



**PATIENT**

Elsa Donna

**SPECIES**

Canine

**BREED**

German Shorthaired Pointer

**SEX**

Spayed Female

**AGE**

7 Years

**WEIGHT**

59 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Chrissy Krell

**HOSPITAL NAME**

Town & Country AC

**REFERRING VET**

Dr. Amanda Bergin

**INVOICE**

46707

**DATE**

4/14/23

**PRESENTING CLINICAL SIGNS**

Acute onset of inappetence, ADR since male owner left for trip. Suspect history of stress/separation anxiety when he is gone for a period of time. Patient was previously normal, blood work in February 2023 (chem panel) unremarkable. Last week she began to have symptoms, abnormal liver/biliary changes on BW. Patient improving some, only taking Cerenia and I/D presently.

Abnormal PE/Chem/CBC/UA Results: PE abnormalities: QAR, small lipoma on the left flank 4/11/23 X-rays - normal/NSF 4/11/23 CHEM: ALT - not readable ALKP - 1332 GGT 61 TBIL 1.2 4/14/23 CBC - normal Coags - normal ALT 1138 AST - 133 ALP 918 Tbil 1.0 Unconj Bil - 0.6 Conj Bil 0.4 TT4 - normal 4/14/23 Pending FNA of liver and Lepto PCR

**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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 6.52 cm. The left kidney measured 5.9 cm.

**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 2.55 cm x 0.53 cm at the cranial pole and 0.54 cm at the caudal pole. The right adrenal gland measured 1.68 cm x 0.59 cm at the cranial pole and 0.67 cm at the caudal pole.

**Spleen**

The **spleen** was enlarged with mild scalloping contour. Subtle heterogeneous parenchymal changes noted. The spleen was folded upon itself caudally.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. 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.

**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.



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**Pancreas**

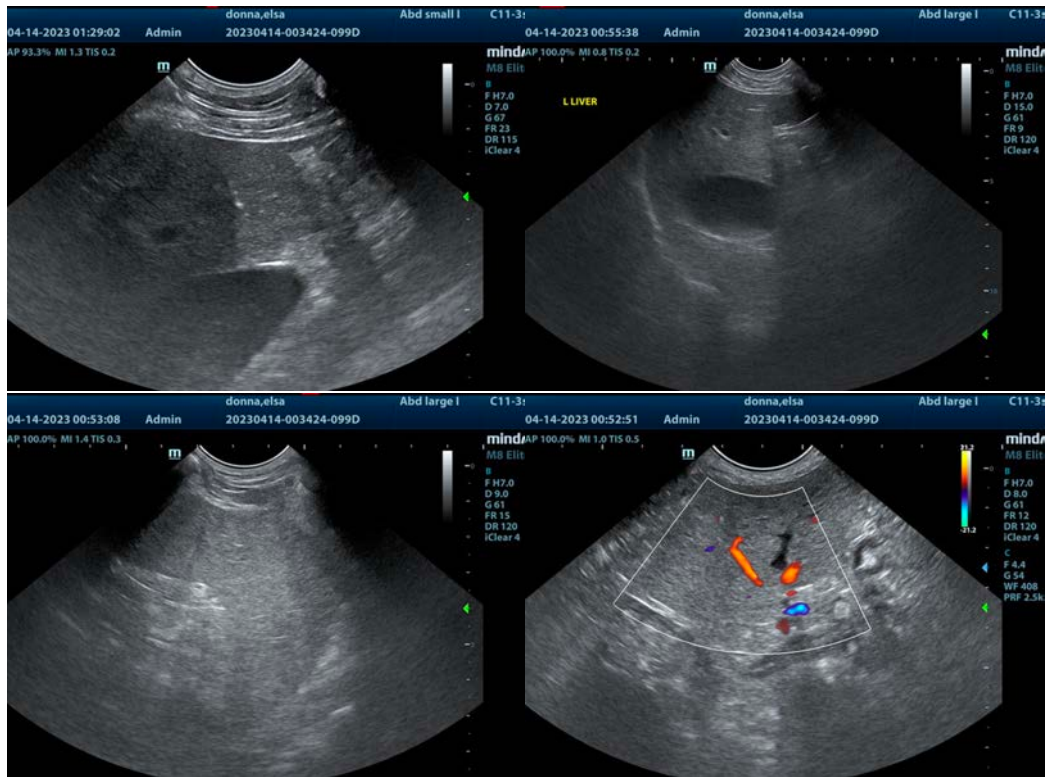
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

- Mild splenic enlargement with subtle micronodular changes

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the spleen indicated. Structurally unremarkable liver. Ultrasound guided FNA performed without complication. Acute hepatic insult suspected. Leptospirosis titers warranted. Minor potential for neoplasia. Ampicillin, nutraceuticals, IV fluid support all indicated. Reactive spleen versus splenitis or emerging round cell neoplasia all possible regarding the splenic presentation.





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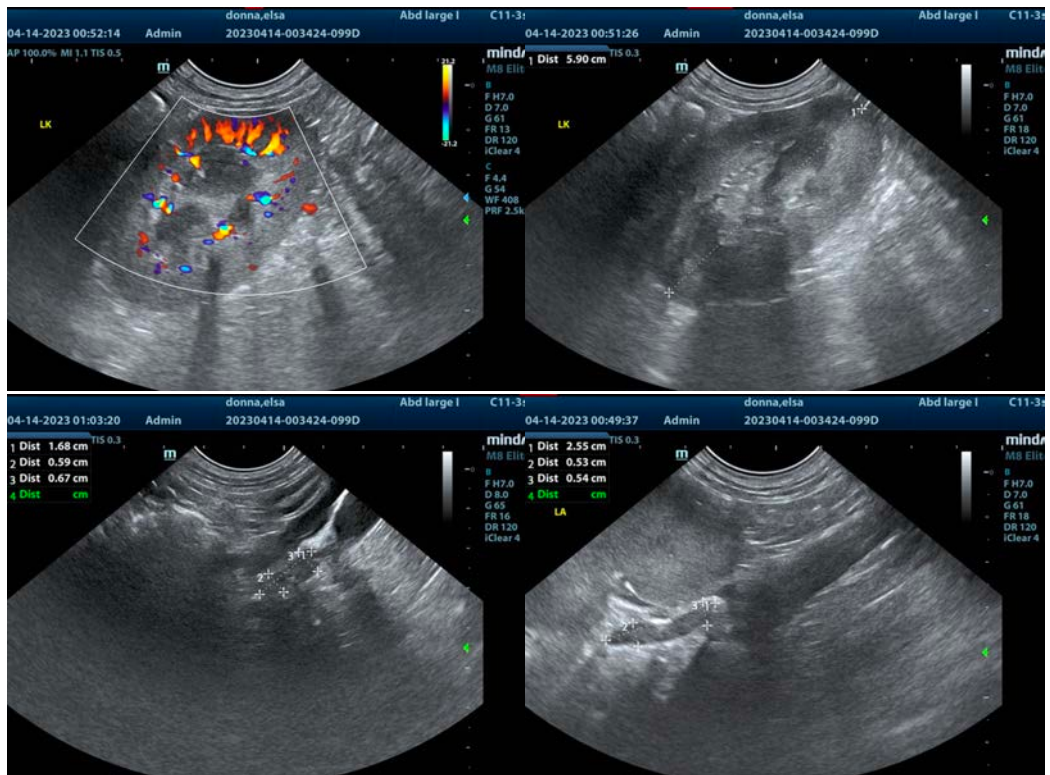
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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