



**PATIENT**

Bella Shanaberger

**SPECIES**

Canine

**BREED**

Mixed

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

15.4 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Laura DeCordon

**HOSPITAL NAME**

Mson Dixon Animal ER

**REFERRING VET**

Dr. Laura DeCordon

**INVOICE**

14384

**DATE**

3/20/22

**PRESENTING CLINICAL SIGNS**

History: History of IMHA for the last 3-4 years. Presented to MDAEH because of decreased appetite, acting lethargic and sluggish. Owner has been decreasing dose of Prednisone.

Abnormal PE/Chem/CBC/UA Results: Bloodwork PCV/TS- 20% confirmed twice Saline autoagglutination- positive CBC- Hct 11%, WBC 19, Neut 14.5, Plt 23 Blood smear 0-3 platelets per hpf- appears to be true thrombocytopenia Chemistry- ALT 780, ALP 264, Tbil 0.1, Kcl 3.1 Gluc 135 Urinalysis Radiographs Thoracic radiographs unremarkable other than microcardia Ultrasound Gallbladder walls appear thickened, minimal sludge, no obvious gallstones. Liver heterogenous, no obvious splenic nodules Other 4 dx neg Saline microagglutination- positive

**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. A minor amount of suspended debris was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 6.07 cm. The left kidney measured 5.77 cm.

**Adrenal Glands**

The **left adrenal gland** was 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.

The **right adrenal gland** was not visualized.

**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 were noted.

**Liver**

Generalized **hepatic** enlargement was present with attenuating sound beam. The liver was diffusely hyperechoic to falciform fat. Double layered edematous gallbladder noted.

**Gastrointestinal**

The **stomach** was filled with ingesta. The small intestine and colon were unremarkable.



## PATIENT

Bella Shanabarger

## SPECIES

Canine

## BREED

Mixed

## SEX

Spayed Female

## AGE

11 Years

## WEIGHT

15.4 kg

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Laura DeCordon

## HOSPITAL NAME

Mson Dixon Animal ER

## REFERRING VET

Dr. Laura DeCordon

## INVOICE

14384

## DATE

3/20/22

## Pancreas

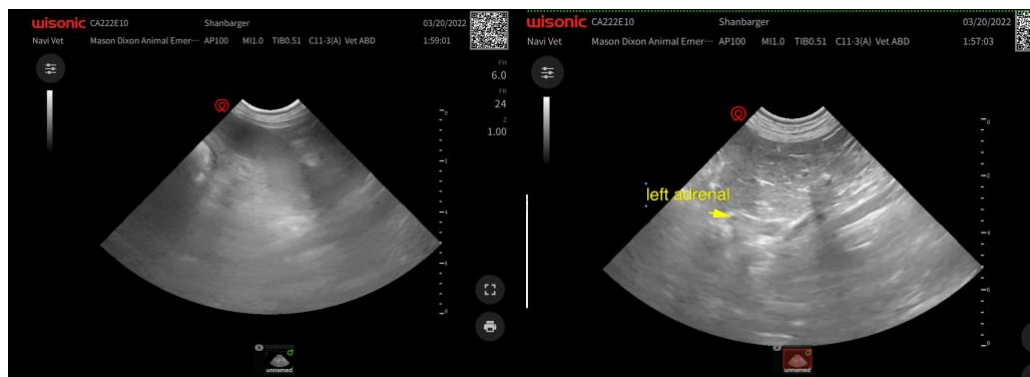
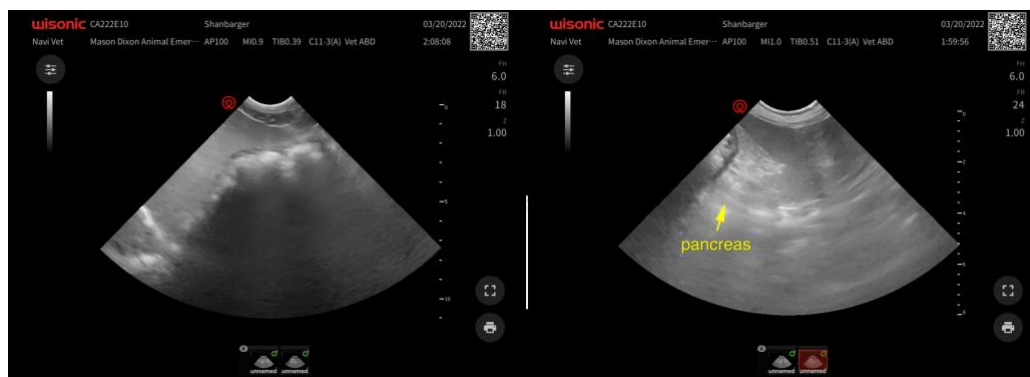
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

## ULTRASONOGRAPHIC FINDINGS

- Metabolic or endocrinopathy/prednisone induced hepatopathy with edematous gallbladder. Cholangitis versus immune mediated edema.
- Full stomach, consistent with postprandial presentation
- Age-related renal and pancreatic changes

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Bile acid profile warranted. Bone marrow FNA indicated. If prednisone has been utilized in this patient, then liver is likely secondary to cortisone usage. Prognosis is guarded, depending upon the ability to control the anemia. GI protectant protocol warranted as well to assist in potential gastric hemorrhage. The right adrenal gland was not visualized.





**PATIENT**

Bella Shanabarger

**SPECIES**

Canine

**BREED**

Mixed

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

15.4 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Laura DeCordon

**HOSPITAL NAME**

Mson Dixon Animal ER

**REFERRING VET**

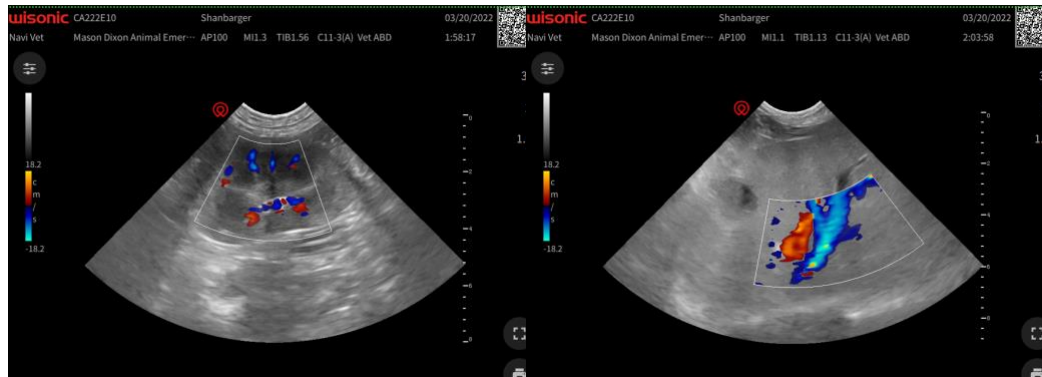
Dr. Laura DeCordon

**INVOICE**

14384

**DATE**

3/20/22



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.

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