



PATIENT

Hans Toub

SPECIES

Feline

BREED

Domestic Longhair

SEX

Neutered male

AGE

10 years

WEIGHT

11.6 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Wepprich

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Dr. Wepprich

INVOICE

92810

DATE

11/2/21

PRESENTING CLINICAL SIGNS

History: Presented for 3wk hyporexia and lethargy.

Abnormal PE/Chem/CBC/UA Results: PE - BCS 9/9 obese, icteric gums and sclera, dehydrated CBC-WNL chem - ALT 132, ALP 500, Tbili 1, BUN 54, Glu 433 UA - USG >1.050, glu 1000, neg ketones

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** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomедullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The left and right kidney measured 4.0 cm.

Adrenal Glands

The regions of the **adrenal glands** were unremarkable.

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** was uniformly enlarged and diffusely hyperechoic to the falciform fat. This is most consistent with hepatic lipidosis with the possibility of more significant disease. Ultrasound-guided FNA is indicated. The gallbladder and common bile duct were unremarkable. There is no evidence of post hepatic obstruction.

Gastrointestinal

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



PATIENT demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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SPECIES *Pancreas*

Feline 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.

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ULTRASONOGRAPHIC FINDINGS

SEX Chronic interstitial nephrosis renal pattern.

Neutered male Hepatic lipidosis pattern.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver is recommended.

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Potential Causes of Diabetic Dysregulation

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

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- UTI
- Dietary indiscretion/intolerance
- Pancreatitis
- Hyperthyroidism/hypothyroidism
- Exogenous steroids (including topical eye meds)

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- Cushing's
- Acromegaly
- Owner compliance

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- Insulin quality issues
- Antibodies to insulin
- Underlying Neoplasia

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Diffuse liver disease

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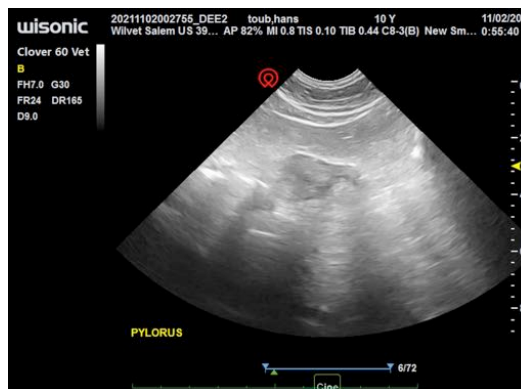
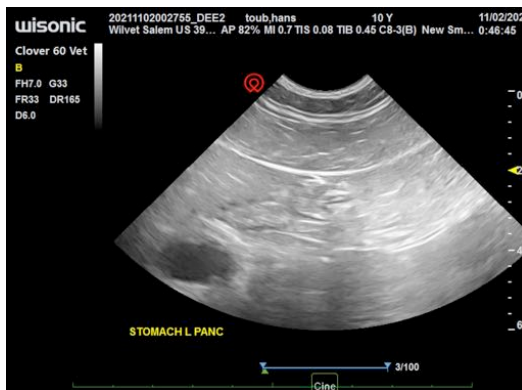
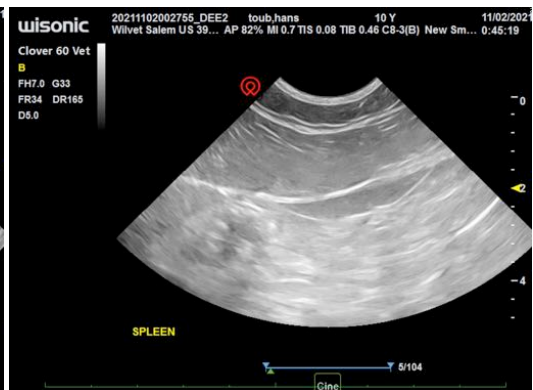
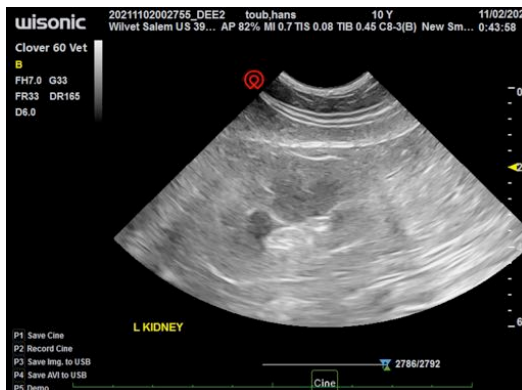
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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