



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Max Friars cranial abdominal organomegaly on routine exam and splinting . irregular spleen + increased liver on rads

**SPECIES** Abnormal PE/Chem/CBC/UA Results: pending ,HX elevated liver values but 6/23/21 all normal except ALK phos 764

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED *Urinary System***

Belgian Malinois

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. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

**SEX**

Neutered Male

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 7.71 cm. The left kidney measured 7.0 cm.

**AGE**

10 Years

***Adrenal Glands***

**WEIGHT**

90 Pounds

The **left adrenal gland** was 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. The **right adrenal gland** was not visualized.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

***Spleen***

The **spleen** was folded upon itself cranially. Hyperechoic nodular changes noted, consistent with lipogranulomas, not pathological.

**IMAGING PERFORMED BY**

Evanna

***Liver***

The **liver** was diffusely hyperechoic to falciform fat. The gallbladder and common bile duct were unremarkable. Parenchyma was uniform. Generalized hepatomegaly noted, consistent with vacuolar hepatopathy or endocrinopathy based liver.

**HOSPITAL NAME**

ACC Flanders

***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.

**REFERRING VET**

Dr. Casulli

***Pancreas***

**INVOICE**

33489

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.

**DATE**

12/16/21



**PATIENT**

Max Friars

**SPECIES**

Canine

**BREED**

Belgian Malinois

**SEX**

Neutered Male

**AGE**

10 Years

**WEIGHT**

90 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
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**HOSPITAL NAME**

ACC Flanders

**REFERRING VET**

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**DATE**

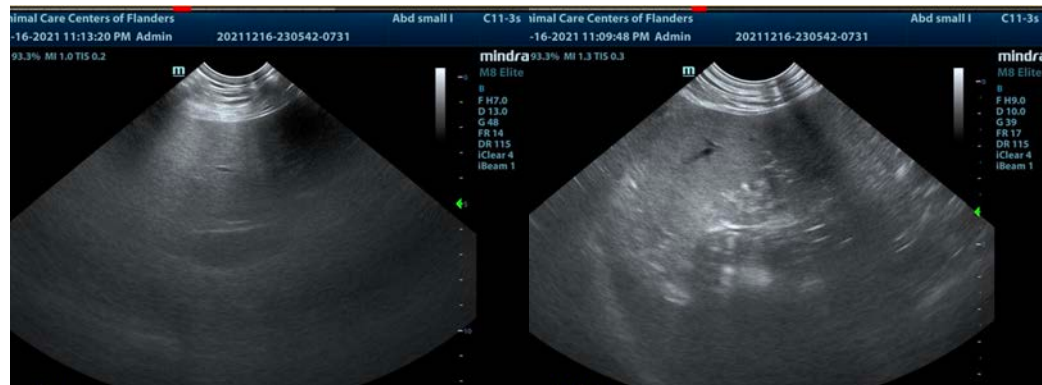
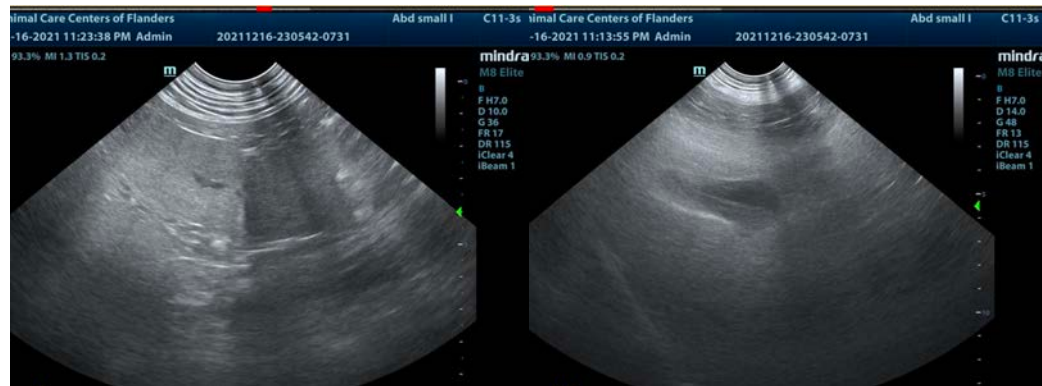
12/16/21

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen
- Folded spleen (positional anomaly) and hyperechoic nodular changes
- Metabolic hepatopathy

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of visceral disease to be responsible for the abdominal splinting. Referred back pain should be considered. FNA of the liver could be considered for further definition, yet unlikely to be a clinical issue.





**PATIENT**

Max Friars

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.

**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**

Belgian Malinois

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

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**SEX**

Neutered Male

**AGE**

10 Years

**WEIGHT**

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