



PATIENT PRESENTING CLINICAL SIGNS

Buttercup Earl

History: Mildly elevated ALKP on initial pre-spay labwork performed 10 days ago; high normal on recheck today. Other liver enzymes WNL. Bile Acid Test (performed today)---results pending. No clinical signs.

SPECIES

Abnormal PE/Chem/CBC/UA Results: 5/10/22: ALP=170 (Slight increase)

Canine

BREED

Maltese

SEX

Female

AGE

6 months

WEIGHT

4.4 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Welch/Amy Priest

HOSPITAL NAME

Long Valley AH

REFERRING VET

Dr. Earl

INVOICE

30538

DATE

5/19/22

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 was 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 2.7 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 left adrenal gland measured 0.5 cm.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** was slightly subnormal in size, yet normal vascularity. Intrahepatic vascular volume was unremarkable. The portal vein, vena cava and aortic ratio was 1:1:1. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident.

Gastrointestinal

The **stomach** presented a minor amount of luminal fluid accumulation. The small intestines and colon were unremarkable.



PATIENT

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.

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ULTRASONOGRAPHIC FINDINGS

BREED

Normal abdomen, slight microhepatica.

Maltese

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

If the bile acids are elevated then it is likely owing to portal hypoplasia/microvascular dysplasia. However, structurally the abdomen appears unremarkable.

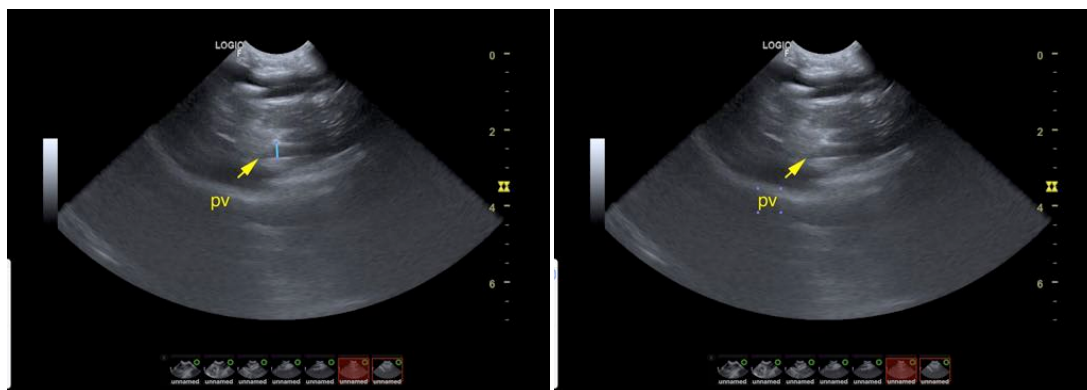
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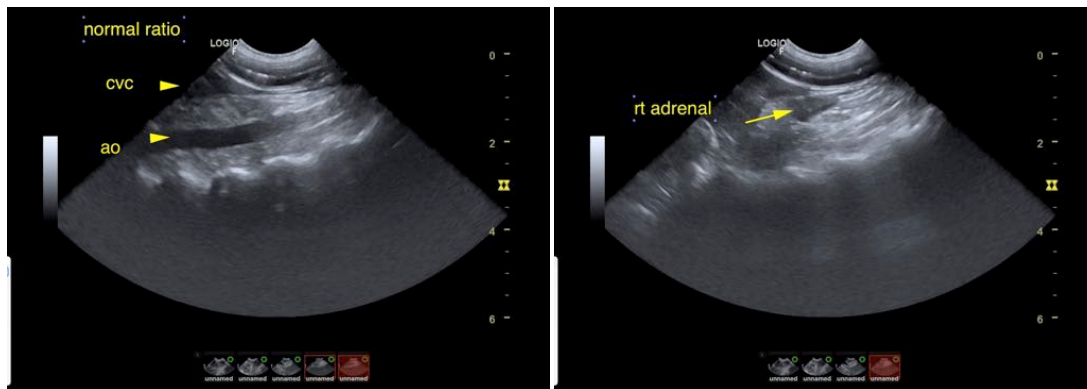


