



**PATIENT**

Nala Melvin

**SPECIES**

Canine

**BREED**

Pitbull

**SEX**

SF

**AGE**

12 years

**WEIGHT**

62.6 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**  
The Ark Veterinary  
Clinic

**REFERRING VET**

Dr. Sangl

**INVOICE**

14448

**DATE**

7/28/22

**PRESENTING CLINICAL SIGNS**

R/O iatrogenic hyperthyroidism, parathyroid disease, other neoplasia, open  
Abnormal PE/Chem/CBC/UA Results: Total T4 > 10 Ca = 12.6 Current Medications cerenia 60 mg  
SID Radiographic Findings Inconclusive

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 was noted.

The area of the iliac trifurcation was free of pathology including no evidence of medial Iliac or sublumbar lymphadenopathy/masses.

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 6.6 cm in length. The right kidney measured 6.7 cm in length.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.9 cm length x 0.55 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.5 cm length x 0.79 cm width at the caudal pole.

**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.

**Liver/ Gallbladder**

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. The cystic and common bile ducts were normal.



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**Gastrointestinal**

The lumen of the stomach contained moderate ingesta exhibiting strong distal acoustic shadowing. Sonographic assessment of the entirety of the gastric wall was limited owing to the presence of strongly shadowing gastric ingesta. No overt evidence of pathology was noted in the visualized gastric wall. The ventral gastric body wall width measured 0.27 cm.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Areas of mild segmental nonshadowing ingesta / chyme were present with no evidence of mechanical / metabolic small intestinal ileus. The small intestinal wall width measured 0.34 cm.

Normal visible colon wall layers were present with strongly shadowing fecal matter.

**Pancreas**

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 were evident.

**Free Abdomen**

No omental masses, lymphadenopathy, or evidence of peritoneal effusion were noted.

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**ULTRASONOGRAPHIC FINDINGS**

- Mild age-related kidneys
- Overtly normal gastrointestinal tract with strongly shadowing gastric ingesta
- Normal hepatosplenic sonographic presentation - no evidence of hepatosplenic neoplastic criteria

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Largely mild geriatric abdomen without evidence of significant visceral pathology including no evidence of intraabdominal neoplastic criteria.

The strongly shadowing gastric ingesta is nonspecific and may correlate with post prandial presentation with dense ingesta. Technically, the possibility of gastric foreign material cannot be excluded, especially if documented NPO prior to the ultrasound. Radiographic monitoring for evidence of normal gastric emptying is recommended over the next 24 hours.

Free T4, as well as TSH level and hypercalcemia panel to include ionized calcium PTH and PTHrP could be considered for further assessment.

