



**PATIENT PRESENTING CLINICAL SIGNS**

Rory Barnard Suspect pancreatitis. Has been not himself. Gabapentin. No rads.

Abnormal PE/Chem/CBC/UA Results: PSL 248, otherwise CBC/Chem wnl

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Golden Retriever

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

**SEX**

MN

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.4 cm in length. The right kidney measured 6.8 cm in length.

**AGE**

14yr

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology.

**WEIGHT**

71.4lb

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.78 cm width at the caudal pole and 0.67 cm width at the cranial pole. The right adrenal gland was indistinctly visualized owing to patient size with no overt pathology.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**Spleen**

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

**IMAGING PERFORMED BY**

Crystal Hill

**Liver/Gallbladder**

**HOSPITAL NAME**

Mountain Animal  
Hospital

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild non-organized hyperechoic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

**REFERRING VET**

McKenzie

**Gastrointestinal**

**INVOICE**

13459ag

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

**DATE**

04/14/2023

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.



**PATIENT** *Pancreas*

Rory Barnard The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

**SPECIES** *Free Abdomen*

Canine No omental masses, overt lymphadenopathy or peritoneal effusion was present.

**BREED** **ULTRASONOGRAPHIC FINDINGS**

- Golden Retriever
- Mild chronic renal changes.
  - Gallbladder debris (non-mucocele).
  - Sonographically unremarkable GI tract/pancreas.

**SEX**

MN

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

14yr

Overall, largely a mild geriatric abdomen with no overt evidence of significant abdominal visceral pathology. The appearance of the pancreas was not sonographically consistent with significant or active pancreatitis. Low grade pancreatitis may be present and appear essentially sonographically normal. No evidence of intra-abdominal neoplastic criteria.

**WEIGHT**

71.4lb

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Mountain Animal  
Hospital

**REFERRING VET**

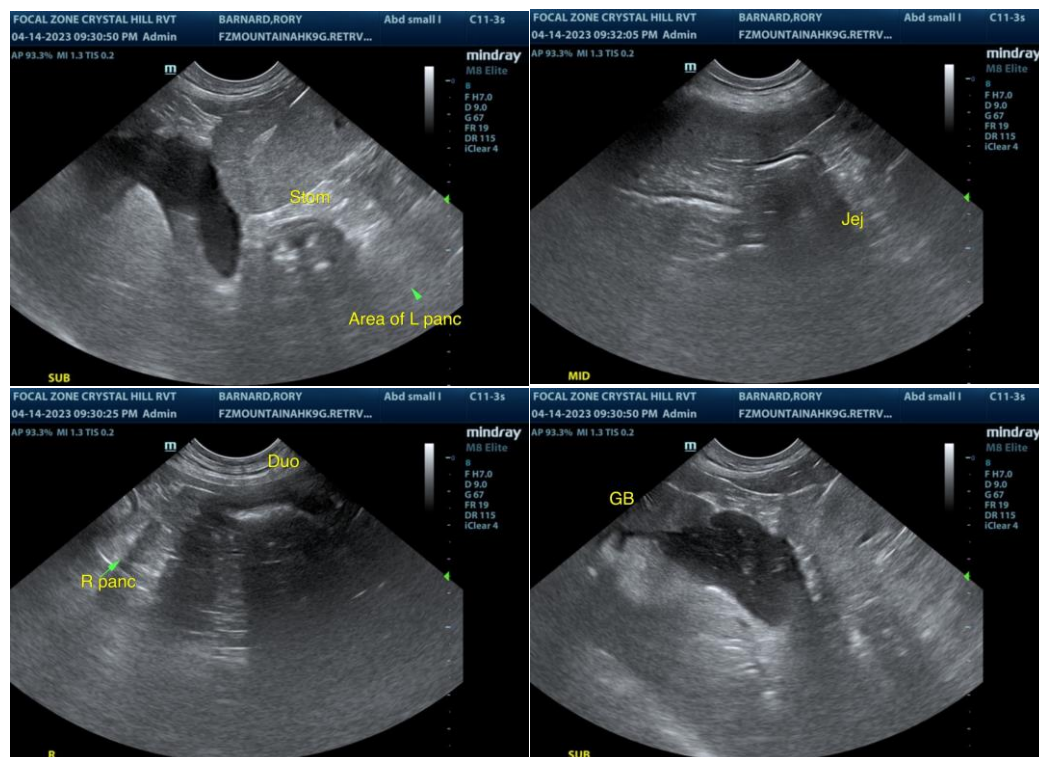
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**PATIENT**

