



PATIENT

Frankie Newmann

SPECIES

Canine

BREED

Greater Swiss Mtn Dog

SEX

Spayed Female

AGE

12 Years

WEIGHT

86 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

A Murphy, CVT

HOSPITAL NAME

Wauwatosa VC

REFERRING VET

Dr. Oakes

INVOICE

47261

DATE

5/9/23

PRESENTING CLINICAL SIGNS

Frankie has been PU/PD for about one week. Bloodwork showed elevated liver values. Appetite and energy have been normal. She takes Prion to manage incontinence and carprofen and Gabapentin to manage arthritis pain.

Abnormal PE/Chem/CBC/UA Results: ALT 1002 (18-121) Prev. 197 ALP 1567 (5-160) Prev. 259 AST 162 (16-55) Cholesterol 729 (131-345) TT4 <0.4 (1-4) prev. 1.8

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 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 and no evidence of pelvic dilation was present. The left kidney measures 6.94 cm. The right kidney measures 7.0 cm.

Adrenal Glands

The **left adrenal gland** was not visualized. The region of the **right adrenal gland** was imaged, no evident pathology.

Spleen

The **spleen** was mildly enlarged and folded upon itself. Parenchyma was uniform. No evident pathology.

Liver

The **liver** presented a vacuolar hepatopathy pattern. Generalized hepatomegaly present. Mild increased portal markings noted. Slight heterogeneous changes noted. No significant disruptive pathology.

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.

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.

Free Abdomen

The caudal abdomen revealed a 15+ cm isoechoic uniform mass, consistent with body wall lipoma.



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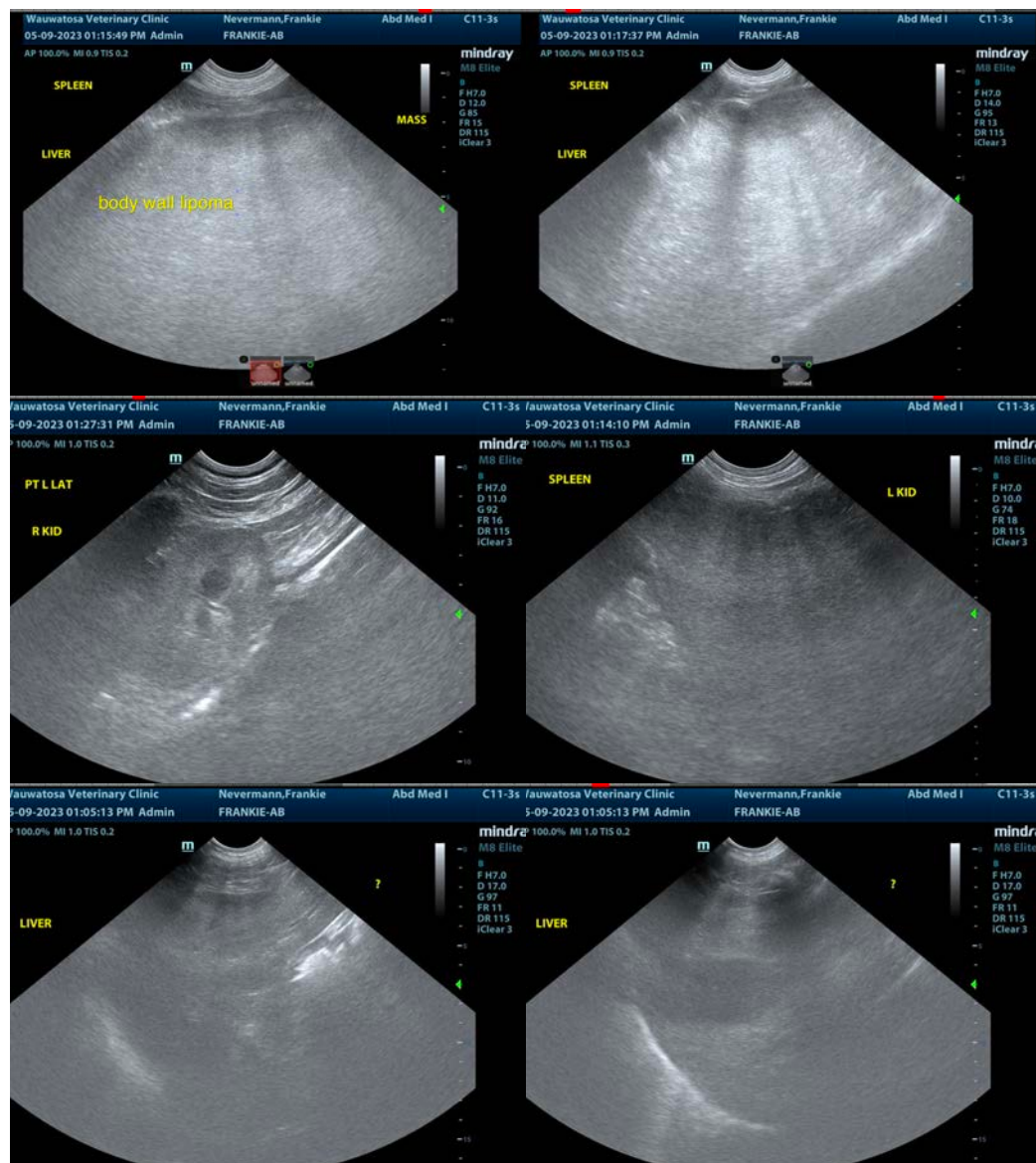
5/9/23

