



PATIENT **PRESENTING CLINICAL SIGNS**

Pippa Walters

History: Has had episodes of ataxia, walking into walls recently
Abnormal PE/Chem/CBC/UA Results: ALT elevated 578 BUN sl low at 0.5 Bile Acids: Pre: 147/Post: 180

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Westie

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. Multiple, small calculi were noted in the bladder. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

SEX

Spayed female

The **kidneys** were swollen with some loss of corticomedullary definition and pinpoint mineralization noted. The right kidney measured 5.3 cm. The left kidney measured 5.4 cm.

AGE

2 ½ years

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 0.36 cm at the cranial pole and 0.47 cm at the caudal pole. The left adrenal gland measured 0.39 cm at the caudal pole and 0.31 cm at the cranial pole.

WEIGHT

13 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** was enlarged with scalloping contour. the spleen was folded upon itself.

IMAGING PERFORMED BY

Dr. Doverspike

Liver

The **liver** was significantly subnormal in size. The intrahepatic vascularity was subnormal. The portal vein was subnormal in size. An extrahepatic portosystemic shunt consistent with splenocaval shunt was noted. The maximum width of the shunt measured approximately 0.7 cm. The portal vein post shunt measured 0.35 cm and 0.6 cm prior to the shunt. The vena cava measured 0.8 cm and aorta measured 0.6 cm. The gallbladder and common bile duct were unremarkable.

HOSPITAL NAME

Franklin AC Inc

Gastrointestinal

REFERRING VET

Dr. Doverspike

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

INVOICE

76359

DATE

8/1/23



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Pancreas

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.

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Free Abdomen

Slight free fluid was noted in the abdomen.

BREED

Westie

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed female

Extrahepatic portosystemic shunt, consistent with splenocaval or splenoazygous shunt with microhepatica.

Swollen kidneys.

AGE

2 ½ years

Small bladder calculi.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I cannot completely rule out the potential with azygous termination of the shunt; however, the position of the shunt and derivation consistent with splenocaval or splenoazygous shunt was noted. CT evaluation for surgical planning would be ideal; however, the sonogram is adequately diagnostic for surgical intervention and liver biopsy. There is significant microhepatica in this patient secondary portal hypertension may be a complication after ameroid placement. Partial attenuation followed by complete attenuation may be the best option.

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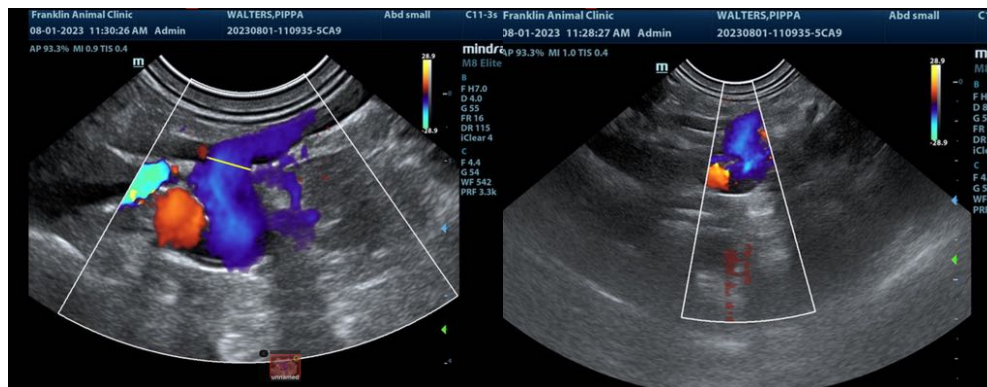
Dr. Doverspike