Rory Barnard

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

MN

**AGE**

14yr

**WEIGHT**

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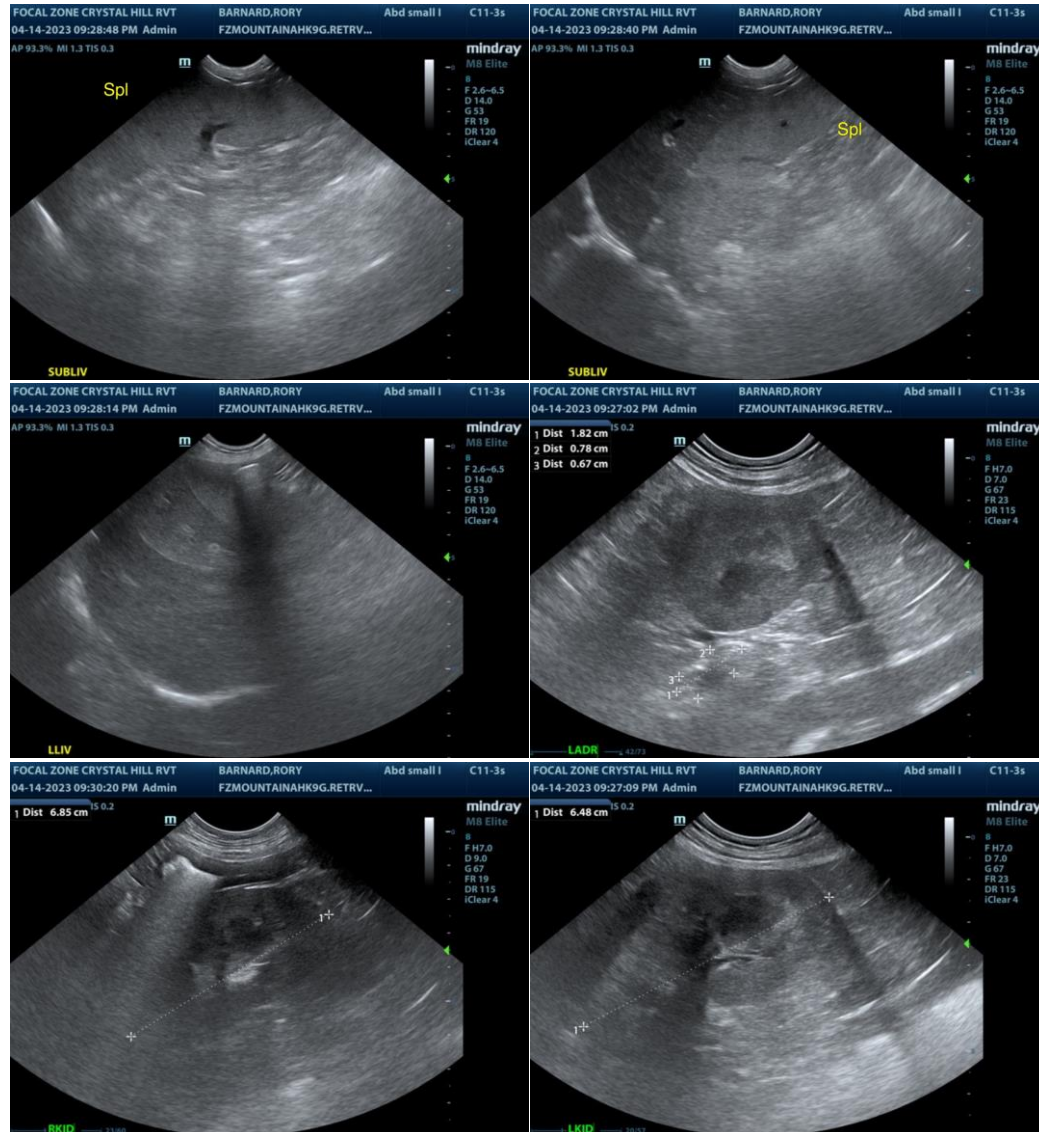
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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