ULTRASONOGRAPHIC FINDINGS

- Subjectively benign hepatosplenomegaly
- Age related renal changes
- Body wall lipoma

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Cause of elevated liver values is unclear in a non-specific hepatic presentation. Ultrasound guided FNA of the liver recommended in this patient, given the liver enzyme elevations. Full sedation and further imaging of the adrenals may be appropriate.





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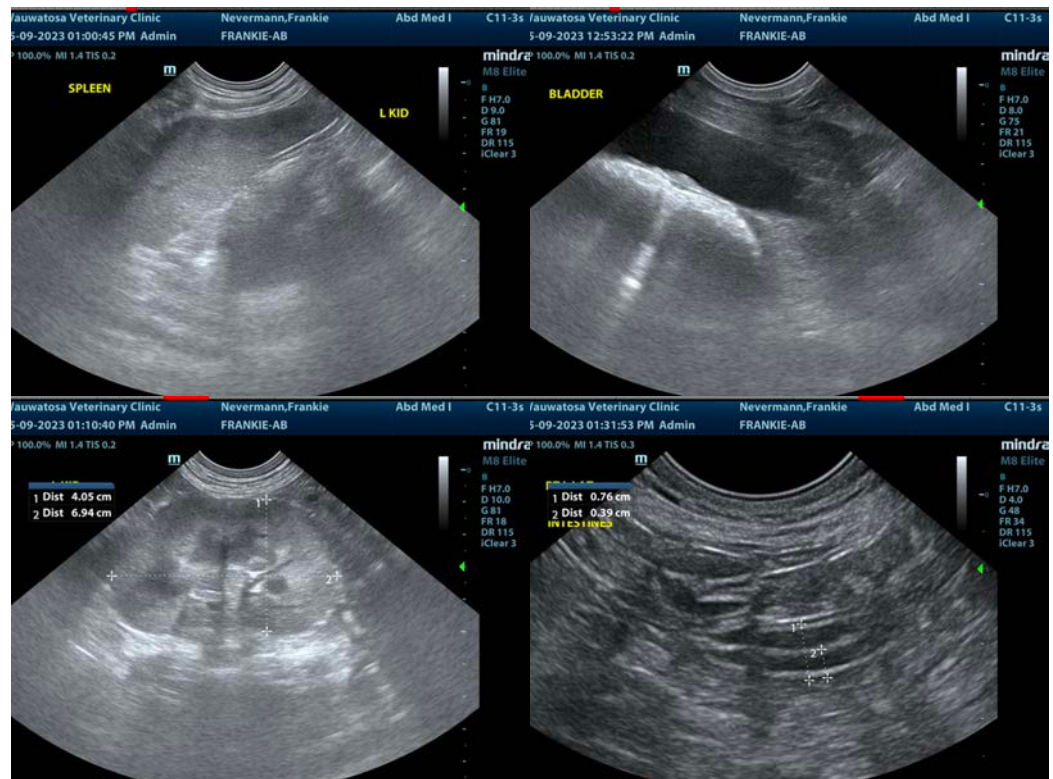
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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