



PATIENT	PRESENTING CLINICAL SIGNS
Olive Good Karma Rescue	Chronic liquid diarrhea, weight loss (since a puppy). Current meds: Panacur x 10 days, Provable, metronidazole, on Royal Canine HP since 10/10/22.
SPECIES	Abnormal PE/Chem/CBC/UA Results: TLI/Cobalamine/Folate - pending. CBC: WBC 28.4, neutrophilia bands, lymphocytes, monocytosis. Superchem: WNL. IDEXX Comp. diarrhea panel: all negative, fecal (-), O/P Giardia Elisa (+). U/A: 2+ bili, 4-12 CaOx /HPF, pH 5.5, USG: 1.066.
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
French Bulldog	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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 were noted.
FI	
AGE	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. The left kidney measured 3.8 cm in length. The right kidney measured 3.9 cm in length.
1yr	
WEIGHT	The area of the aortic trifurcation was free of pathology.
10.3lb	No evidence of pathology in the area of the uterus or bilateral ovaries.
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was mildly prominent in size with symmetrical capsule contour and uniform parenchyma. The left adrenal gland measured 0.80 cm width at the caudal pole and 1.97 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.50 cm width at the caudal pole and 2.3 cm length.
IMAGING PERFORMED BY	Spleen
Kelly Vazquez	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.
HOSPITAL NAME	Liver
Westwood Regional Veterinary Hospital	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. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.
REFERRING VET	Gastrointestinal
Dr. Hartwick	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild non-shadowing ingesta/chyme with no signs of ileus, obstruction or foreign material. The stomach wall measured 0.30 cm.
INVOICE	
11944ag	
DATE	
10/20/2022	



PATIENT

Olive Good Karma
Rescue

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Small intestinal wall width measured 0.29-0.32 cm.

SPECIES

Canine

The colon walls presented intact yet prominent wall layering with mild thickened to echogenic submucosa. Soft to non-formed fecal matter was present in the colon lumen with mild distention. The descending colon wall measured 0.61 cm in width.

Pancreas

BREED

French Bulldog

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 was evident.

SEX

FI

Free Abdomen

No omental masses or peritoneal effusion was present.

AGE

1yr

Focal, mildly prominent to enlarged mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

ULTRASONOGRAPHIC FINDINGS

WEIGHT

10.3lb

- Colitis pattern
- Unremarkable stomach/small bowel with mild gastric ingesta/chyme
- Intermittent benign/reactive mesenteric lymph nodes-mild hyperplasia, reactive lymphadenitis or immunologic immaturity
- Mildly prominent left adrenal gland-suspect stress hyperplasia

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of structural enterocolic pathology was present. Continued Panacur 50 mg/kg PO SID x 5-10 days given positive giardia Elisa as well as dietary therapy and as needed GI support with assessment of clinical response would be reasonable. Correlation with pending GI panel recommended.

IMAGING PERFORMED BY

Kelly Vazquez

For an additional charge, internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

HOSPITAL NAME

Westwood Regional
Veterinary Hospital

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

REFERRING VET

Dr. Hartwick

INVOICE

11944ag

DATE

10/20/2022



PATIENT

Olive Good Karma
Rescue

SPECIES

Canine

BREED

French Bulldog

SEX

FI

AGE

1yr

WEIGHT

10.3lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Westwood Regional
Veterinary Hospital

