



PATIENT

Tippi Rumberger

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

11 Years

WEIGHT

2.6 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUS

IMAGING PERFORMED BY

Melissa Randolph

HOSPITAL NAME

Shores Veterinary
Emergency Center

REFERRING VET

Dr. Emily Brydon

INVOICE

14062

DATE

03/05/26

PRESENTING CLINICAL SIGNS

- P presented to rDVM today for acute onset of anorexia since Tuesday 3/3 evening. Hiding all day yesterday. Drank a lot of water yesterday, urine was very dark yellow (P went outside of box). lethargic. No prior significant health concerns.
- concern for anorexia, hepatopathy, cholangiohepatitis, neoplasia, other

PE: subtle pain 1/4; BCS 3/9; soft on abdominal palpation; muscle atrophy rDVM labs: fpl normal u/a: wbc 3/hpf, rbc 3/hpf, bacteria none, crystals none, bilirubin 6-20/hpf; color orange, clarity opaque, USG 1.048, pH 7, protein 30, blood 50, bilirubin 6, urobilinogen 12 TT4: 1.3 Chem: ALT 447 H, BUN/urea 14 H, cholesterol 257 H, t bili 4.8 H cbc: wbc 22.34 H, mono 2.20 H, neut 18.52 H

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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 left kidney measured 3.44 cm in length. The right kidney measured 3.06 cm in length.

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 0.40 cm width. The right adrenal gland measured 0.40 cm width.

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

The **liver** presented swollen with slight increased portal markings and hypoechoic parenchyma compared to falciform fat. The gallbladder was unremarkable. The common bile duct measured 0.34 cm and does not appear obstructed.

Gastrointestinal



PATIENT

Tippi Rumberger

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

11 Years

WEIGHT

2.6 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Melissa Randolph

HOSPITAL NAME

Shores Veterinary
Emergency Center

REFERRING VET

Dr. Emily Brydon

INVOICE

14062

DATE

03/05/26

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. No concerning lymphadenopathy was visible. No evidence of obstruction was present. Chronic inflammatory bowel disease is likely with a low possibility of an early neoplastic event such as lymphoma. Full thickness tissue biopsies via open laparotomy, ideally guided by intraoperative ultrasound in order to obtain the most representative mural sample, would be necessary to rule out this possibility.

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.

Free Abdomen

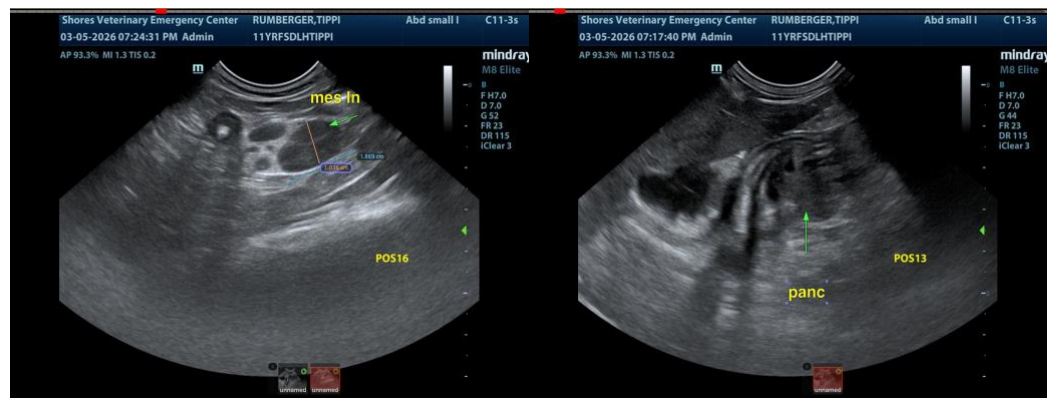
Enlarged hypoechoic, rounded mesenteric **lymph nodes** were present measuring 1.8 cm x 1.0 cm.

ULTRASONOGRAPHIC FINDINGS

- Urinary bladder debris.
- Age-related renal changes.
- Nonspecific hepatic swelling.
- Mesenteric lymphadenopathy.
- IBD GI pattern.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Acute hepatitis, lymphadenitis versus emerging round cell neoplasia is all possible. Ultrasound guided FNA of the lymph nodes and liver are recommended for further definition along with culture. Infectious agents such as toxoplasmosis should be considered if the patient has been exposed in its environment.