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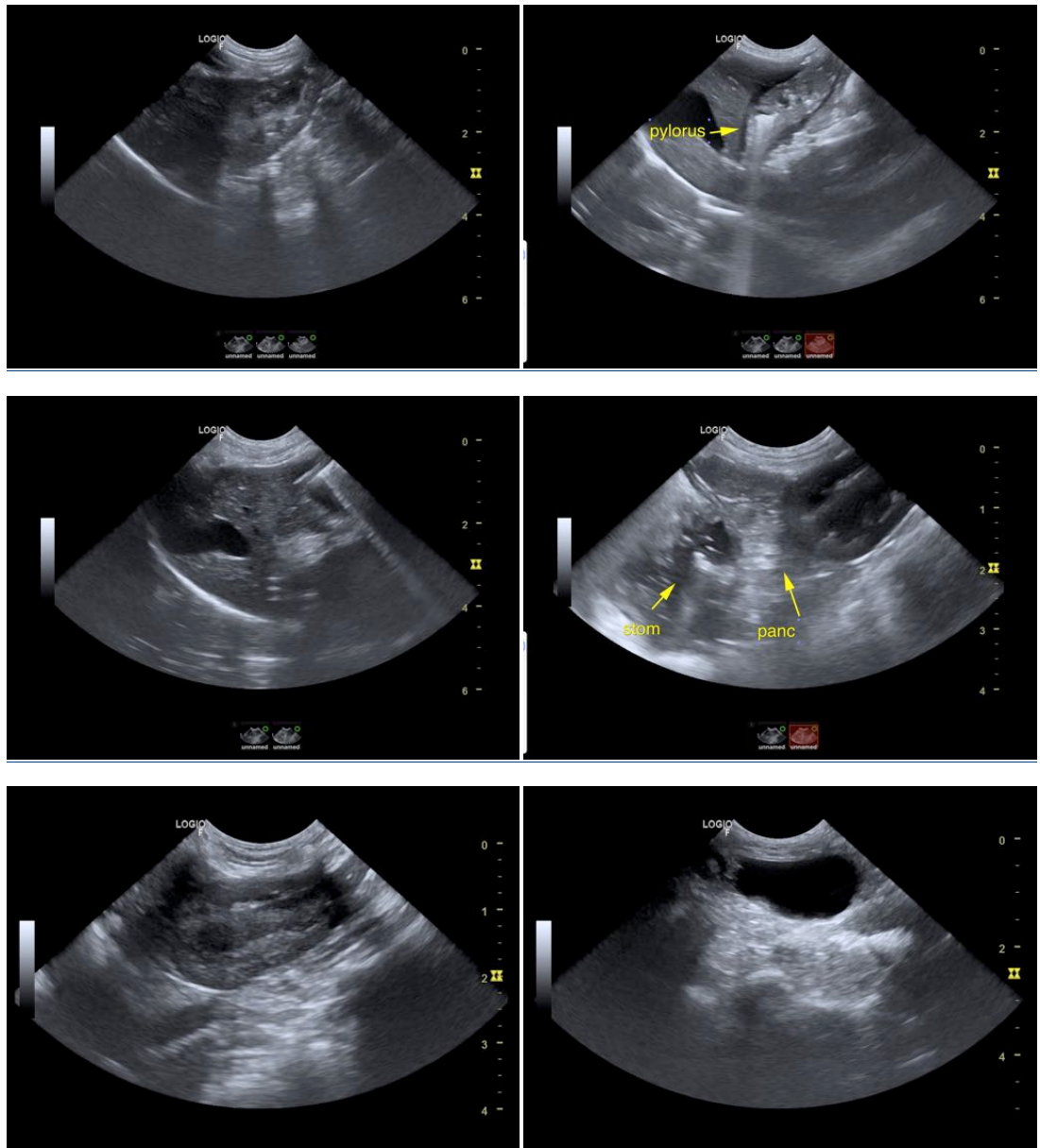
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



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

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