



PATIENT

Celena McKenna

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

9 years, 11 mos

WEIGHT

6.6 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Dr. Leal

HOSPITAL NAME

Blairstown AH

REFERRING VET

Dr. Lovell

INVOICE

10818

DATE

4/27/22

PRESENTING CLINICAL SIGNS

History: Cat presented for annual exam. Cat seems to be acting fine
Abnormal PE/Chem/CBC/UA Results: CBC all WNL. Chemistry shows increased hepatic values (Alk Phos = 132, ALT = 1025, AST = 413). T-4 WNL

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 moderately distended. A moderate amount of suspended, echogenic debris is observed within the lumen. 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 left kidney is normal size (3.27 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

The right kidney is normal size (3.64 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.40 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.45 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (0.80 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The portal vein to caudal vena cava ratio is approximately 1: 1.

The gall bladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. 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 not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. 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 ileocecolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.



PATIENT

Celena McKenna

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

9 years, 11 mos

WEIGHT

6.6 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

IMAGING PERFORMED BY

Dr. Leal

HOSPITAL NAME

Blairstown AH

REFERRING VET

Dr. Lovell

INVOICE

10818

DATE

4/27/22

Pancreas

The pancreas is diffusely prominent in size with minimal deviation from the normal peripheral contours. The parenchyma is hypoechoic relative to surrounding omental fat and subtly mottled in appearance. No distinct focal lesions are observed. The pancreatic duct is visible but not overtly dilated (0.12 cm in diameter).

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. Two to three prominent lymph nodes are observed in the right cranial quadrant, the largest measuring 0.72 cm in length. In addition, a few mesentery lymph nodes are seen, the largest measuring 1.12 cm in length.

Other

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The pancreatic changes are suggestive of chronic pancreatitis. However, correlation with clinical findings is recommended.
- The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.
- The urinary bladder debris could be consistent with cells, crystals and/or exfoliated material.

* An obvious cause for the elevated liver enzymes is not identified in the study. However, a microscopic hepatopathy (i.e., bacterial cholangiohepatitis, lymphoplasmacytic hepatitis, hepatic lipidosis, infiltrative neoplasia (less likely)) is suspected.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Hepatic tissue sampling (i.e., fine-needle aspirate or surgical biopsy) is recommended. Surgical biopsies are preferred in that they are more likely to be representative of global organ pathology. If pursued, aerobic and anaerobic bile cultures are also recommended.
- Also, given the sonographic changes in the liver and pancreas, consider Toxoplasmosis testing (IgM, IgG).
- If a conservative approach is desired, consider empirical treatment for bacterial cholangiohepatitis (amoxicillin-clavulanic acid +/-metronidazole, Denamarin). If no improvement in the liver values is seen within 7-10 days of initiating therapy, antibiotics should be discontinued, and hepatic tissue sampling reconsidered. If liver values improve, continue therapy for at least 4-6 weeks and 1 week beyond normalization of the liver values.



