



PATIENT

Lucy Popp

SPECIES

Canine

BREED

Terrier X

SEX

Spayed Female

AGE

14 Years

WEIGHT

8 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Schofield

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Dr. Schofield

INVOICE

35686

DATE

2/16/22

PRESENTING CLINICAL SIGNS

10 days ago went to VCA salem for decrease appetite and being ADR. O was prescribed carprofen for possible inflammation per O. P continued to have a decrease appetite and then started vomiting multiple times. Presented to Wilvet Salem and BW and Xrays performed and pancreatitis was suspect. She was given SQF, Cerenia and gabapentin. She stopped vomiting, started eating (hills i/d) and had a normal BM but has not been drinking water. Tonight she seemed painful in her abdomen and vomited. Abnormal PE/Chem/CBC/UA Results: CBC - Leukocytosis 21.88k, Neutrophilia 19.89k, Elevated PLT 567, Chem17 - Very lipemic, ALT 134, Amylase 1995, Lipase 4893 CPL - very abnormal lytes - wnl 2/15/22 EPCO: Hct 45% Gluc 126 Na 145 K 4.0 cl 119 Lat 2.09

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.9 cm. The right kidney measured 4.8 cm.

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.33 cm. The right adrenal gland measured 0.53 cm.

Spleen

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Multifocal, well-defined, symmetrical, echogenic nodules were present throughout the cranial to caudal parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory or neoplastic changes were not noted. The echogenic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

Liver

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented wall thickening secondary to echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. The stomach was primarily empty.

The duodenum exhibited intact yet mildly prominent wall layering. Duodenum wall measured 0.33 cm. Jejunum wall measured 0.30 cm.



PATIENT

Normal visible colon wall layers were present with apparent formed feces in lumen.

Lucy Popp

Pancreas

SPECIES

The pancreas base and right pancreatic limb were enlarged in size with swollen to asymmetrical contour and hypoechoic to non-homogeneous parenchyma. Right pancreatic limb measured 1.9 cm in width. Regional peripancreatic reactive to mildly inflamed mesentery present. Possible small amount of minor free fluid noted around the right pancreatic limb.

Canine

BREED

PRIMARY FINDINGS

Terrier X

- Active pancreatitis with regional peripancreatic reactive to inflamed mesentery
- Gastroduodenitis
- Probable mild reactive hepatomegaly

SEX

SECONDARY FINDINGS

Spayed Female

- Mild age related kidneys
- Benign splenic nodules – consistent with probable myelolipomas

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

14 Years

Hospitalization with medical therapy for active pancreatitis with as needed gastrointestinal support recommended. Recheck sonogram suggested for reassessment of the pancreas if clinical signs persist or worsen. Minor potential for pancreatic neoplasia, which may present in similar sonographic manner as pancreatic inflammation possible, yet considered less likely.

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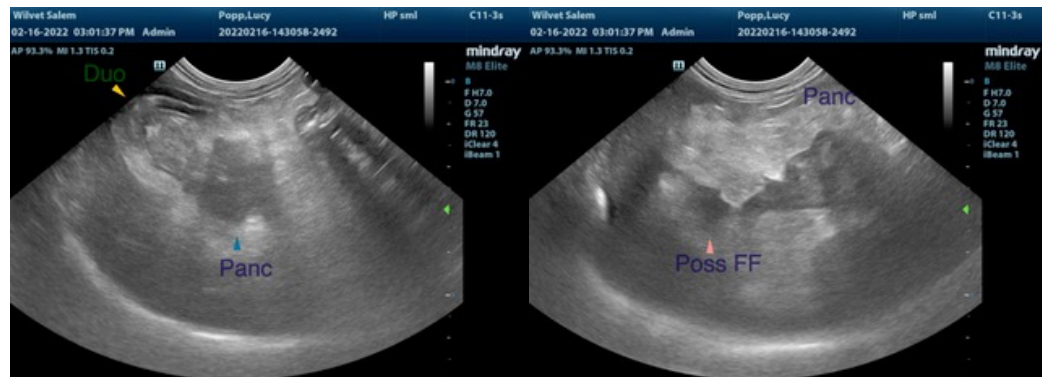
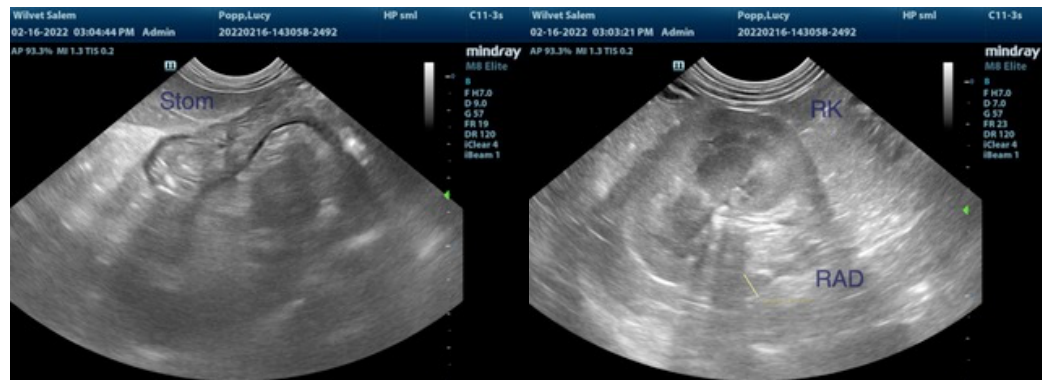
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com