

PATIENT PRESENTING CLINICAL SIGNS

Rocco Carillo History: Elevated liver values, Hx of PU/PD
Abnormal PE/Chem/CBC/UA Results: AST 77, ALT 348, Ca decreased

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Pomapoo

The urinary bladder is moderately distended with anechoic urine, and no luminal sediment is present. The ureteral papillae, trigone and pelvic urethra are of normal appearance, and the ureters are not visible (normal). No masses, calculi or mucosal irregularities are noted. Urethra visualized to (3.0) cm.

SEX

Neutered male

The prostate is of appropriate size for patient age and neutering status, with a homogenous parenchyma and smooth capsule. The prostatic urethra is non-dilated with normal margins.

AGE

10 years

The kidneys are of normal size and shape and exhibit appropriate corticomedullary differentiation with a normal 1:3 cortex to medulla ratio. There is no evidence of nephrolithiasis, mineralization, pyelectasia, cystic change or hydronephrosis. The proximal ureter is not visible (normal). The left kidney is (3.7) cm in length. The right kidney is (4.0) cm in length.

WEIGHT

13 lbs

Adrenal Glands

The adrenal glands are both identified in their normal locations. They are normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. The left adrenal gland height is (4.4) mm at the cranial pole and (4.1) mm at the caudal pole. The right adrenal gland height is (9.0) mm at the cranial pole and (4.8) mm at the caudal pole.

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

Spleen

The spleen is of appropriate size and has a normal, homogenous parenchyma with a smooth, continuous capsular surface. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal.

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

All Creatures Great
and Small

Liver

The liver is of appropriate size and shape, with sharp borders and a mildly coarse parenchymal echotexture that is hypoechoic to the spleen. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis.

REFERRING VET

Dr. Ashmore

The gallbladder is moderately distended with anechoic contents. The wall was thin and continuous with no focal lesions. The cystic and common bile ducts are normal / not visible.

INVOICE

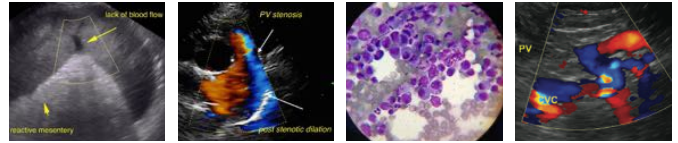
42709

Gastrointestinal

The stomach is empty. The gastric wall is (3.5) mm with normal deviations due to rugal folds, and exhibits appropriate wall layering. The pylorus is of normal appearance.

DATE

2/10/23



PATIENT

Rocco Carillo

The visualized portions of the duodenum, jejunum, and ileum are of normal thickness with intact wall layering that exhibits the appropriate 1:3 muscularis to mucosa ratio. The duodenal wall measures (3.9) mm. The jejunal wall measures up to (3.4) mm. Intestinal motility appears normal.

SPECIES

Canine

The visible portions of the colon are of normal thickness, up to (1.8) mm, with intact wall layering. The ileocecal junction is visualized and appears normal.

BREED

Pomapoo

Pancreas

The areas of the limbs and body of the pancreas are isoechoic to the surrounding mesenteric fat, with normal capsular appearance. There is no evidence of peripancreatic inflammation. The pancreatic duct appears normal.

SEX

Neutered male

Free Abdomen

There is no evidence of free fluid within the peritoneal cavity. The omentum and intra-abdominal fat are of appropriate echogenicity. Enlarged abdominal lymph nodes are not observed. The aortic trifurcation has normal blood flow with no evidence of thrombosis.

AGE

10 years

WEIGHT

13 lbs

ULTRASONOGRAPHIC FINDINGS

PRIMARY FINDINGS:

Unremarkable canine abdomen.

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no apparent cause on today's ultrasound for the reported elevation in liver enzymes, polyuria and polydipsia or low calcium. Possible differentials for an elevated ALT and polyuria and polydipsia may include Leptospirosis so testing with PCR is recommended. Other differentials for a mildly elevated ALT and AST with a normal ultrasound, may include infectious or inflammatory cholangiohepatitis, toxin exposure or gastrointestinal disease. If the patient has no clinical signs of liver disease then rechecking this value in 2 or 3 weeks may be a reasonable text step.

IMAGING PERFORMED BY

Jessica Miller, RDMS

Additional diagnostics for polyuria and polydipsia would include a urinalysis and urine culture, as well as the abovementioned Leptospirosis testing, if not already performed. The ultrasound is not suggestive for Cushing's disease, but if symptoms progress a low-dose Dexamethasone suppression test can also be considered.

HOSPITAL NAME

All Creatures Great
and Small

REFERRING VET

Dr. Ashmore

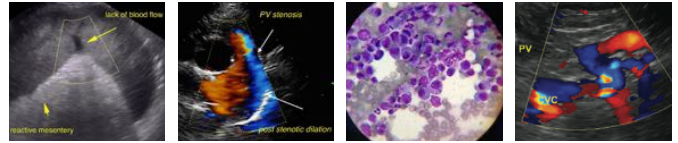
Hypocalcemia is an uncommon finding in dogs and is sometimes spurious. If the calcium is significantly low or if clinical signs such as auscultation or tremors are present, then an ionized calcium level is recommended to confirm that this is a true problem.