PATIENT

Celena McKenna

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

9 years, 11 mos

WEIGHT

6.6 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Dr. Leal

HOSPITAL NAME

Blairstown AH

REFERRING VET

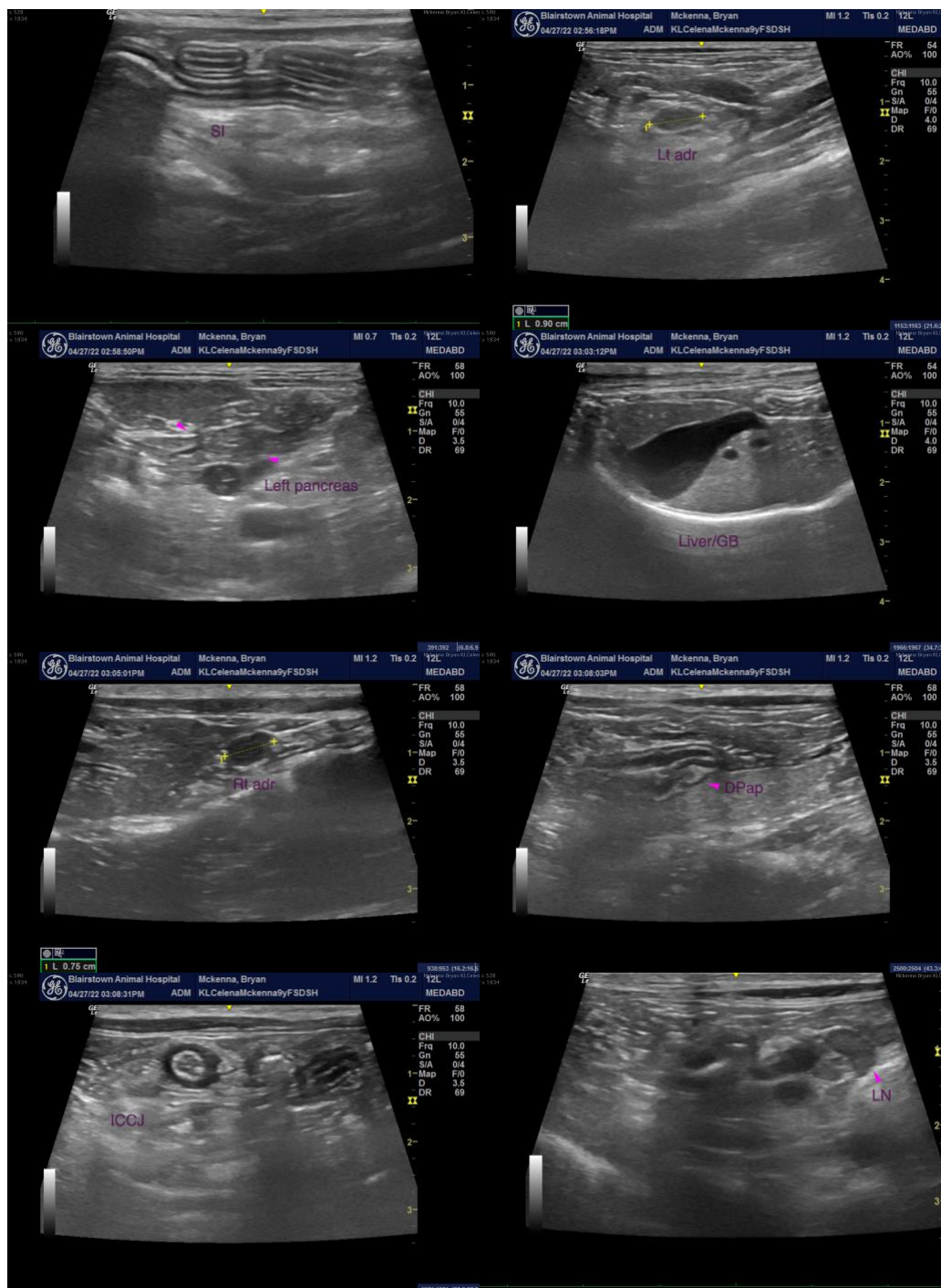
Dr. Lovell

INVOICE

10818

DATE

4/27/22





PATIENT

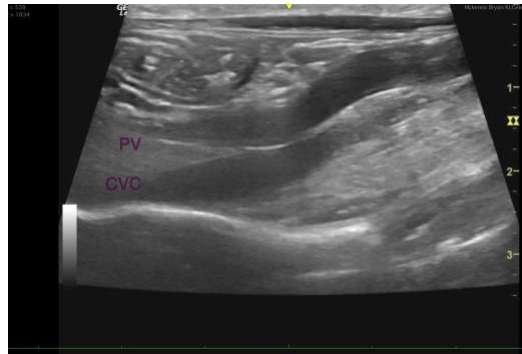
Celena McKenna

SPECIES

Feline

BREED

DSH



SEX

Spayed Female

AGE

9 years, 11 mos

WEIGHT

6.6 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Dr. Leal

HOSPITAL NAME

Blairstown AH

REFERRING VET

Dr. Lovell

INVOICE

10818

DATE

4/27/22

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.

Andrea Nicastro, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com