



**PATIENT PRESENTING CLINICAL SIGNS**

Matilda Stoll  
History: progressive increases in liver enzymes. On Apoquel  
Abnormal PE/Chem/CBC/UA Results: ALT 149, ALKP 931, chol 369, trig 419

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Bulldog Mix

The **urinary bladder** was mildly thickened and edematous, yet there was no evidence of neoplasia. The bladder revealed a large amount of suspended debris and dependent calculi and sand. Grouping of which measured 1.5 cm. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

**SEX**

Spayed Female

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 6.03 cm. The left kidney measured 5.46 cm.

**AGE**

7 years

**WEIGHT**

42 lbs

**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 2.65 x 0.55 cm at the caudal pole and 0.55 cm at the cranial pole. The right adrenal gland measured 2.55 x 1.08 cm at the cranial pole and 0.54 cm at the caudal pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Diane McFadden, RVT

**HOSPITAL NAME**

Newton VH

**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.

**INVOICE**

96789

**Liver**

The **liver** revealed slightly increased portal markings. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**DATE**

3/11/22



**PATIENT** *Gastrointestinal*

Matilda Stoll 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**

Bulldog 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**

Spayed Female

**ULTRASONOGRAPHIC FINDINGS**

Bladder sand with suspended debris.

**AGE**

7 years

Non-specific inflammatory hepatopathy.

Otherwise, unremarkable abdomen.

**WEIGHT**

42 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Cystotomy, sand analysis and culture are all indicated. Liver biopsy could be performed at the time of surgery.

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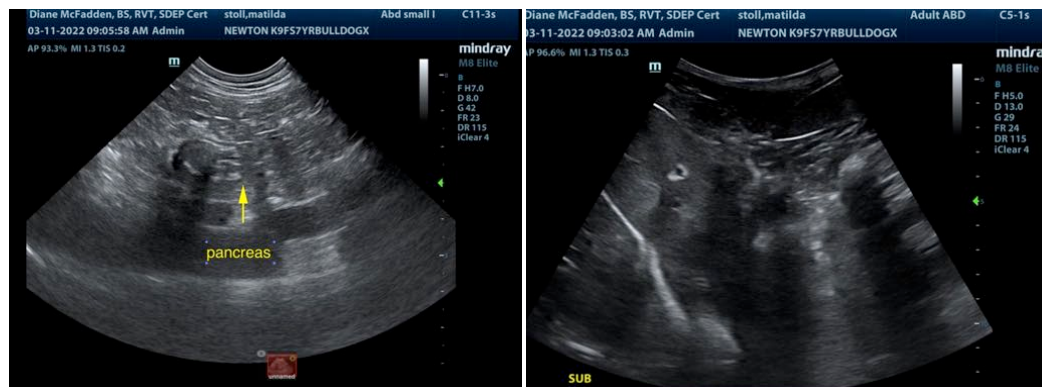
Newton VH

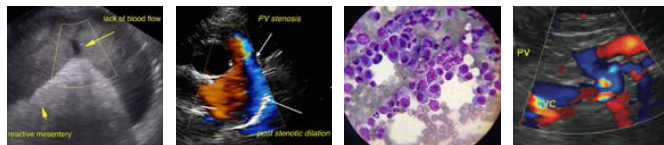
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**PATIENT**