INVOICE

42709

DATE

2/10/23



PATIENT

Rocco Carillo

SPECIES

Canine

BREED

Pomapoo

SEX

Neutered male

AGE

10 years

WEIGHT

13 lbs

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

**IMAGING
PERFORMED BY**

Jessica Miller, RDMS

HOSPITAL NAME

All Creatures Great
and Small

REFERRING VET

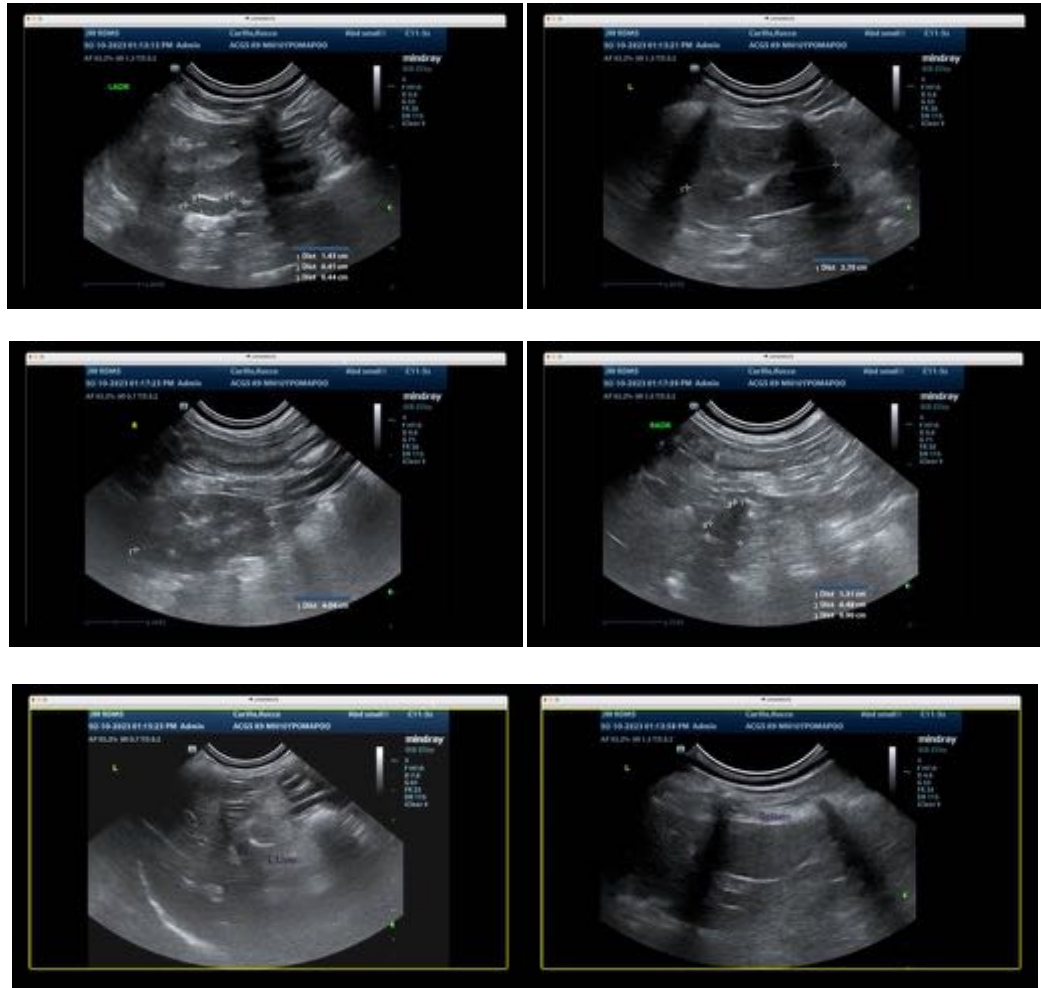
Dr. Ashmore

INVOICE

42709

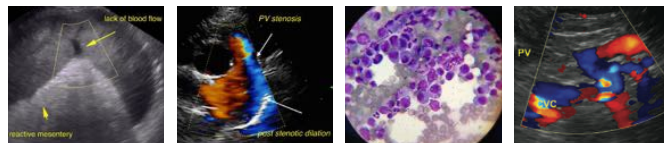
DATE

2/10/23



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.

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.



PATIENT

Tam Mengine, DVM, DABVP (canine/feline practice)

Rocco Carillo

info@SonoPath.com

SPECIES

Canine

BREED

Pomapoo

SEX

Neutered male

AGE

10 years

WEIGHT

13 lbs

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

**IMAGING
PERFORMED BY**

Jessica Miller, RDMS

HOSPITAL NAME

All Creatures Great
and Small

REFERRING VET

Dr. Ashmore

INVOICE

42709

DATE

2/10/23