PATIENT

Tippi Rumberger

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

11 Years

WEIGHT

2.6 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Melissa Randolph

HOSPITAL NAME

Shores Veterinary
Emergency Center

REFERRING VET

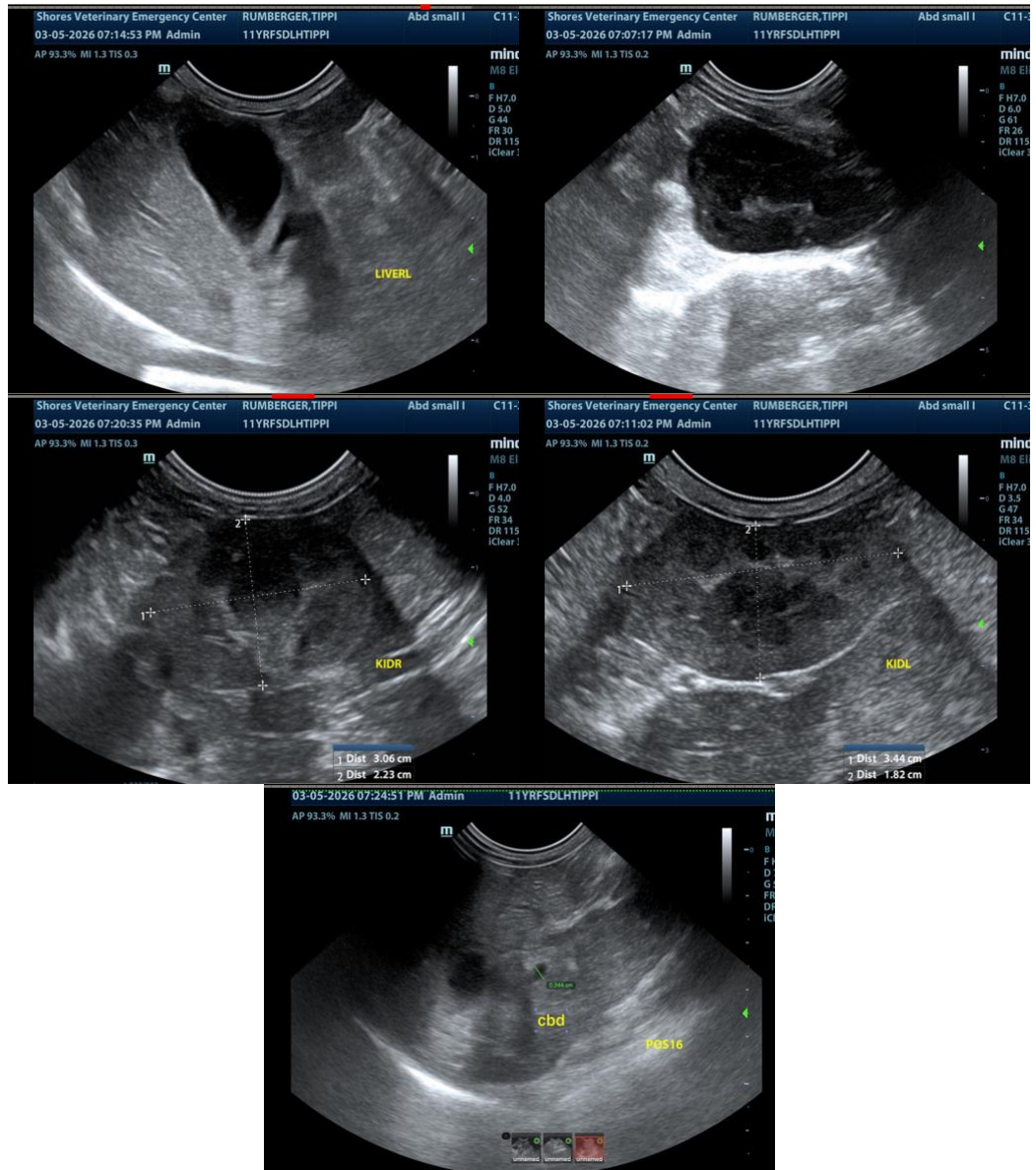
Dr. Emily Brydon

INVOICE

14062

DATE

03/05/26



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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

CEO, Owner, Founder -- SonoPath.com

info@SonoPath.com