

**DATE PRESENTING CLINICAL SIGNS**

12/6/21

History: Pt presents for vomiting/lethargy/inappetence 12/4/2021 - bloodwork findings show ALP and ALT too high to read, elevated GGT and Tbili as well. O elects few days of fluid and supportive care. Pt here on Monday for fluids and I disc with O ability to get ultrasound at this time.

PATIENT

Gretchen Rimorin

Current Medications: Fluids, Cerenia, Amoxicillin, Metronidazole, Gabapentin, Thyroxine 0.4mg 1/2 tab BID, Furosemide 20mg 2 tab BID, Pimobendan 5mg 1 tab BID, Denamarin 225mg 1 tab SID.

SPECIES

Canine

Lab Results: Attached separately. ALP and ALT too high to read, elevated GGT and Tbili as well.

Date of Previous IntraPet Ultrasound: No previous IntraPet scans.

Sedation: No sedation required for a full diagnostic ultrasound.

Stat Report: Approved/Requested.

BREED

Pug X

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**SEX**

Spayed Female

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 were noted. Ureteral papillae were normal.

AGE

7/4/06

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 his age patient. Medullary structure differed distinctly from that of the cortex. The right kidney measured 6.22 cm with slight pyelectasia. The left kidney measured 5.66 cm with pyelectasia and pericapsular inflammatory pattern.

WEIGHT

40 Pounds

Adrenal Glands

The **right adrenal gland** was enlarged and irregular, measuring 2.58 cm x 1.77 cm. The **left adrenal gland** was also enlarged and irregular at the cranial pole measured 2.52 cm x 1.51 cm cranial pole and 0.69 cm at the caudal pole.

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**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.

IMAGING PERFORMED BYStephanie Pearce
RDCS, RVT**Liver**

The **liver** presented swollen, irregular contour and multifocal nodular changes. The gallbladder was overdistended and thickened with significant inflammation and striating bile. An overt mixed echogenic mass was noted measuring 5.0 cm. Minor amounts of free fluid were noted around the gallbladder wall with significant inflammation. Mucoduct was also noted in the liver with common bile duct dilation of 4.0 mm.

HOSPITAL NAME

Everhart Vet Center

REFERRING VET**INVOICE**

33285

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

Pancreas

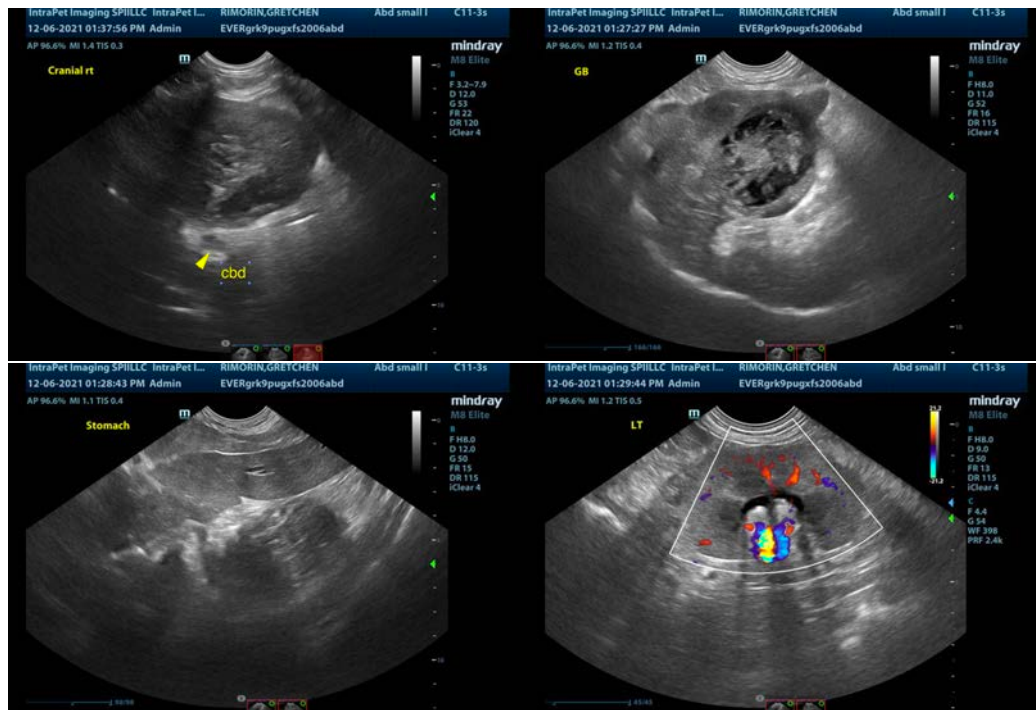
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Inflamed gallbladder mucocele with regional peritonitis/bile peritonitis
- Concurrent hepatic mass and nodular changes
- Bilateral irregular adrenal enlargement
- Age related renal changes with pyelectasia

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Exploratory surgery could be considered in this patient with expectations of cholecystectomy and common bile duct lavage. The mass effects may be granulomatous or possibly suppurative. However, underlying carcinoma is a strong concern. Prognosis is guarded to poor. Assessment for concurrent pyelonephritis also warranted given the renal presentation.





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.

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