



PATIENT

Capucine Singleton

SPECIES

Canine

BREED

Maltese

SEX

Intact female

AGE

3 years

WEIGHT

4.5 lbs

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Sorbo

HOSPITAL NAME

Back Bay VC

REFERRING VET

Dr. Sorbo

INVOICE

12942

DATE

12/31/21

PRESENTING CLINICAL SIGNS

Pyometra and history of LFT elevation. Pre-OVH screen today.

Abnormal PE/Chem/CBC/UA Results: Previous AUS by DACVIM showed normal liver. Will do BA stim test today.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

The uterine body ventral to the descending colon and dorsal to the urinary bladder was sonographically unremarkable. Segmental mild anechoic uterine fluid with potential for mild cellular component was present in the uterine horns. No evidence of inflammatory uterine changes or evidence of hypertrophic or cystic mural changes.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. No evidence of renal or medullary mineral was noted. The left kidney measured 3.4 cm in length. The right kidney measured 3.7 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.4 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.5 cm width at the caudal pole.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. Normal subjective hepatic vascular volume was present. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal



PATIENT	The stomach presented intact yet subjective mild prominent with moderate retained primarily anechoic gastric fluid. No evidence of retained ingesta, overt foreign material, or mechanical pyloric outflow obstruction was noted. The gastric body wall width measured 0.35 cm.
Capucine Singleton	
SPECIES	The small intestine presented intact wall layering and primarily maintained 1:3 muscularis/mucosa ratio with segmental propensity for mild prominent segmental mucosa. Intermittent, focal small intestinal mucosal speckling was present. The jejunum wall width measured 0.30 cm.
Canine	
