

PATIENT

Ally Oop Corey

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

7.5 Pounds

WEIGHT

9 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

HOSPITAL NAME

Countryside AC

REFERRING VET

Dr. Cox

INVOICE NUMBER

14584

DATE

4/4/22

PRESENTING CLINICAL SIGNS

History: Got back from Sunriver on Sunday (left on Friday). Didn't eat well while there (not abnormal) but still not back to eating normally. Drinking less than usual. Seems less active. Thursday PM - did have a small hanging dingleberry on her rectum and was scooting a lot. Saw some blood on bed that night - thought it was from scooting. Cannot think of any changes to routine prior to Friday. Icteric, pale tacky MM upon presentation. tar like, blood stool from rectal exam. see BW values. weight loss of 2lbs since 2020

Abnormal PE/Chem/CBC/UA Results: see attached - lots of abnormal values - notable elevated liver values, low hct, low alb

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 4.64 cm. The right kidney measured 5.3 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 1.47 cm x 1.13 cm at the cranial pole and 0.45 cm at the caudal pole. The left adrenal gland measured 1.24 cm x 0.33 cm at the cranial pole and 0.37 cm at the caudal pole.

Spleen

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

Liver

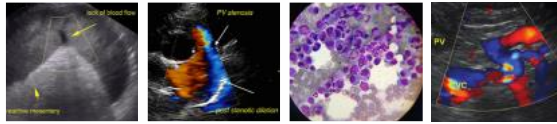
The **liver** revealed irregular contour and diffuse macronodular hepatic changes were noted. No normal liver appearance present.

Double layered **gallbladder** was noted.

Gastrointestinal

Gastric thickening was present. Free fluid noted.

Pancreas



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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SPECIES *Free Abdomen*
Canine
Enhanced **mesentery** noted around the pyloric outflow, liver and pancreas.

BREED Chihuahua
Other
A rapid view of the **chest** revealed free fluid as well, which would be justified if current albumin levels (at the time of the sonogram were <1.5). Given that the albumin level was 1.8, oncotic pressure was poor yet not adequate to cause third spacing of fluid on its own. Concurrent portal hypertension is likely the cause, owing to diffuse hepatic disease/cirrhosis pattern. Otherwise underlying neoplastic event, such as lymphoma, could be considered.

- SEX** Spayed Female
- AGE** 7.5 Pounds
- WEIGHT** 9 Pounds
- ULTRASONOGRAPHIC FINDINGS**
- The nodular changes noted and irregular contour are consistent with diffuse liver disease. The pattern would fit cirrhosis best. Mild potential for underlying neoplasia.
 - Double layered gallbladder
 - Variable upper gastrointestinal thickening and free fluid. The free fluid is likely owing to portal hypertension combined with poor oncotic pressure/low albumin.
 - Free fluid in the chest. *See Other section
 - Volume contracted spleen

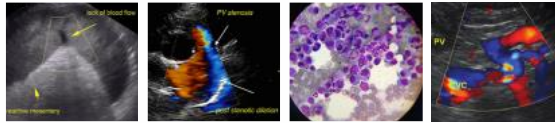
INTERPRETED BY Eric Lindquist, DMV, DABVP, Cert. IVUSS
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
FNA could be considered. Abdominocentesis and Pleurocentesis with cytospin could be considered to assess for neoplasia, however, prognosis is extremely guarded to poor, given the severe state of the hepatic pathology.