REFERRING VET

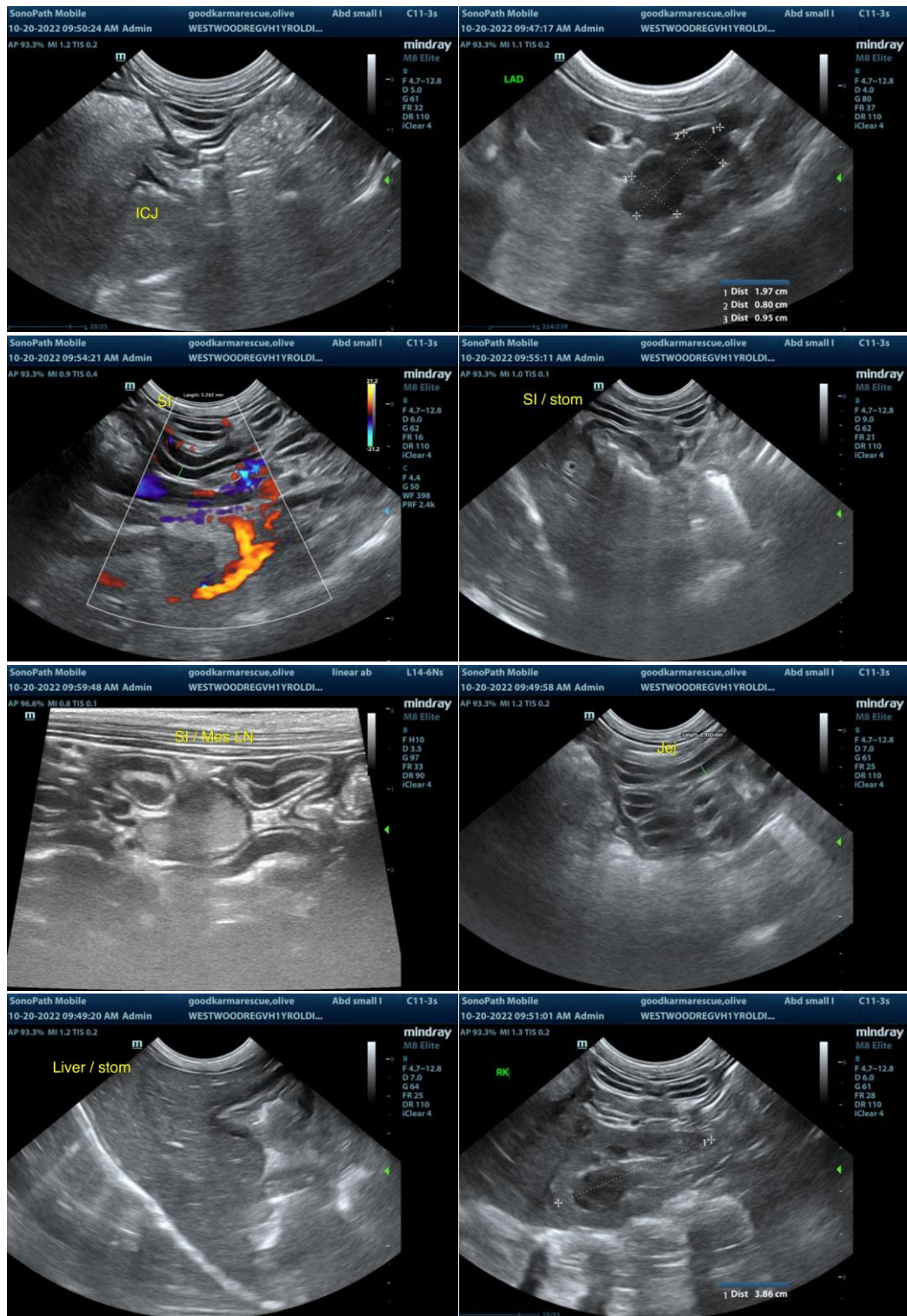
Dr. Hartwick

INVOICE

11944ag

DATE

10/20/2022





PATIENT

Olive Good Karma
Rescue

SPECIES

Canine

BREED

French Bulldog

SEX

FI

AGE

1yr

WEIGHT

10.3lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Westwood Regional
Veterinary Hospital

REFERRING VET

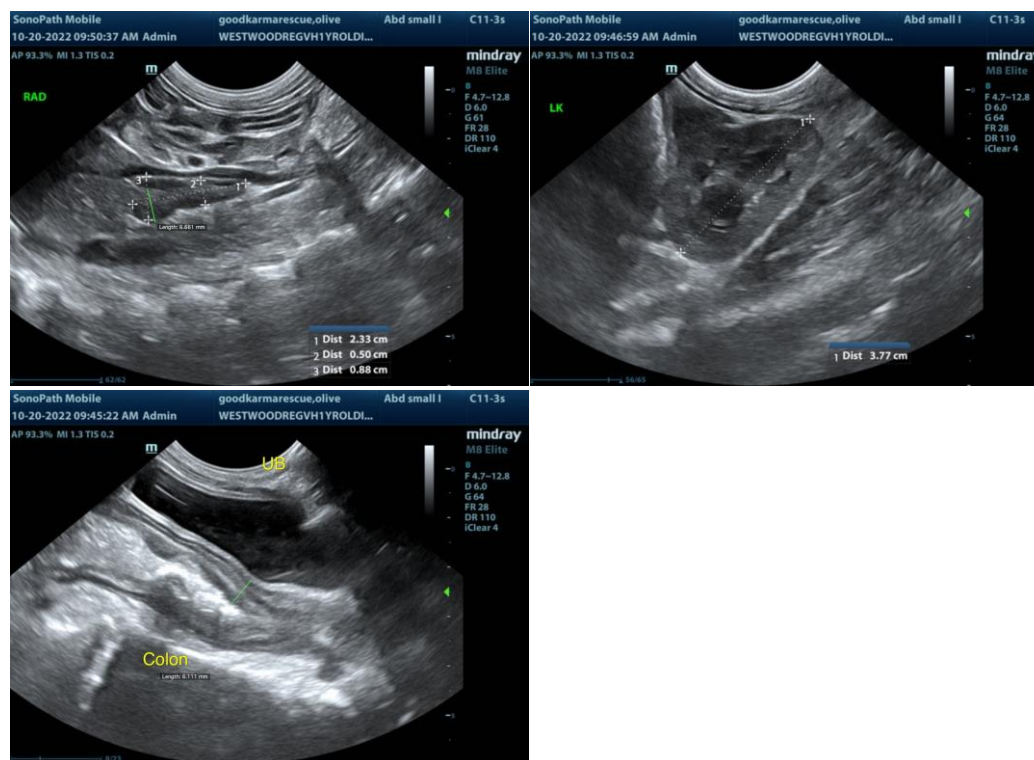
Dr. Hartwick

INVOICE

11944ag

DATE

10/20/2022



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.

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

info@SonoPath.com