



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Leo Tedesco

SPECIES
Canine

BREED
Terrier Mix

SEX
Neutered male

AGE
13 years

WEIGHT
16 lbs

INTERPRETED BY
Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Dr. Grau

HOSPITAL NAME
Fredon AH

REFERRING VET
Dr. Grau

INVOICE
96329

DATE
2/24/22

History: vomited after being at groomer, owner gave insulin and seemed weak, ate and decreased insulin but then at ER not feeling well, normal bloodwork, received cerenia, came in for IV support today, exam very dull but unremarkable, CBC/chem wnl, snap CPLI negative, Lyme 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. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight, pinpoint mineralization was noted. The kidneys measured 4.0 cm each.

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.

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 was noted.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented small calculi that were non-obstructive. The largest calculus measured 0.4 cm.



PATIENT

Gastrointestinal

Leo Tedesco

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

BREED

Terrier Mix

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.

SEX

Neutered male

ULTRASONOGRAPHIC FINDINGS

Mild, irregular liver.

AGE

13 years

Age related renal changes.

WEIGHT

16 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of significant disease. However, given the patient's history I do recommend FNA of the spleen and liver. Ursodiol therapy can be considered to attempt to dissolve the gallbladder calculi.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Potential Causes of Diabetic Dysregulation

This is a suggestive checkoff list when faced with an unregulated diabetic patient:

IMAGING PERFORMED BY

Dr. Grau

UTI

Dietary indiscretion/intolerance

HOSPITAL NAME

Fredon AH

Pancreatitis

Hyperthyroidism/hypothyroidism

Exogenous steroids (including topical eye meds)

REFERRING VET

Dr. Grau

Cushing's

Acromegaly

INVOICE

96329

Owner compliance

Insulin quality issues

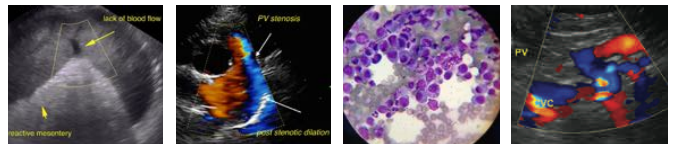
Antibodies to insulin

DATE

2/24/22

Underlying Neoplasia

Diffuse liver disease



PATIENT

Leo Tedesco

SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

13 years

WEIGHT

16 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Grau

HOSPITAL NAME

Fredon AH

REFERRING VET

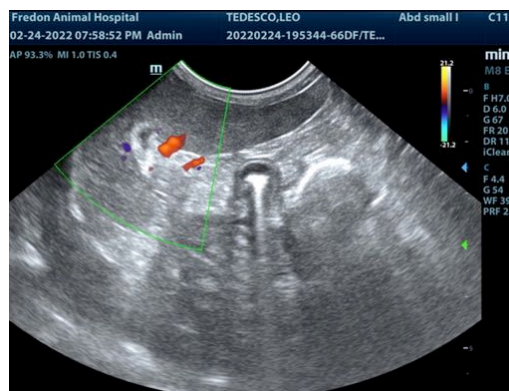
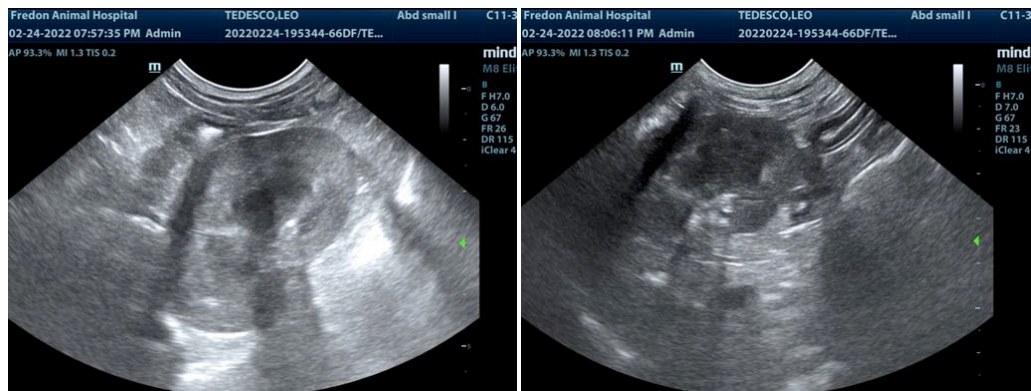
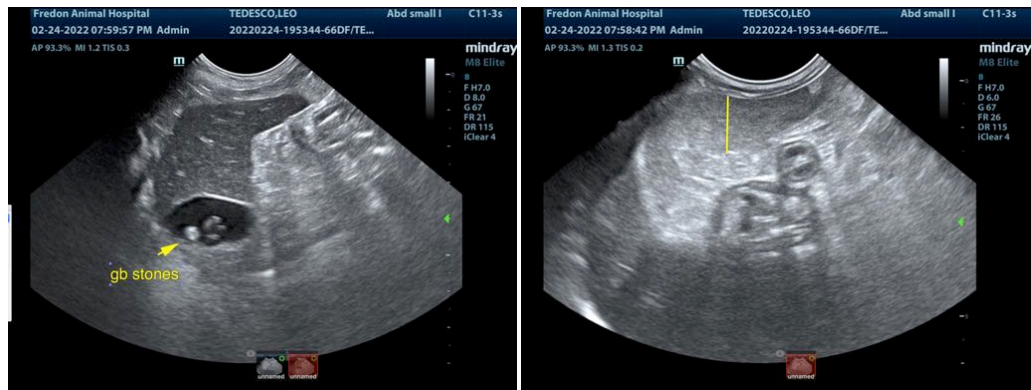
Dr. Grau

INVOICE

96329

DATE

2/24/22



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.



PATIENT

Leo Tedesco

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

SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

13 years

WEIGHT

16 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Grau

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Grau

INVOICE

96329

DATE

2/24/22