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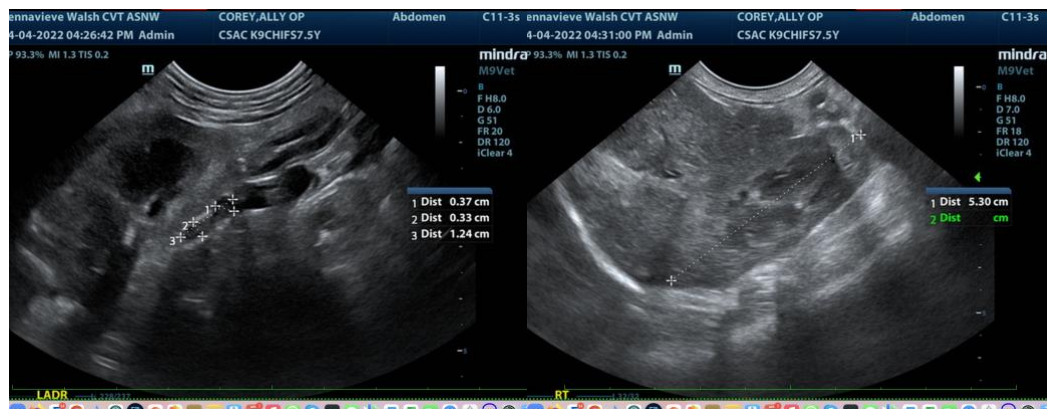
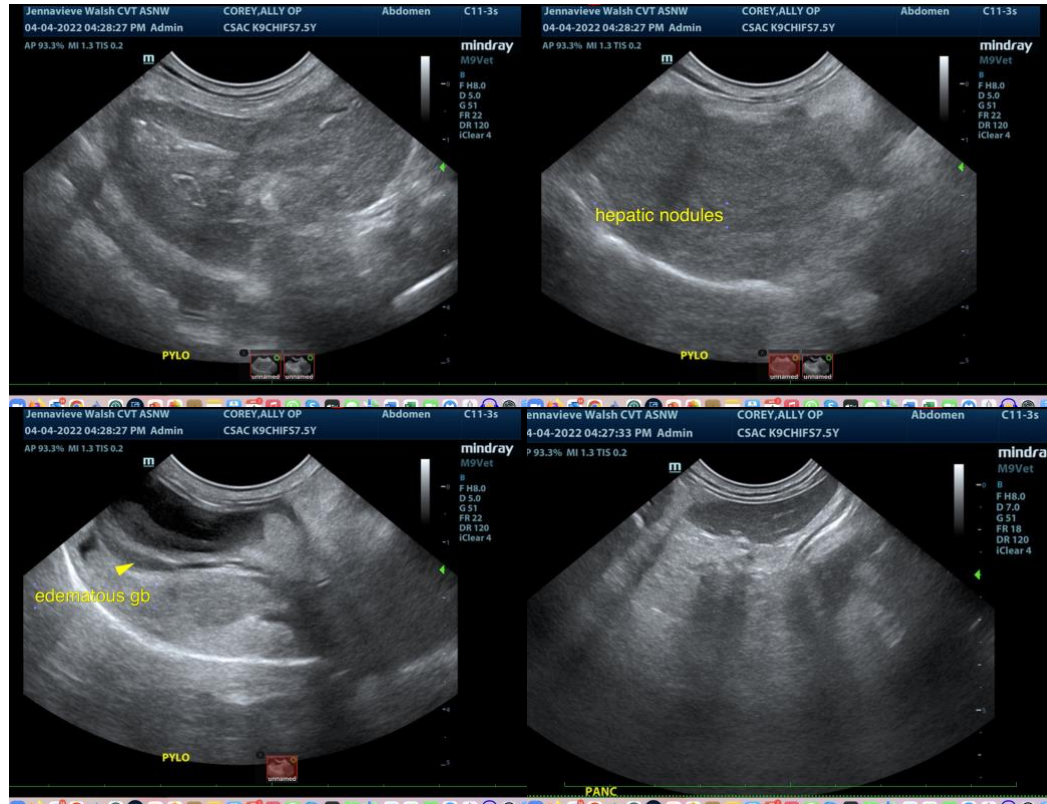
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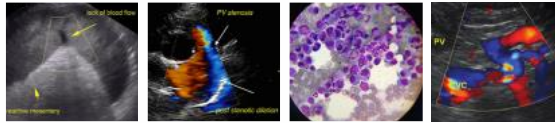
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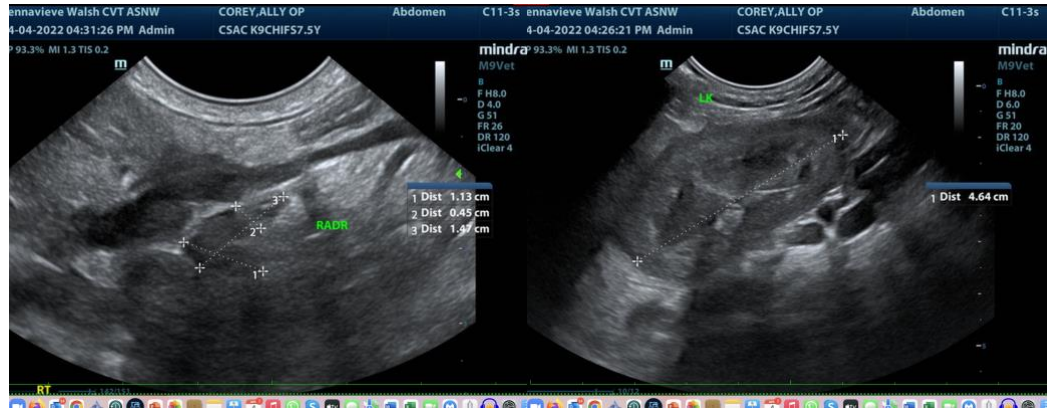
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com