



PATIENT

Terzo Heilman

SPECIES

Feline

BREED

Ashera

SEX

Male Neutered

AGE

13y

WEIGHT

5.69 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Lindsay Powell, CVT

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

Dr. Brittany Lang

INVOICE

12823

DATE

11/17/25

PRESENTING CLINICAL SIGNS

History: Presented for continuing not to eat or drink since exam last night Lethargic No vomiting since yesterday. Urinated one today. No defecation today.

Abnormal PE/Chem/CBC/UA Results: Eyes: Bilateral NS Oral Cavity: Mucous membranes pink/moist, CRT <2s, moderate tartar/gingival erythema Cardiovascular: No arrhythmias, pulses strong/synchronous, left sided gr II/VI murmur Abdominal: Soft and compliant with firm feces in colon and small bladder HAEC 4a Diagnostics: Rads: no obvious obstructive pattern. Bilateral renal mineralization. CBC: Neut = 15.3k. Chem: ALT = 133, Glu = 177. EPOC: K+ = 3.1. HAEC Intake Diagnostics: PCV/TS: 42%/8.4 clear EPOC: BE, ECF -6.3 (L) K 3.4 (L) Urinalysis: USG >1.050, pH 6.0, Protein 100, Blood 10, Urobilinogen 1, WBC 2/HPF, RBC 1/HPF, Suspect presence cocci, non-squamous epithelial cells <1/HPF BP: 10p- 210

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was mildly distended in size with normal tone and normal wall exhibiting no evidence of inflammation or tumors. The trigone and cystourethral junction were free of pathology. Urethra exhibited normal structure to a depth of 2.0 cm. Primarily anechoic urine was present in the lumen. Mild to moderate, non-dependent, echogenic to particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. Hypochoic cortical striations, mild medullary mineral, and mild pyelectasia was present. No evidence of left or right hydro ureter. The left kidney measured 4.5 cm in length. The right kidney measured 4.5 cm in length.

Adrenal Glands

The left and right adrenal glands were normal in size, position and shape. The left adrenal gland measured 0.36 cm. The right adrenal gland measured 0.39 cm.

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

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypochoic 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 mildly thickened, hypochoic wall and mild to moderate, variably congealed yet non-organized debris. Mildly dilated cystic duct and generalized common bile duct to the level of the duodenal papilla. The



PATIENT

Terzo Heilman

cystic duct and common bile duct contained primarily anechoic content with minor, non-shadowing mucus. No overt pathology at the level of the duodenal papilla. Common bile duct dilation measured 0.5 cm.

SPECIES

Feline

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. Gastric body wall 0.25 cm.

BREED

Ashera

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. Duodenum wall measured 0.29 cm and jejunum wall measured 0.23 cm width.

SEX

Male Neutered

Normal visible colon wall layers were present with apparent formed feces in lumen.

AGE

13y

The pancreas was normal in size with indistinct capsule with isoechoic to heterogeneous parenchyma compared to adjacent non-reactive or inflamed omentum. No signs of active inflammation or neoplasia.

WEIGHT

5.69 kgs

Free Abdomen

No visualized significant omental lymphadenopathy and subjective mild, hypoechoic omentum in the area of the mildly dilated common bile duct was present. No evidence of peritoneal effusion noted.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Probable cholangitis/cholangiohepatitis
- Sonographically unremarkable empty gastrointestinal tract
- Mild heterogeneous pancreas
- Chronic renal changes exhibiting hyperechoic cortical striation/infarcts and mild pyelectasia
- Mild urinary bladder sediment

IMAGING PERFORMED BY

Lindsay Powell, CVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Hershey Animal
Emergency Center

Assuming normal clotting status and using 25-gauge needle, hepatic FNA cytology could be considered to assess for inflammatory cell type. No obvious evidence of neoplastic criteria or current post hepatic obstruction. A GI panel to include PLI/TLI/Cobalamin/Folate to assess for mild to chronic pancreatitis or structurally insignificant intestinal disease, i.e. triaditis is recommended. Empirical therapy for probable cholangitis/cholangiohepatitis with gastrointestinal support and clinical monitoring would be appropriate. Sonographic reassessment indicated if progressive clinical signs or evidence of progressive hepatopathy/cholestasis.

