



PATIENT

Holly Zack

SPECIES

Canine

BREED

Chihuahua

SEX

Female, spayed

AGE

11 Yrs.

WEIGHT

8.4 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Kim Liedberg

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

WVRC Urbanik

INVOICE

13847

DATE

8/17/22

PRESENTING CLINICAL SIGNS

History: Patient History (required): Holly presented to WVRC on 8/17/2022 for evaluation of a cough (present since July) and abdominal effusion. Ms.Zach reports no history of sneezing, vomiting or diarrhea. Holly is up to date on her vaccinations and has no pertinent reported medical history. E/D/Ur/Def WNL. O reports that Holly had a dental cleaning in July. BW was normal at that time. Shortly after, Holly began coughing. Holly was evaluated by her primary care veterinarian and was discharged with clavamox. The O does not feel hat this has helped. The last few days, the O noted abdominal distention. Holly was evaluated by her pDVM yesterday. TxR and AxR reportedly revealed abdominal and pleural effusion. Holly was discharged with a cough suppressant (last given this am at 5:30 am- O is unaware of name or dose) which has also not helped, and was directed to D/C the clavamox. Holly was referred here for further evaluation.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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. The region of the trigone is normal.

The left kidney is normal size (3.41 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

The right kidney is normal size (3.78 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

Adrenal Glands

The left adrenal gland is mildly enlarged (0.51 cm at cranial pole) (0.62 cm at caudal pole) (1.36 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.

The right adrenal gland is mildly enlarged (0.82 cm at cranial pole) (0.65 cm at caudal pole) (1.60 cm in length) with a slightly irregular shape. The parenchyma at the cranial aspect is mildly heterogeneous. The glandular echogenicity and detail at the caudal aspect. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (0.81 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



PATIENT

Holly Zack

congestion. No pathological hepatic lymphadenopathy observed. 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/not seen.

SPECIES

Canine

Gastrointestinal

The gastric wall in the region of the fundus is moderately thickened (up to 0.79 cm) with questionable retention of the normal layering pattern. The remaining gastric wall is normal in thickness with a normal layering pattern. The gastric lumen is not distended. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is diffusely thickened (up to 0.42 cm). There is retention of the normal layering pattern. There is evidence of mucosal fogging and striations in several segments. Discreet masses are not identified. The colonic wall is normal. The colonic lumen contains liquid appearing fecal material. No obstructive disease is noted.

BREED

Chihuahua

SEX

Female, spayed

Pancreas

A portion of the pancreas is obscured by the abdominal fluid and hyperechoic mesentery. In the visualized portions, no obvious pathology is seen.

AGE

11 Yrs.

Free Abdomen

A moderate amount of free fluid is present. The mesentery throughout the abdomen is hyperechoic. The abdominal lymph nodes are normal/not visible.

WEIGHT

8.4 lbs.

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

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

Primary Findings:

- Bowel pattern consistent with a chronic enteropathy. Differentials include lymphangiectasia, inflammatory bowel disease, lymphoma, infectious disease, other.
- The gastric wall changes could be consistent with gastritis, hypertrophy, or emerging neoplasia.
- The ascites may be secondary to low oncotic pressure, increased hydrostatic pressure (i.e., due to congestive heart failure, if applicable), or increased vascular permeability. Correlation with the clinical history is recommended.

IMAGING PERFORMED BY

Kim Liedberg

Secondary Findings:

- Mild bilateral adrenomegaly.
- Minor age-related chronic renal changes.

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

WVRC Urbanik

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Repeat bloodwork including a CBC, chemistry panel, and urinalysis is recommended to assess overall metabolic function, particularly the patient's albumin level.
- Consider submission of the abdominal fluid for analysis and cytology.

INVOICE

13847

DATE

8/17/22



PATIENT

Holly Zack

- If the echocardiogram does not support right sided congestive heart failure as a cause for the ascites, a more advanced workup (i.e., GI biopsies) may be warranted.

SPECIES

Canine

BREED

Chihuahua

SEX

Female, spayed

AGE

11 Yrs.

WEIGHT

8.4 lbs.



INTERPRETED BY

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



IMAGING PERFORMED BY

Kim Liedberg

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

WVRC Urbanik

INVOICE

13847



DATE
8/17/22



PATIENT

Holly Zack

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.

SPECIES

Canine

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.

BREED

Chihuahua

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

SEX

Female, spayed

AGE

11 Yrs.

WEIGHT

8.4 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Kim Liedberg

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

WVRC Urbanik

INVOICE

13847

DATE

8/17/22