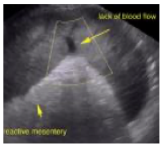
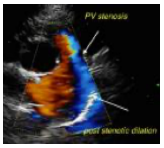
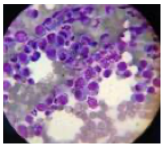
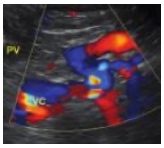
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™

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1-800-838-4268 info@sonopath.com

PATIENT

Willow Elmslie

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

14 years

WEIGHT

5.8 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Sheldon

HOSPITAL NAME

Advanced PC Oakland

REFERRING VET

Dr. Sheldon

INVOICE

12643

DATE

4.3.23

PRESENTING CLINICAL SIGNS

History: Losing a lot of weight slowly over the past 8 months. Eating less the last 7-10 days, prior to this her appetite was normal. Drinking a lot the past week. Indoor/Outdoor- not utd on vaccs. Occasionally vomits at night. Less energy than normal. Did get in a fight last month with another cat outside. Bloodwork - ALT 215 HI, Na 167 HI, T4 8.7. FELV/FIV test negative

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone is normal.

The left kidney is normal in size (3.67 cm in length) with a normal shape, architecture and smooth peripheral margins. The cortex is isoechoic relative to the spleen. There is a normal 1:3 cortex to medulla ratio mild to moderate loss of normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

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

Adrenal Glands

The left adrenal gland is normal size (0.30 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.41 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (0.64 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 normal to slightly prominent with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen. A 0.62 cm hypoechoic nodule is observed on the right side. The remaining parenchyma is homogenous. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion. The portal vein to caudal vena cava ratio is approximately 1: 1.

The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal.

Gastrointestinal

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. Several small intestinal segments are mildly hyperperistaltic. The wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileocecocolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.

Pancreas
The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen
There is questionable scant ascites. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Hepatic changes are non-specific and could be consistent with hepatic lipidosis, inflammatory/infectious disease, infiltrative neoplasia, normal variant, or other hepatopathy. The hypoechoic hepatic nodule could be consistent with an inflammatory focus, granuloma, focus of lymphoid hyperplasia, emerging tumor, other.

- Questionable scant ascites

Secondary Findings

- Bilateral chronic age-related renal changes

  *An obvious cause for the patient's clinical signs is not definitively identified in this study. Considerations include microscopic gastrointestinal disease (i.e., food allergy/intolerance, inflammatory bowel disease, infectious/parasitic disease), underlying metabolic issue (i.e., liver disease), other.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Given the elevated ALT and sonographic hepatic changes, consider pre-and postprandial serum bile acids. Other diagnostic considerations include the following:

  1. Three-view thoracic radiographs to assess for occult neoplasia in the chest
  2. Orthopedic and neurologic examinations to assess for nonmetabolic causes for the patient's clinical signs.
  3. Fecal evaluation for ova and Giardia
  4. GI panel including serum cobalamin and folate, TLI and PLI
  5. Depending on the results of the above diagnostics, endoscopic or surgical biopsies may be necessary to get a definitive diagnosis.
  6. Hepatic tissue sampling may also be warranted (if clotting status is appropriate).
  7. While awaiting test results, symptomatic care along with nutritional support (to help prevent/treat hepatic lipidosis) is recommended.


Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
C11-3s
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mindray
L ADRENAL
Dist 0.30 cm
Dist 0.27 cm


Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
C11-3s
04-03-2023 03:06:02 PM Admin
20230403-145137-099D
mindray
Liver
Dist 0.55 cm
Dist 0.55 cm


Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
C11-3s
04-03-2023 03:07:55 PM Admin
20230403-145137-099D
mindray
R ADRENAL
Dist 0.40 cm
Dist 0.41 cm


Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
C11-3s
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20230403-145137-099D
mindray
Spleen
Stomach


Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
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20230403-145137-099D
mindray
Liver


Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
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Advanced Pet Care of Oakland
Elmslie,Willow
Abd Feline
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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.

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