REFERRING VET

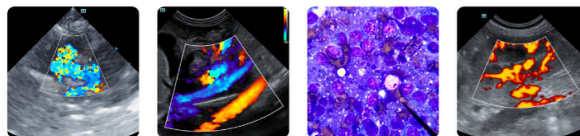
Dr. Brittany Lang

INVOICE

12823

DATE

11/17/25



PATIENT

Terzo Heilman

SPECIES

Feline

BREED

Ashera

SEX

Male Neutered

AGE

13y

WEIGHT

5.69 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Lindsay Powell, CVT

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

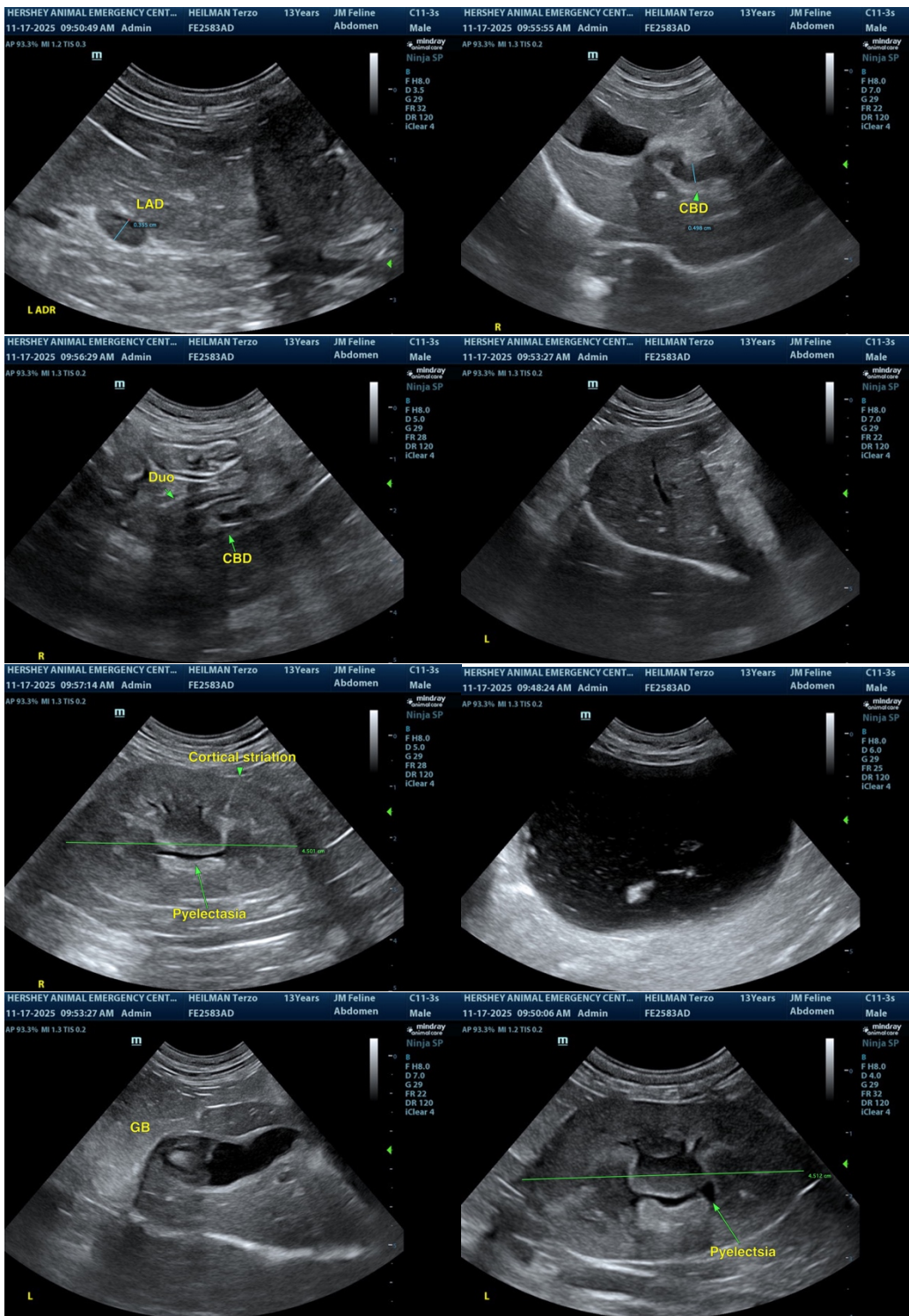
Dr. Brittany Lang

INVOICE