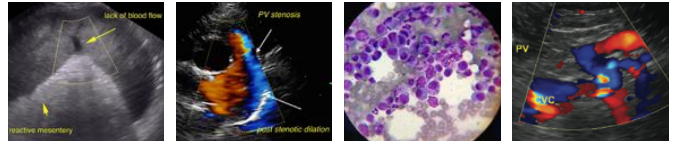
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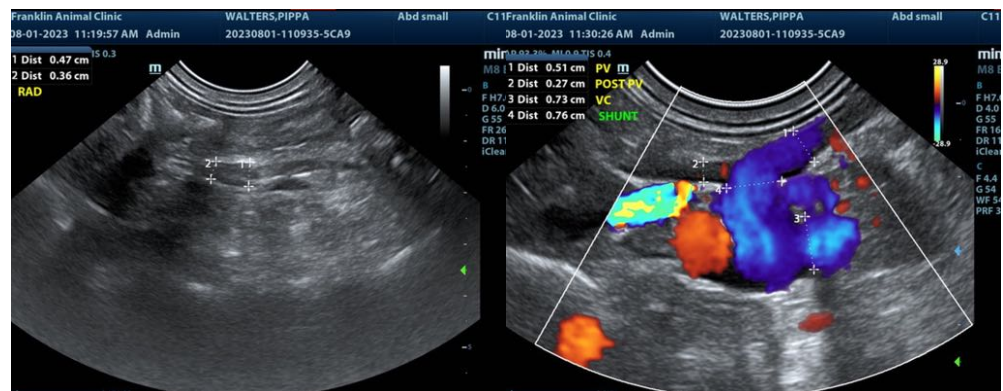
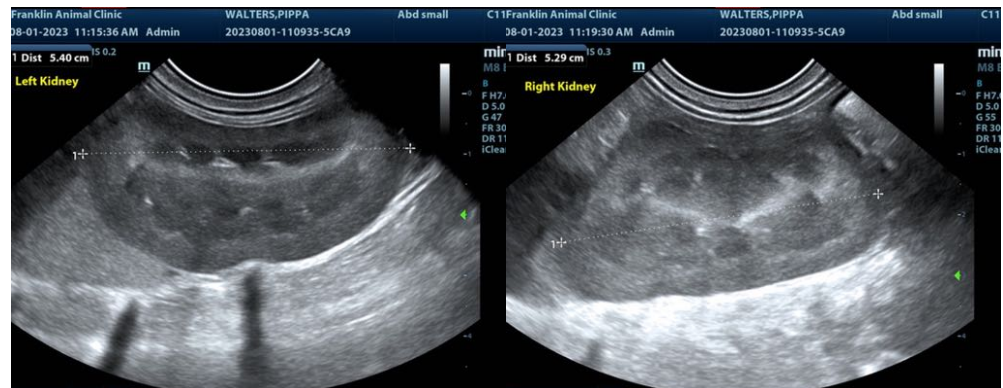
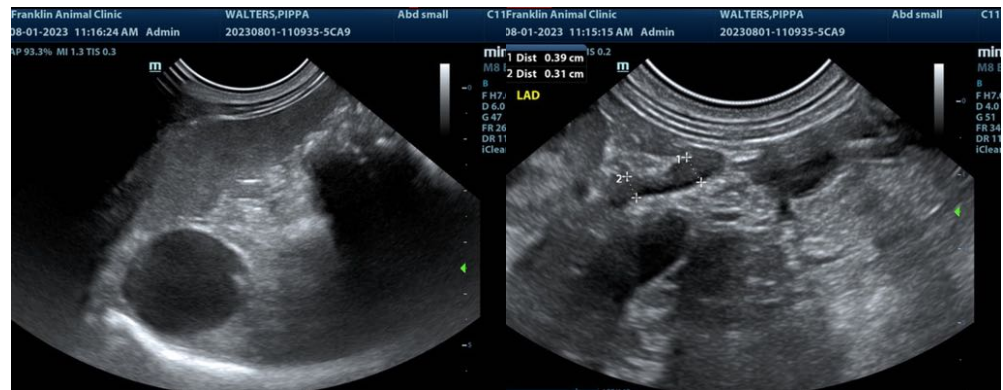
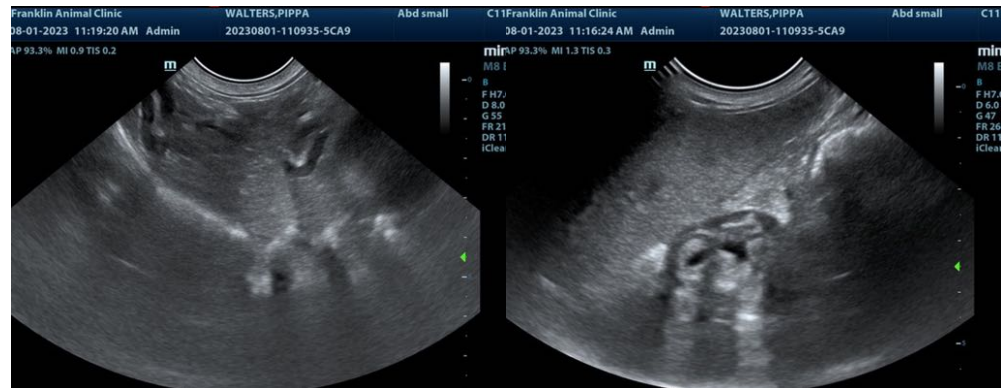
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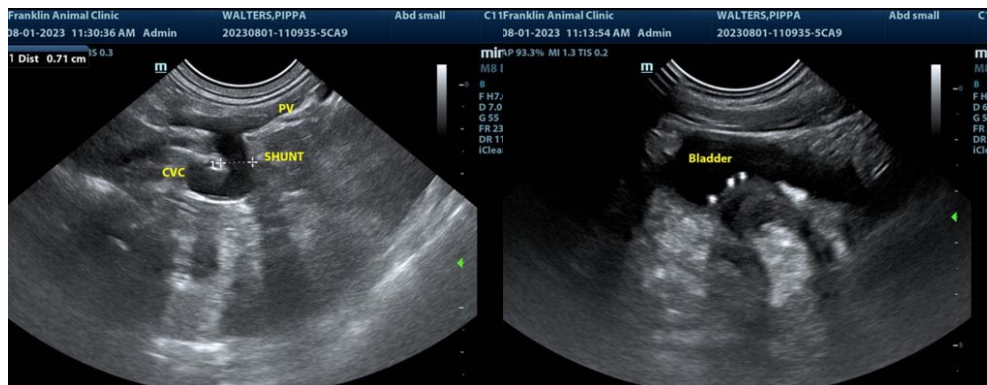
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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