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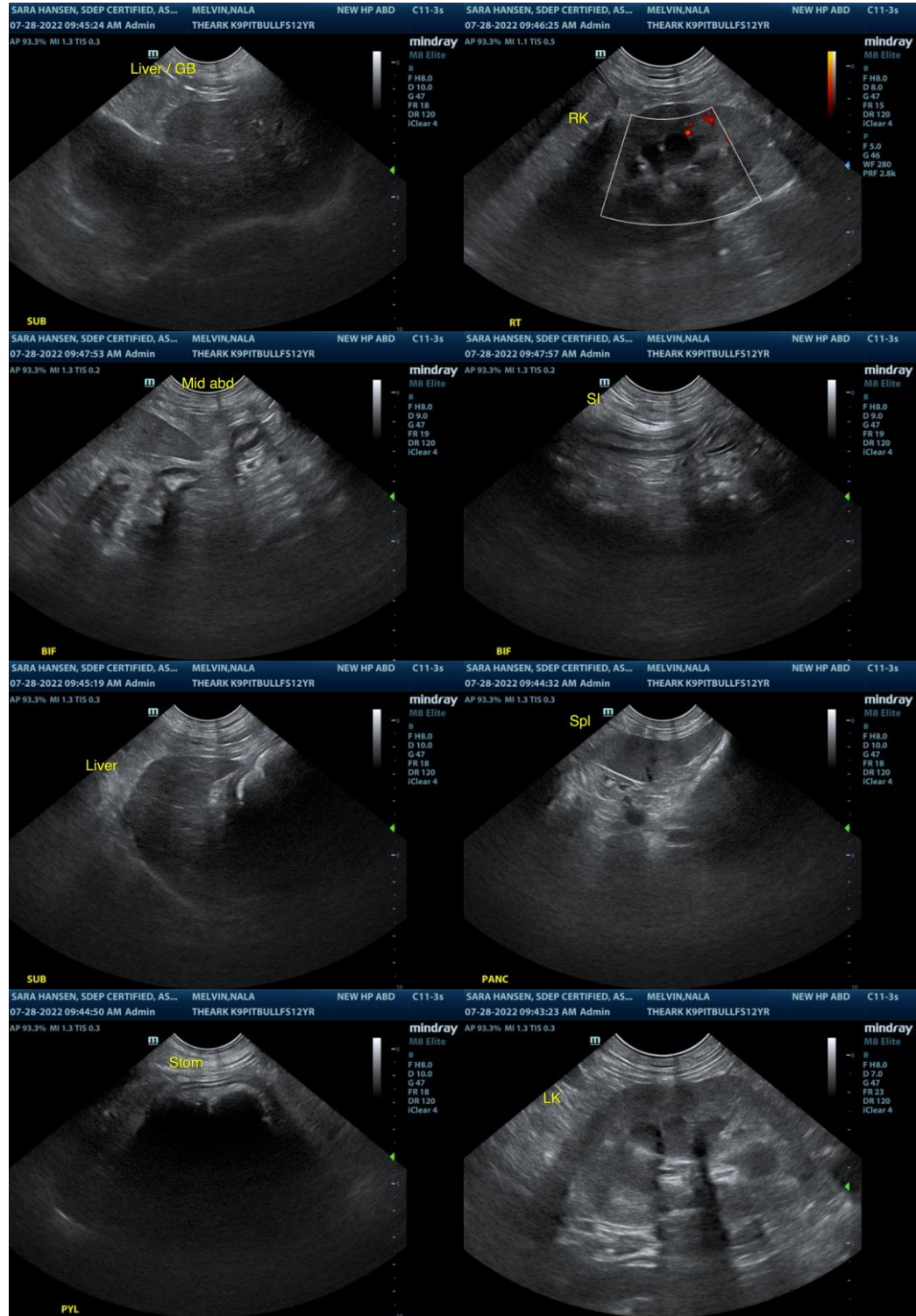
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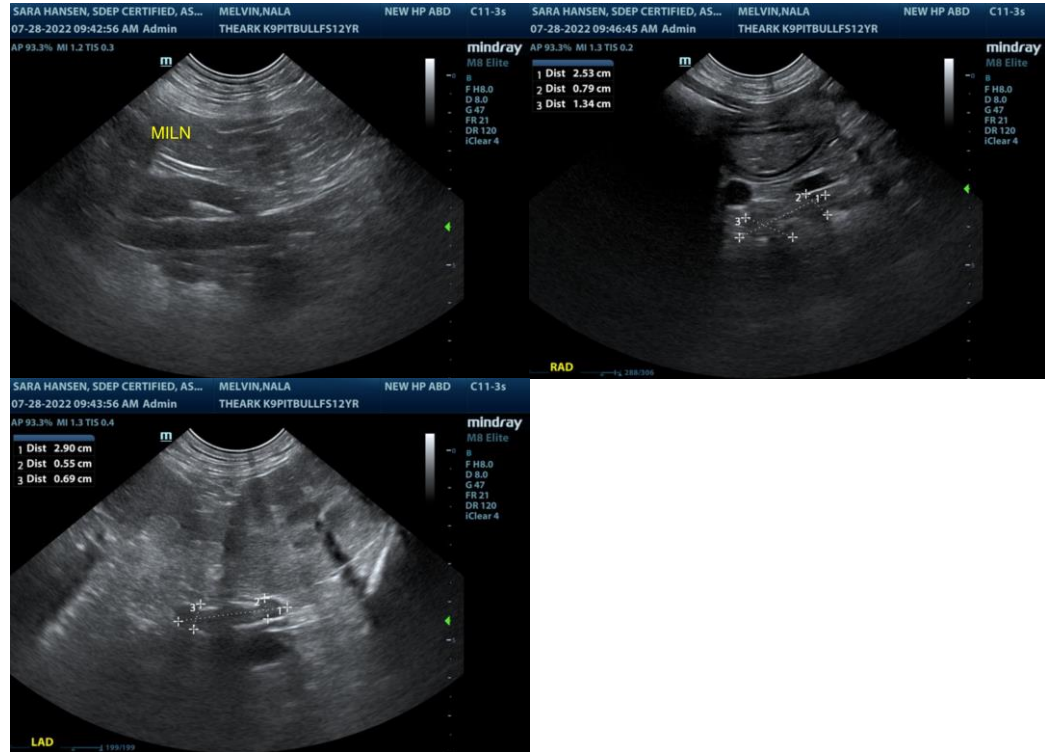
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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info@SonoPath.com

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