



**PATIENT PRESENTING CLINICAL SIGNS**

Gunnar Griffin  
History: hx of DM, pancreatitis  
Abnormal PE/Chem/CBC/UA Results: ALP 226 Triglyceride >500

**SPECIES**

Canine

**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.

**BREED**

**SEX**

Neutered male

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. Slight pyelectasia was noted. Slight pinpoint mineralization was noted in the kidneys. The left kidney measured 4.46 cm and the right kidney measured 4.2 cm.

**AGE**

11 years

**WEIGHT**

5 kg

**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 0.4 cm and the right adrenal gland measured 0.9 cm at the cranial pole and 0.5 cm at the caudal pole.

**INTERPRETED BY**

Eric 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 was noted.

**IMAGING PERFORMED BY**

Hayley Heindel, CVT

**HOSPITAL NAME**

Mason Dixon Animal  
Emergency Hospital

**REFERRING VET**

Dr. Petro

**Liver**

The **liver** was diffusely hyperechoic to the falciform fat with attenuating sound beam. This is consistent with diabetic hepatopathy. The gallbladder and common bile duct were unremarkable.

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**Gastrointestinal**

**DATE**

7/6/23

The **stomach** revealed a 1.0 cm, progressively shadowing structure that is consistent with medications, possible non-obstructive foreign matter.



**PATIENT** *Pancreas*

Gunnar Griffin

The **pancreas** revealed minor, heterogenous parenchymal changes with enhanced surrounding mesentery. There is a potential for low grade pancreatitis, yet the changes were subtle.

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

Unremarkable geriatric abdomen with diabetic hepatopathy, possible minor, right limb pancreatitis.

**BREED**

Minor renal pyelectasia.

**SEX**

Neutered male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Urinary work-up is warranted if not already performed to assess for UTI. Subxiphoid palpation is recommended to assess for pain in the region of the pancreas.

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**PATIENT**

Gunnar Griffin

**SPECIES**

Canine

**BREED**

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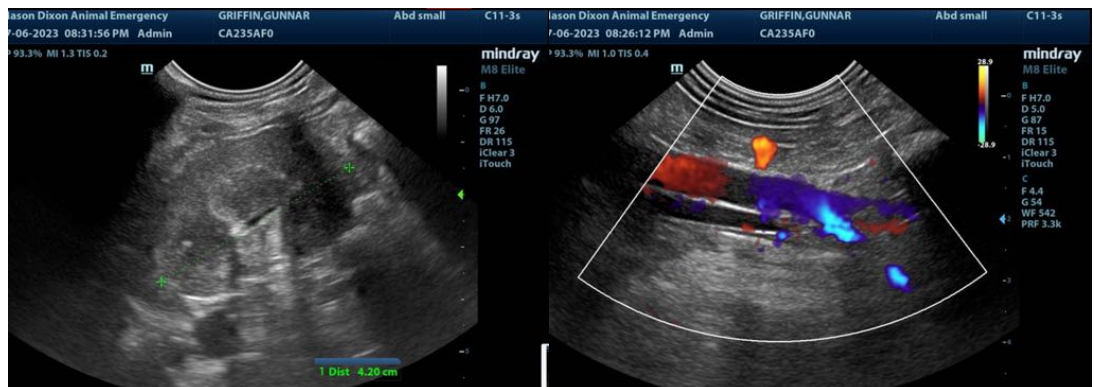
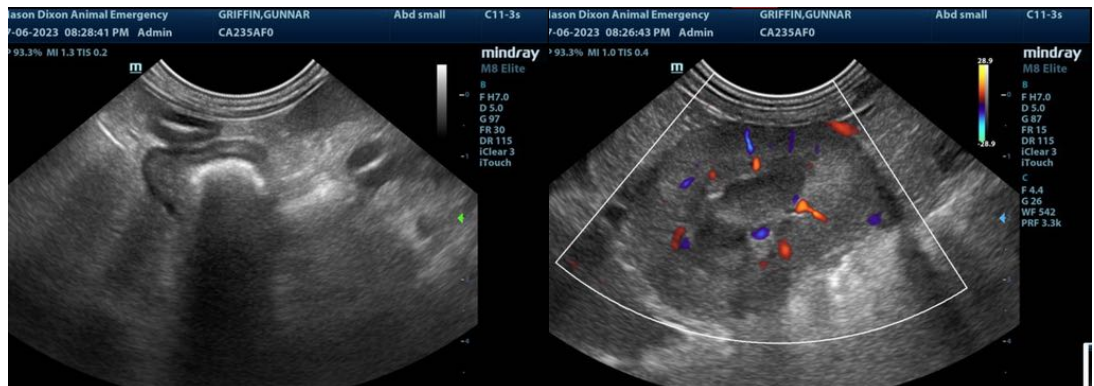
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com  
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