



PATIENT

Jeffrey Carcione

SPECIES

Canine

BREED

Beagle X

SEX

Neutered Male

AGE

10 Years 8 Months

WEIGHT

34.4 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

North Warren AH

REFERRING VET

Dr. Corrado/Bociulus

INVOICE

45783

DATE

3/8/23

PRESENTING CLINICAL SIGNS

Chronic pancreatitis vs neoplasia. Current meds: Omeprazole, Tramadol, Amoxi/Clav. , Metronidazole, fluids eod.

Abnormal PE/Chem/CBC/UA Results: Elevated CPL-chronic, cushings dz, PLN, mildly elevated ALP

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.

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

The right kidney is normal in size (6.54 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 (6.12 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 (2.73 cm long x 1.29 cm at the cranial pole and 0.68 cm at the caudal pole), shape and contour. A hyperechoic nodule is noted in the cranial pole. Nodule does not disrupt normal shape and/or architecture. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (2.18 cm long x 0.36 cm at the cranial pole and 0.41 cm at the caudal pole), 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.

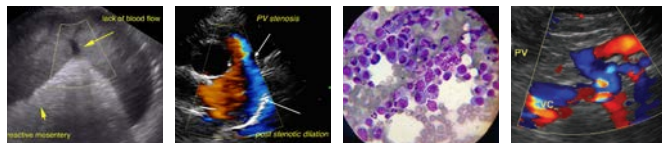
Liver

Liver is subjectively enlarged (swollen contour) without disruption of architecture. It has a normal homogenous echotexture. Parenchyma is diffusely hyperechoic characterized by less prominent than normal portal vein walls and increased echogenicity relative to the spleen and falciform fat. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

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 visible stomach wall is normal in thickness and layering. The lumen of the stomach is mildly distended with echogenic non-shadowing luminal contents and gas consistent with normal ingesta.



PATIENT

Jeffrey Carcione

There is no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

SPECIES

Canine

The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is mildly distended with echogenic non-shadowing luminal contents and gas consistent with normal ingesta. There is no evidence of obstruction, foreign material or infiltrative disease.

BREED

Beagle X

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

SEX

Neutered Male

Pancreas

Pancreas is prominent (enlarged) in size and mildly irregular in shape with a slightly undulating contour, most notable on the right. Parenchyma is coarse in echotexture and heterogenous to hypoechoic in echogenicity.

AGE

10 Years 8 Months

Free Abdomen

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

WEIGHT

34.4 Pounds

There is no apparent lymphadenopathy noted in these images.

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

Beth Johnson, DVM
DACVIM

- **Hyperechoic hepatomegaly** - This appearance is non-specific and most consistent with a benign steroid (endocrine) or vacuolar hepatopathy or reactive or idiopathic hepatopathy. Inflammatory and/or infiltrative disease (such as round cell neoplasia) are also possible, but considered less likely.

- Chronic active pancreatitis

IMAGING PERFORMED BY

Shari Reffi, CVT

- **Hyperechoic adrenal nodule (cranial pole right adrenal gland)** - Differentials include primary adrenal cortical adenoma or adenocarcinoma, pheochromocytoma, myelolipoma, adrenal hyperplasia secondary to pituitary disease or metastatic disease. Ultrasound alone cannot differentiate between functional and non-functional nodules and/or between benign and malignant disease. Small nodules without other evidence of abdominal disease (to suggest metastatic disease) and/or clinical signs (to suggest adrenal disease) are most often incidental and should be monitored.

HOSPITAL NAME

North Warren AH

REFERRING VET

Dr. Corrado/Bociulus

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This patient's reported chronically increased CPL could certainly be due to chronic pancreatitis, given the appearance of the pancreas. However, false positives are also common, especially with the concurrent diagnoses in this patient, especially Cushing's, etc. Transition to a low fat diet (if tolerated) could be considered. However, given the other problems (i.e., protein losing nephropathy), a low fat diet could potentially be contraindicated versus dietary management of the other problems. The decision should be weighed and made clinically. If the patient is not having clinical signs of pancreatitis, additional management/intervention is likely not necessary.

