anomaly (i.e., portosystemic shunt). No evidence of a shunt visible in these images.
- Gastritis – Microulceration cannot be ruled out.
- Medullary Rim Sign - of unknown clinical significance and can be a normal variant. Medullary rim sign(s) should be interpreted in combination with other more specific indications of kidney disease such as isosthenuria, proteinuria, azotemia, etc.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

ACAH of South Hill

Recommendations for this patient include CBC, serum chemistry panel, electrolytes, and urinalysis. If there are any liver enzyme increases and/or any signs of decreased liver function, follow up bile acids is recommended to definitively rule out portosystemic shunt given the patient's young age and breed. Other diagnostic recommendations include a gastrointestinal malabsorption panel including TLI, PLI, folate and cobalamin as well as baseline cortisol to Texas A&M GI laboratory.

REFERRING VET

Dr. Preston

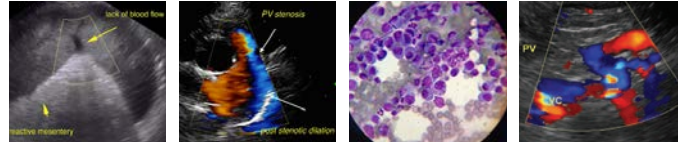
In the meantime, therapeutic recommendations include empirical deworming with a 5-day course of Panacur, as well as slow transition to a novel or hydrolyzed protein diet. Probiotic may also be considered in addition to the previously reportedly prescribed antacid. Due to the ultrasound changes consistent with gastritis in addition to the antacid, a course of Sucralfate may be beneficial.

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PATIENT

Cisco Rawson

SPECIES

Canine

BREED

Havanese X

SEX

Neutered Male

AGE

3 Years 1 Month

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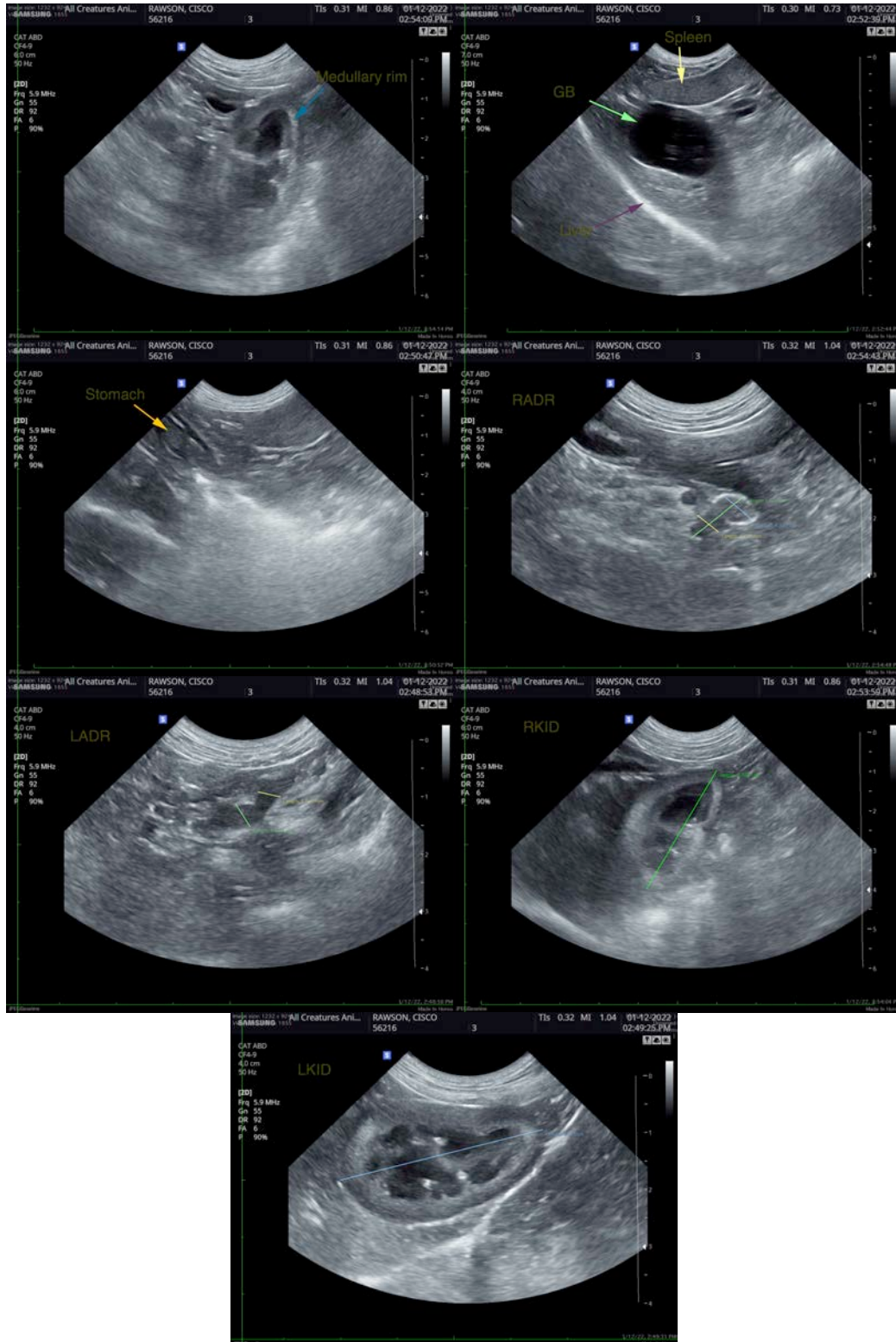
Dr. Preston

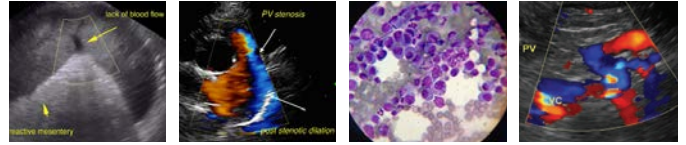
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PATIENT

Cisco Rawson

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.

SPECIES

Canine

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.

BREED

Havanese X

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com

SEX

Neutered Male

AGE

3 Years 1 Month

WEIGHT

12.1 Pounds

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