



PATIENT

Jeremiah Engelmeier

SPECIES

Canine

BREED

Miniature Pinscher
Cross

SEX

Neutered male

AGE

9 years

WEIGHT

18.5 lbs

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med),
PhD, Dipl. ECVIM

IMAGING PERFORMED BY

Elda Kwong, DVM

HOSPITAL NAME

Petvacx AH

REFERRING VET

Dr. Wiley

INVOICE

71693

DATE

2/18/26

PRESENTING CLINICAL SIGNS

- Recheck ultrasound from October 2025
- History of Stage 2C mitral valve disease, seizures managed with phenobarbital, rising liver values on
- Bloodwork and recent pot belly and weight gain noted by owner
- Normal LDDS test and slight decrease in ALKP, ALT on bloodwork in Jan 2026

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is full with a normal thickness and smooth appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal appearance of the trigone area, proximal urethra, and iliac blood vessels.

Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.

Normal renal size (left measured 4.6 cm, right measured 5.0 cm), architecture, echogenic appearance, cortico-medullary differentiation, which maintains a 1:3 cortex to medulla ratio, pelvis, and capsule. No infarcts, mineralization or renoliths evident.

The prostate is small and hypoechogenic.

Adrenal Glands

Normal shape, echogenic appearance, size, position, and appearance of the visible peri-adrenal vasculature. Left adrenal gland measured 0.56 cm in width. The right adrenal gland measured 0.58 cm in width.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. Incidental myelolipoma is present. No inflammatory, neoplastic, infarction, or infiltrative changes evident. The spleen measured 1.2 cm in width.

Liver

The liver is enlarged with rounded edges, diffuse increased echogenic and coarse appearance, prominent portal markings, and regular curvilinear capsule. No nodules or masses evident. Normal appearance of the hepatic and portal vasculature.



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Gallbladder

The gallbladder is full containing normal anechoic bile. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen. A small amount of ingesta is present in the stomach compatible with a recent meal.

Pancreas

The visible sections of the pancreas are of normal size and echogenic appearance with a regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

Normal mesenteric lymph nodes.

No ascites evident.

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

In comparison with the previous ultrasound there is no change in the hepatopathy. However, the previously visualized gallbladder sediment/polyps is not evident on this ultrasound.

The likely etiologies for the hepatopathy would be reactive hyperplasia, vacuolar and drug induced secondary to the Phenobarbital therapy.

Management of the hepatopathy that can be considered would be the use of Ursodiol with regular monitoring of liver enzyme activity.