Matilda Stoll

**SPECIES**

Canine

**BREED**

Bulldog Mix

**SEX**

Spayed Female

**AGE**

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**WEIGHT**

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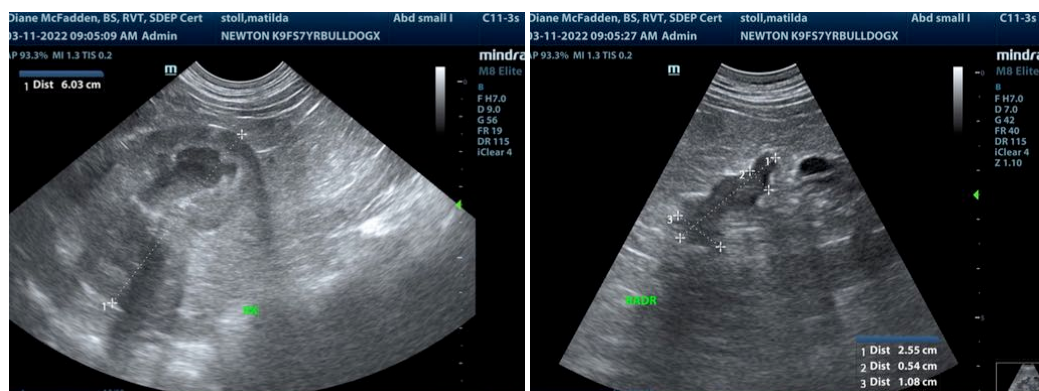
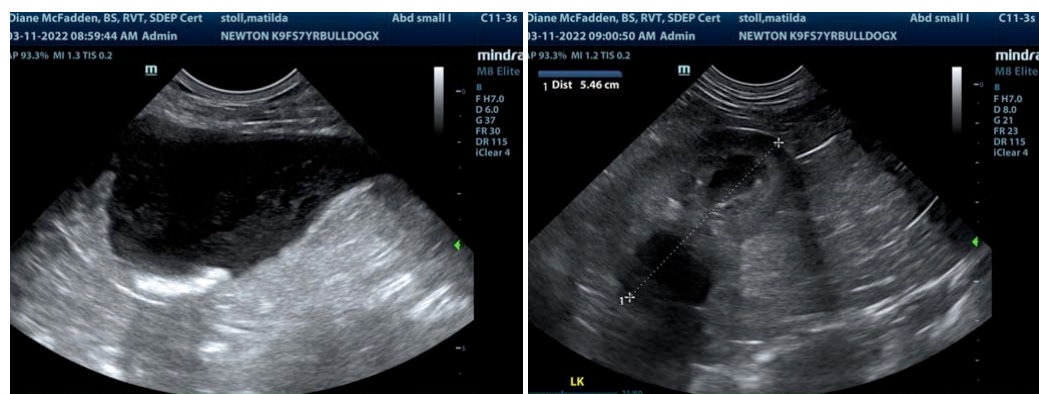
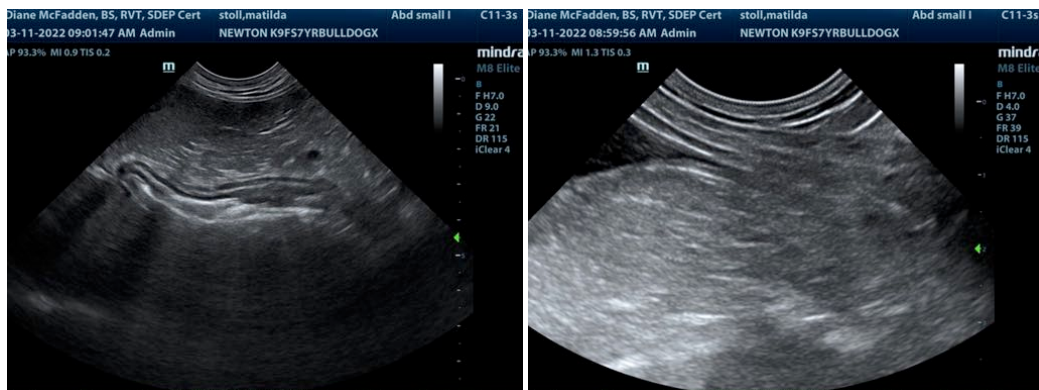
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**PATIENT**

Matilda Stoll

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.

**SPECIES**

Canine

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.

**BREED**

Bulldog Mix

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

**SEX**

Spayed Female

**AGE**

7 years

**WEIGHT**

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