12823

DATE

11/17/25





PATIENT

Terzo Heilman

SPECIES

Feline

BREED

Ashera

SEX

Male Neutered

AGE

13y

WEIGHT

5.69 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Lindsay Powell, CVT

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

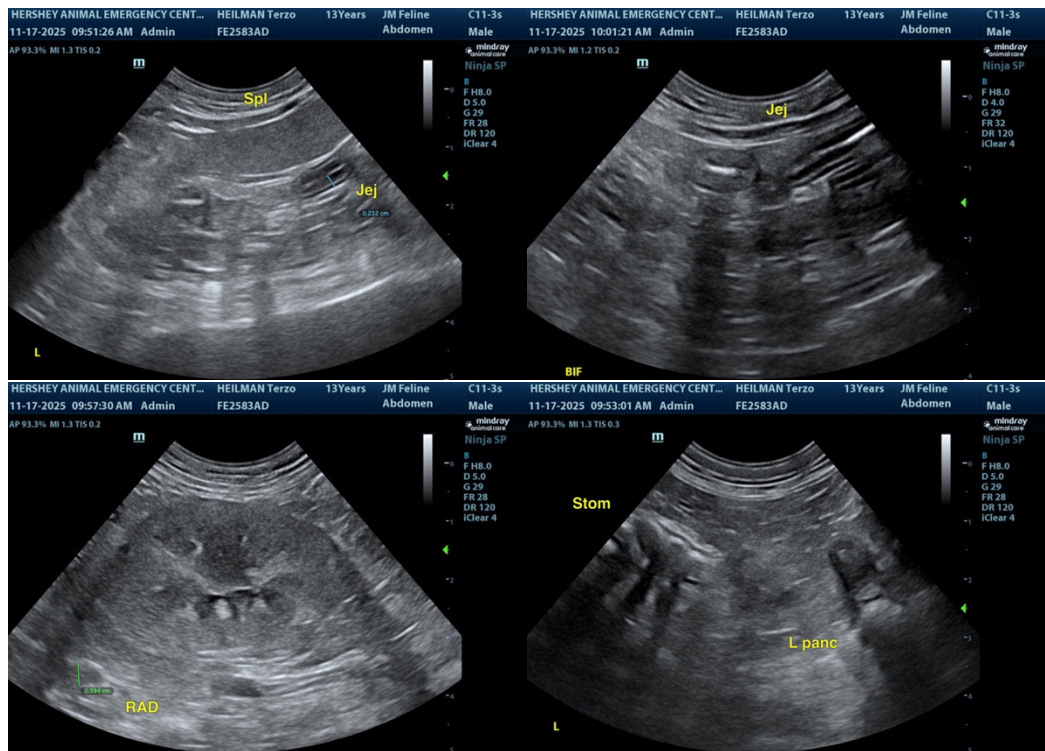
Dr. Brittany Lang

INVOICE

12823

DATE

11/17/25



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