



**PATIENT PRESENTING CLINICAL SIGNS**

Frosty Mazzola History: vomiting, lethargy gastroenteritis vs neoplasia

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

**BREED** 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.

Westie

**SEX**

Spayed Female 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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Pelvic calculus was noted in the left kidney at 0.8 cm. The right kidney measured 4.0 cm with pelvic mineralization.

**AGE**

2005

**WEIGHT**

**Adrenal Glands**

Both **adrenal glands** were enlarged, irregular and heterogenous. The right adrenal gland measured 2.22 x 1.22 cm at the cranial pole and 0.62 cm at the caudal pole. The left adrenal gland measured 2.87 x 0.97 cm at the caudal pole and 1.28 cm at the cranial 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**

Jenn

**HOSPITAL NAME**

Rockaway AH

**Liver**

**REFERRING VET**

Dr. Maniar

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Occasional, hyperechoic nodular changes were noted. This is consistent with lipogranuloma and remodeling. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

**INVOICE**

30466

**DATE**

5/17/22



**PATIENT**

**Gastrointestinal**

Frosty Mazzola

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**

Westie

**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**

Bilateral adrenal enlargement.

**AGE**

Moderate degenerative renal changes with pelvic mineralization.

2005

Hepatic remodeling.

**WEIGHT**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Blood pressure measurements are recommended. There was no overt evidence of neoplasia. If the patient appears Cushingoid work-up for PDH is indicated. If hypertension is present then urine catecholamine is indicated given the nodular adrenal changes. There is a minor potential for pheochromocytoma.

**INTERPRETED BY**

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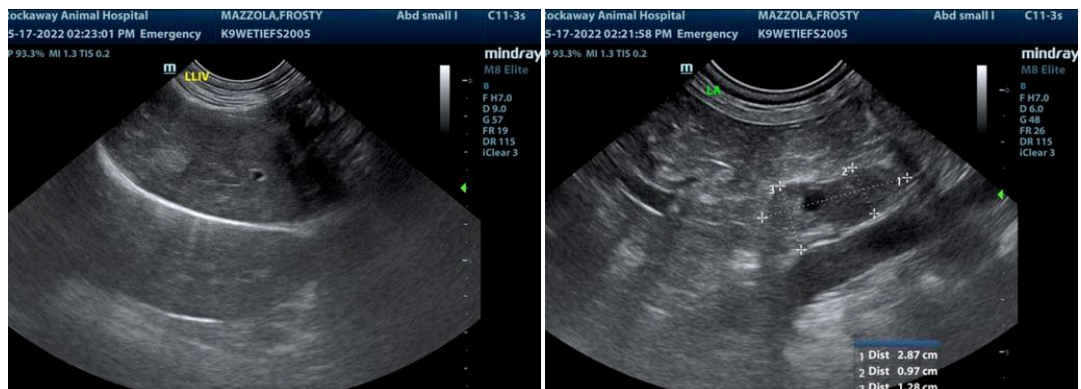
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**PATIENT**

Frosty Mazzola

**SPECIES**

Canine

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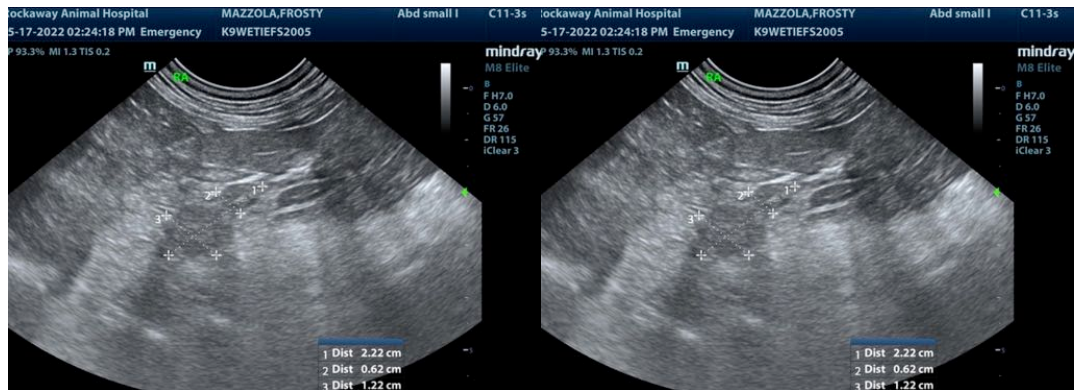
**SEX**

Spayed Female

**AGE**

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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.

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