



## PATIENT

Luna Alger

## SPECIES

Canine

## BREED

Corgi

## SEX

Spayed Female

## AGE

8

## WEIGHT

31.3

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP (Canine &  
Feline), Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Linda Grau

## HOSPITAL NAME

Fredon AH

## REFERRING VET

Dr. Linda Grau

## INVOICE

37267

## DATE

5/28/26

## PRESENTING CLINICAL SIGNS

History of cholangiohepatitis, concern for pancreas with last scan, not demonstrated on cpl test which was normal.

Abnormal PE/Chem/CBC/UA Results: some reactivity to pressure upper right mild jaundice, liver enzymes have been improving.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The **urinary bladder** revealed a minor amount of sand, a grouping of which measured 1.0 cm. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor 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. Mineralization was noted in the kidneys. The left kidney measured 5.2 cm. The right kidney measured 5.1 cm.

### *Adrenal Glands*

The **adrenal glands** were not visualized.

### *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** revealed mild remodeling and slight increased portal markings. The gallbladder and common bile duct were unremarkable.

### *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. Some minor parenchymal remodeling, however, with mild deviation from curvilinear normalcy was



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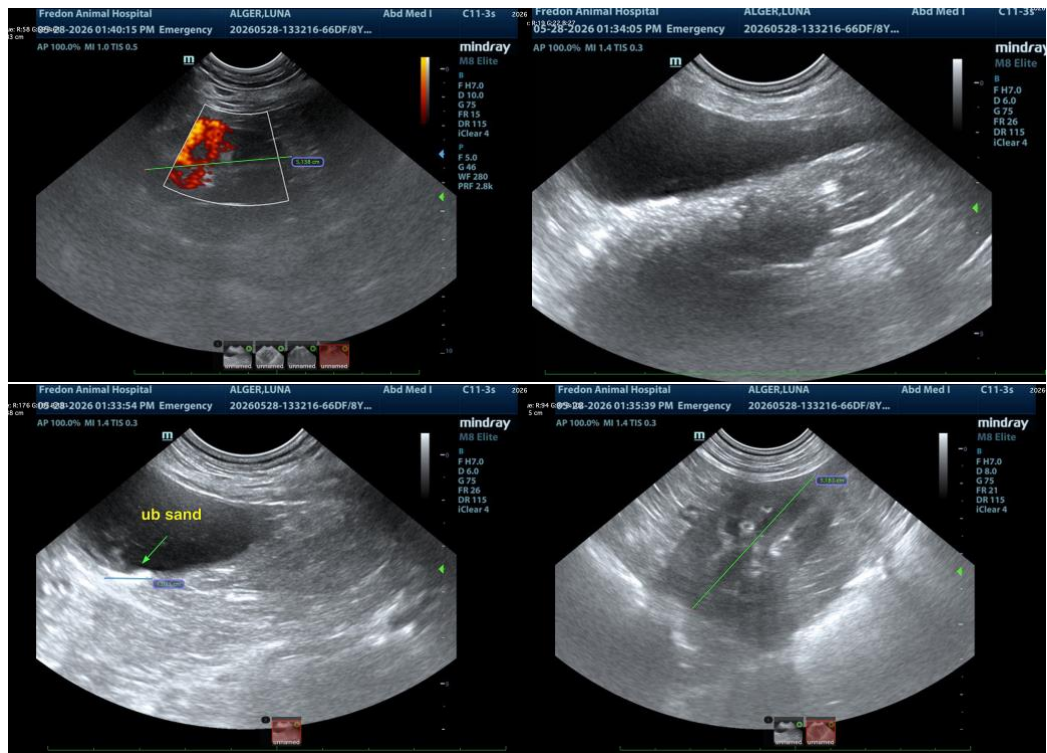
observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation, then low-grade smoldering chronic pancreatitis should be suspected.

**ULTRASONOGRAPHIC FINDINGS**

- Stable abdomen
- Age-related abdominal changes
- Mild hepatic remodeling and slight increased portal markings
- Renal mineralization

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Leptospirosis titers is warranted if not already performed. Ultrasound guided FNA of the liver or core liver biopsy would be appropriate if liver enzymes remain elevated.





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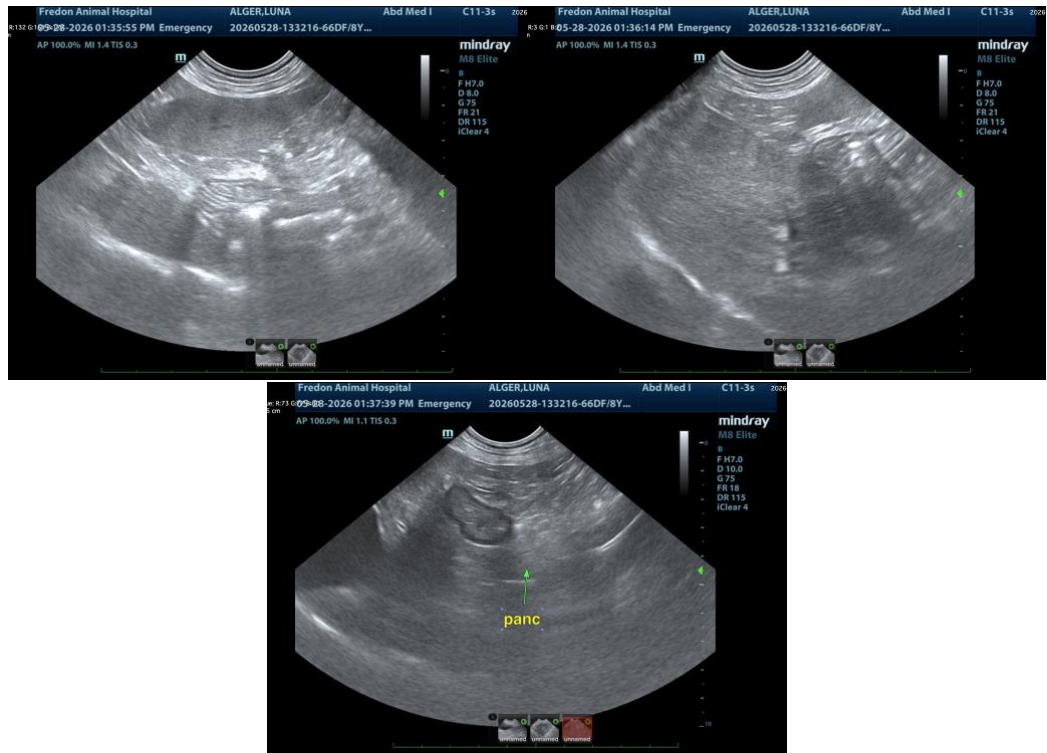
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**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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  
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