INVOICE

45783

DATE

3/8/23



PATIENT

Jeffrey Carcione

SPECIES

Canine

BREED

Beagle X

SEX

Neutered Male

AGE

10 Years 8 Months

WEIGHT

34.4 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

North Warren AH

REFERRING VET

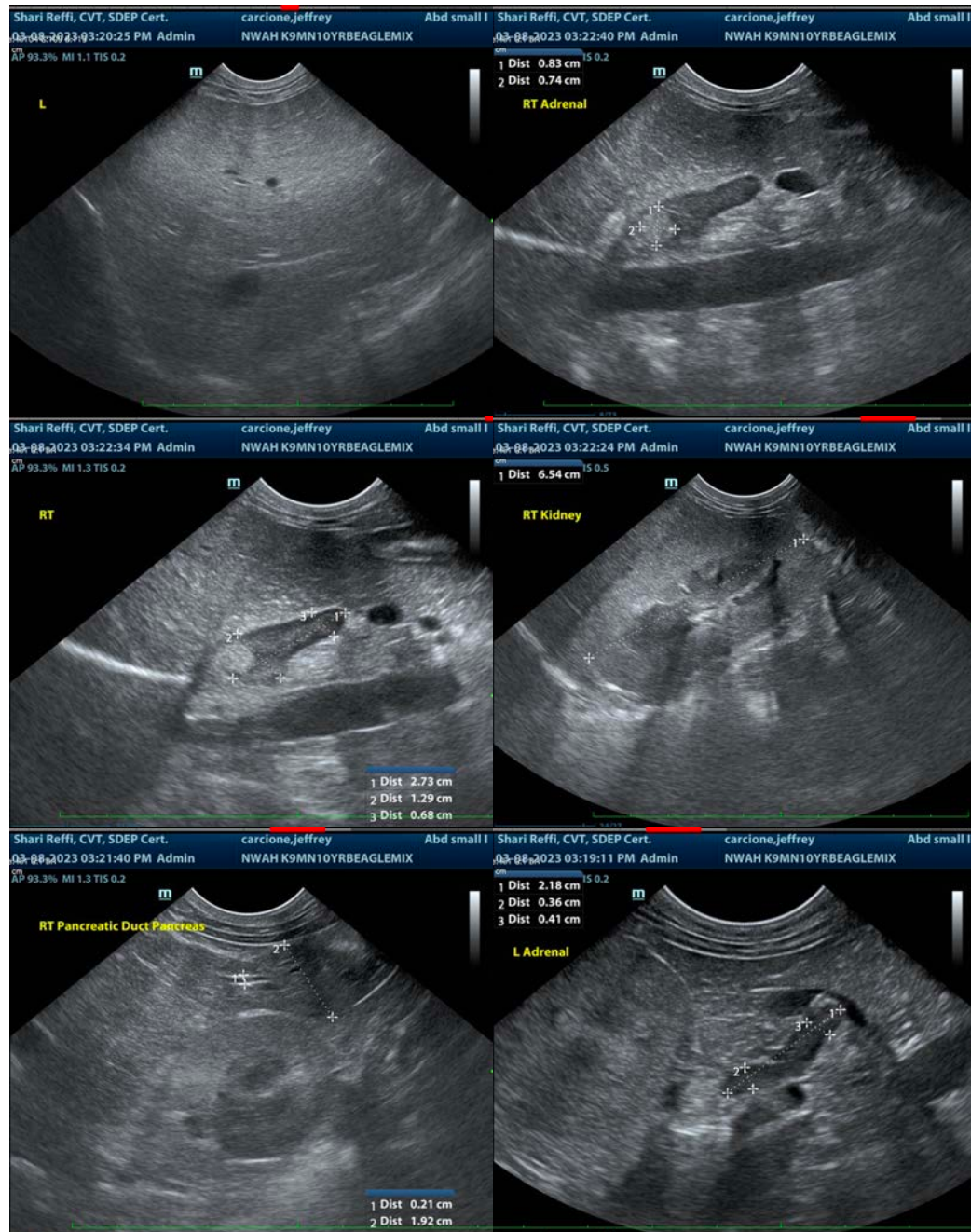
Dr. Corrado/Bociulus

INVOICE

45783

DATE

3/8/23





PATIENT

Jeffrey Carcione

SPECIES

Canine

BREED

Beagle X

SEX

Neutered Male

AGE

10 Years 8 Months

WEIGHT

34.4 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

North Warren AH

REFERRING VET

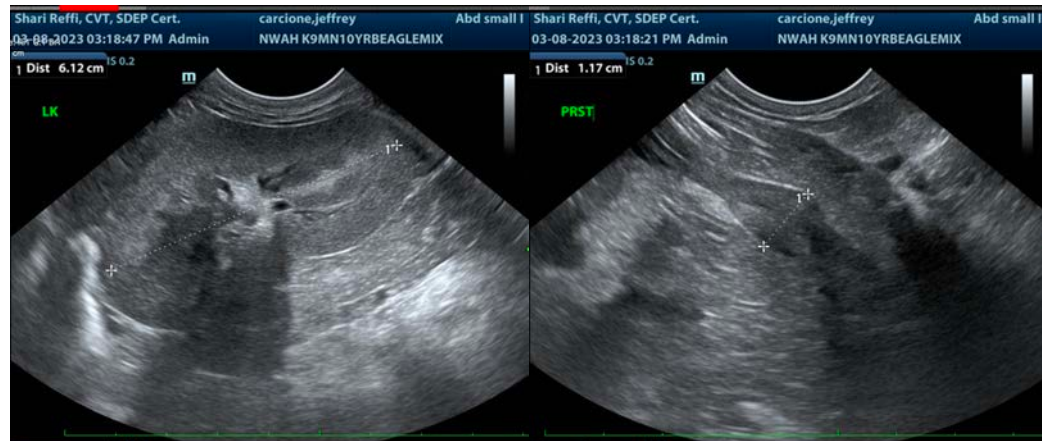
Dr. Corrado/Bociulus

INVOICE

45783

DATE

3/8/23



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.

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