BREED	The colon exhibited sonographically unremarkable visualized wall layering with nonformed feces present in the transverse and descending colon.
Maltese	
SEX	<i>Pancreas</i>
Intact female	The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.
AGE	<i>Free Abdomen</i>
3 years	No overt lymphadenopathy or peritoneal effusion was present.
WEIGHT	ULTRASONOGRAPHIC FINDINGS
4.5 lbs	<i>Primary Findings</i>
INTERPRETED BY	<ul style="list-style-type: none"> • Mild segmental uterine horn fluid - potential mild pyometra, hydrometra, or similar • Overtly normal liver with normal hepatic volume • Hypomotile stomach, intermittent to focal, small bowel mucosal speckling - nonspecific • Nonformed feces in colon
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
IMAGING PERFORMED BY	No overt suspicion of a portosystemic vascular anomaly, given the subjective normal hepatic vascular volume, as well as lack of renal or cystic mineral. Potential for primary hepatic parenchymal disease or portal vein hyperplasia / microvascular dysplasia is possible. Correlation with pending bile acid testing is recommended.
Dr. Sorbo	
HOSPITAL NAME	Assuming normal albumin, glucose, cholesterol, and BUN levels, which indicate normal hepatic function, no overt contraindications to anesthesia were noted. Ovariohysterectomy +/- hepatic and gastrointestinal biopsies if previous or current gastrointestinal signs may be considered. Clotting status assessment is recommended if hepatic biopsies are a potential.
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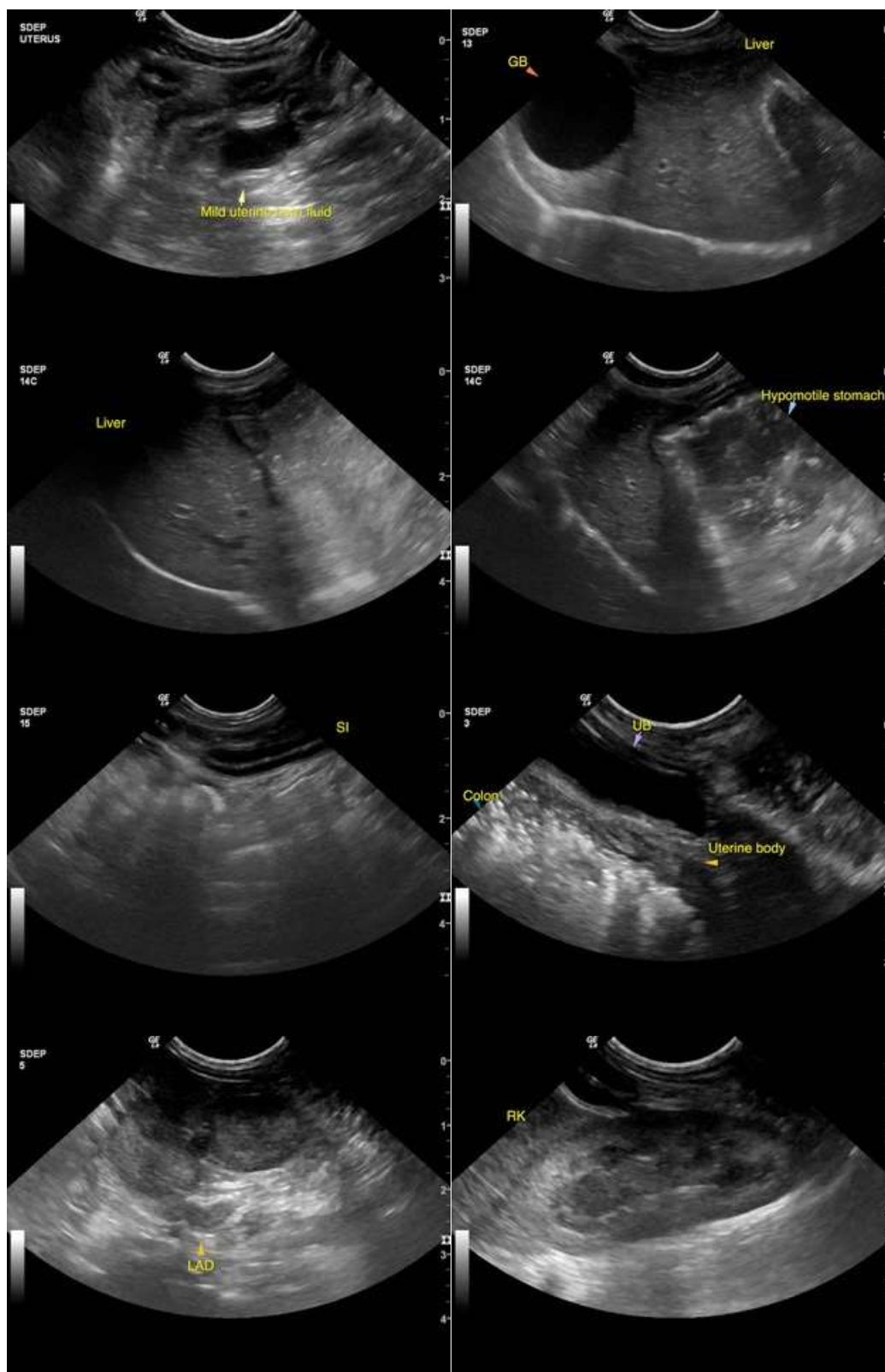
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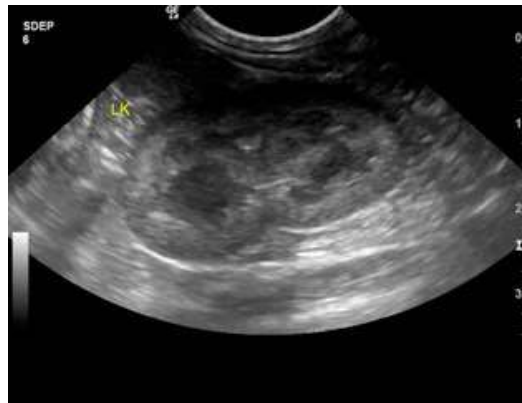
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

INTERPRETED BY

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(Canine and Feline)

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
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