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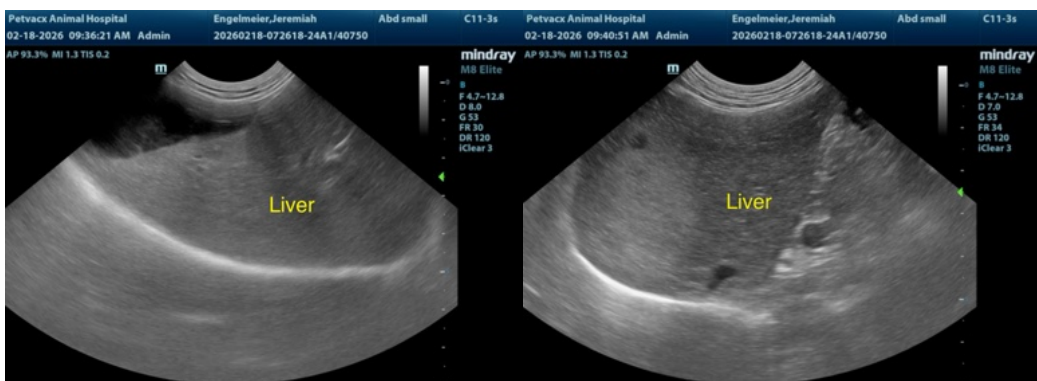
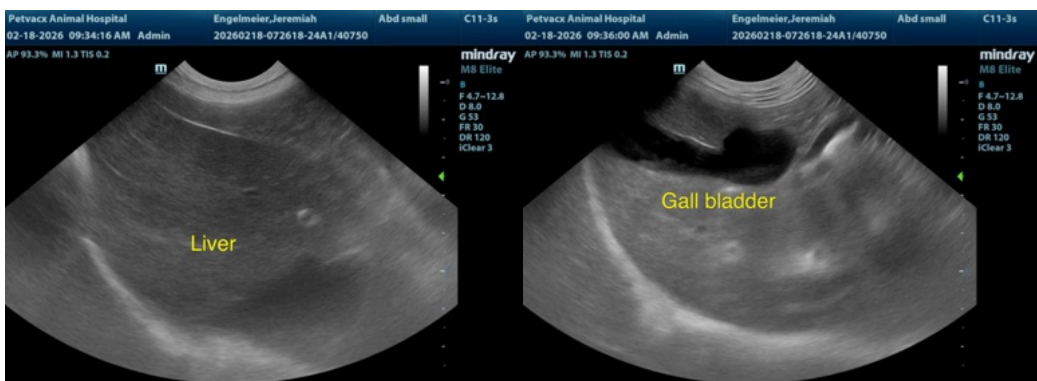
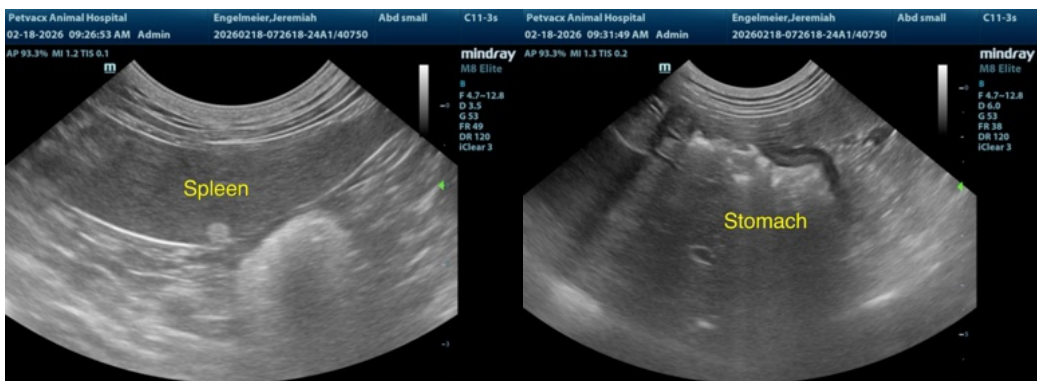
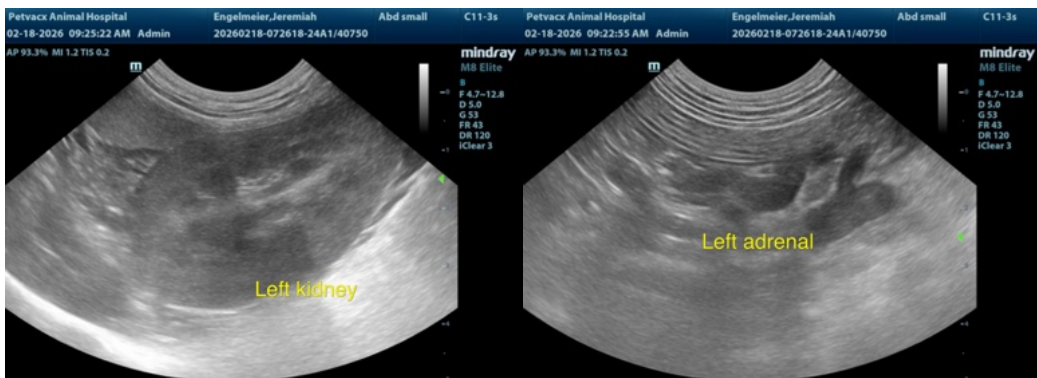
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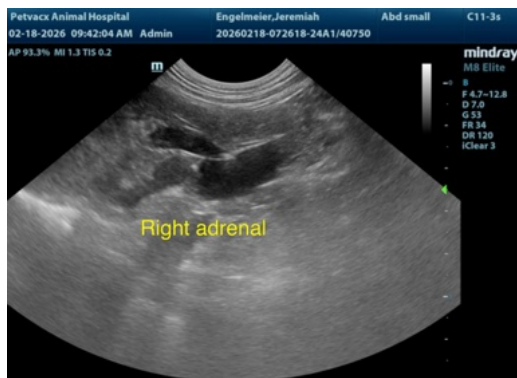
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)

info@sonopath.com