



PATIENT

Simba Lasso

PRESENTING CLINICAL SIGNS

History: Recheck liver from 5/17/22 (report attached) dx benign hepatic hepatopathy. Current meds: Denamarin

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Yorkshire terrier

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. 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.

SEX

Male, neutered

The prostate is normal in size (0.76 cm in width) and shape with smooth peripheral contours. The parenchyma exhibits mild heterogeneity. No distinct focal lesions are observed. The prostatic urethra is not overtly dilated.

AGE

10 Yrs.

The left kidney is normal size (4.21 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with mild loss of corticomedullary distinction. A few small cortical cysts are seen. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

10 lbs.

The right kidney is normal size (3.84 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with mild loss of corticomedullary distinction. A few small cortical cysts are seen. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is normal size (0.51 cm at cranial pole) (0.56 cm at caudal pole) (1.72 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Shari Reffi CVT

The right adrenal gland is normal size (0.65 cm at cranial pole) (0.48 cm at caudal pole) (1.80 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

HOSPITAL NAME

All Creatures Great
and Small Denville

Spleen

The spleen is normal in size (1.17 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.

REFERRING VET

Dr. ASHmore

Liver

The liver is subjectively prominent in size with swollen/rounded peripheral contours. The parenchyma is isoechoic relative to the spleen and is homogeneous with a coarse echotexture. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. A moderate amount of aggregated/organized echogenic partially-dependent sludge in a partially stellate pattern is observed within the lumen. The cystic and common bile ducts are normal/not seen.

INVOICE

13865

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Gastrointestinal

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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 colonic wall is normal. No obstructive disease is noted.

SPECIES

Canine

Pancreas

BREED

Yorkshire terrier

The base and right limb of the pancreas are visible with normal curvilinear peripheral contours. The parenchyma is largely hyperechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

SEX

Male, neutered

Free Abdomen

AGE

10 Yrs.

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

WEIGHT

10 lbs.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Suspected benign, diffuse hepatopathy. Vacuolar hepatopathy is the top differential. However, correlation with the patient's liver values is recommended. Changes are similar to the previous sonogram.
- The gallbladder changes are concerning for a developing mucocele.

Secondary Findings:

- Age-related pancreatic remodeling with suspected fibrosis. Mild chronic pancreatitis is also possible, particularly if the clinical history supports this finding.
- Age-related prostatic remodeling.
- Minor age-related, degenerative renal changes.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Given the gall bladder changes, Ursodeoxycholic acid (Ursodiol) at 10-15 mg/kg once a day is recommended. Serial sonographic monitoring (e.g., every 6-8 weeks) of the gall bladder is recommended to assess for progression to a fully-formed mucocele.
- Serial monitoring of the patient's liver values is recommended. If values increase, repeat sonography +/- hepatic tissue sampling may be warranted.

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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