



**PATIENT PRESENTING CLINICAL SIGNS**

Frankie LaChapelle History: History: Change in behavior (hiding, cowering) at home Physical exam findings: No significant findings, tense abdomen A Reason for Ultrasound: Evaluate for cause of increased ALP

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Chem: Moderate to severe elevation in ALP 906 - r/o cushings, vacuolar hepatopathy T4 3.1

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

Labrador Retriever mix The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with mostly anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

**SEX**

Neutered Male The prostate is normal in size (1.07 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

**AGE**

7 Years The left kidney is normal size (7.05 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with mild to moderate loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

**WEIGHT**

61.7 Pounds The right kidney is normal size (xxx cm in length); normal shape and architecture with smooth peripheral margins. A 1.04 cm cortical cyst is visualized. There is a normal 1:3 cortex to medulla ratio with mild to moderate loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(*Small Animal Internal  
Medicine*)

*Adrenal Glands*

The left adrenal gland is normal size (0.43 cm at cranial pole) (0.70 cm at caudal pole); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT

The right adrenal gland is normal size (0.90 cm at cranial pole) (0.58 cm at caudal pole) (2.70 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**HOSPITAL NAME**

Alpine AH

*Spleen*

The spleen is normal in size (1.80 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

**REFERRING VET**

Dr. Lindsay Sjloin

*Liver*

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and diffusely homogeneous in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gallbladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common bile ducts are normal.

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**PATIENT** *Gastrointestinal*

Frankie LaChapelle

The gastric lumen is not distended. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

**SPECIES**

Canine

*Pancreas*

The right limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

**BREED**

Labrador Retriever mix

**SEX**

Neutered Male

*Free Abdomen*

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A 1.17 cm sublumbar lymph node is visualized. In addition, a 2.52 cm mesenteric lymph node is seen. The nodes are normal in shape and echogenicity.

**AGE**

7 Years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

61.7 Pounds

**Primary Findings:**

- The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, regenerative nodular hyperplasia, and/or age-related remodeling. Inflammatory and infiltrative disease are considered less likely.
- Gallbladder debris- incidental.

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(*Small Animal Internal  
Medicine*)

**Secondary Findings:**

- Minor age-related pancreatic remodeling.
- The lymph node changes are most consistent with reactive lymphadenitis or lymphoid hyperplasia.
- Bilateral degenerative renal changes with a right cortical cyst.

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**HOSPITAL NAME**

Alpine AH

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Serial monitoring (i.e., every 3-4 months) of the patient's liver values is recommended. If liver values continue to increase, a repeat abdominal ultrasound +/- hepatic tissue sampling may be warranted.
- Regarding the patient's current clinical signs, consider orthopedic and neurologic examinations to assess for evidence of pain/discomfort and other causes of behavior changes. Also consider a urine culture and sensitivity to evaluate for occult pyelonephritis, which can result in abdominal/back pain.

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**PATIENT**

Frankie LaChapelle

**SPECIES**

Canine

**BREED**

Labrador Retriever mix

**SEX**

Neutered Male

**AGE**

7 Years

**WEIGHT**

61.7 Pounds

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**REFERRING VET**

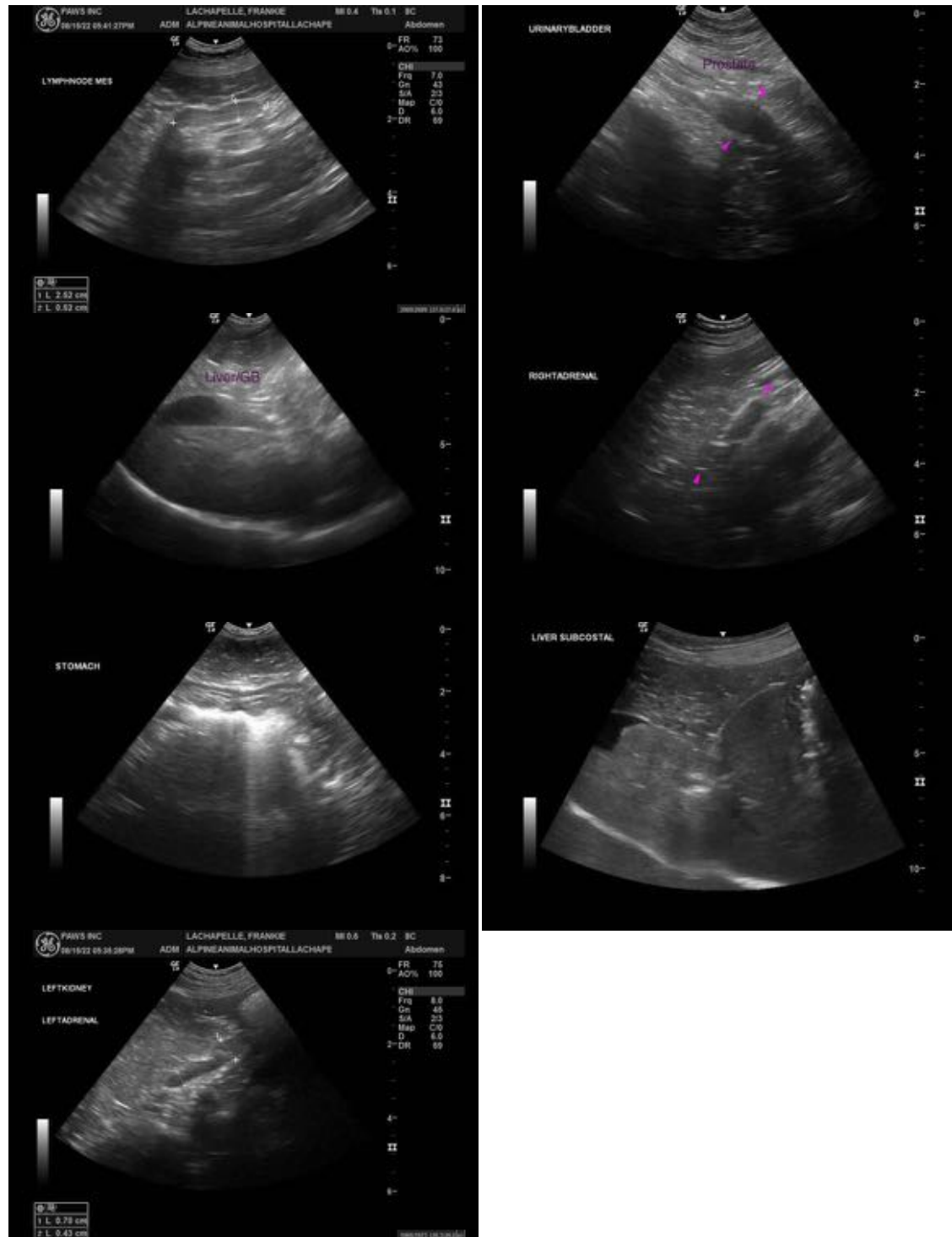
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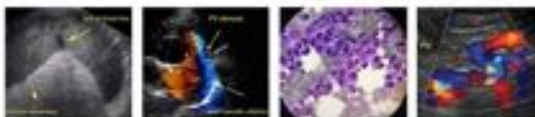
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



**PATIENT**

can be of any further assistance, please contact me.

Frankie LaChapelle

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**SPECIES**

Canine

**BREED**

Labrador Retriever mix

**SEX**

Neutered Male

**AGE**

7 Years

**WEIGHT**

61.7 Pounds

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