


PATIENT

Kallie Mitchell

SPECIES

Canine

BREED

Australian Shep

SEX

FS

AGE

13 years

WEIGHT

21.5 kg

INTERPRETED BY

 R. McKenzie Daniel,
 DVM, DABVP

**IMAGING
 PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Preston Animal Clinic

REFERRING VET

Dr. Coghlan

INVOICE

13552

DATE

3/24/22

PRESENTING CLINICAL SIGNS

Exam March 19/22 -pu/pd, BAR, NAF on abdominal palpation, after lab work - diagnosed with Diabetes Mellitus Thyro tabs 0.8mg SID, Metacam prn, Gabapentin prn
 Abnormal PE/Chem/CBC/UA Results: glucosuria, elevated blood glucose

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. Primarily anechoic urine was present in the lumen. Minor, nondependent, particulate sediment was present without evidence of calculus formation. The sediment is likely consistent with minor cellular or crystalline debris or possible minor mucus. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

The area of the aortic trifurcation was free of pathology.

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 pyelectasia was present. The left kidney measured 5.8 cm in length. The right kidney measured 5.8 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 2.6 cm length x 0.61 cm width at the caudal pole. The right adrenal gland was indistinctly visualized yet without overt pathology. The right adrenal gland subjectively measured 0.79 cm width at the caudal pole. No overt evidence of adrenal pathology was noted.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

Liver/ Gallbladder

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild gallbladder debris. The gallbladder was otherwise normal. The cystic and common bile ducts were normal.



PATIENT

Gastrointestinal

Kallie Mitchell

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild, retained non shadowing ingesta/chyme most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

SPECIES

Canine

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.

BREED

Australian Shep

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

SEX

FS

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.

AGE

13 years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

21.5 kg

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Mild urinary bladder sediment
- Mild chronic renal changes - no evidence of pyelonephritis
- Benign hepatomegaly - nonspecific given lack of reported hepatic enzyme elevations yet suggestive of probable metabolic / reactive / vacuolar hepatopathy potentially primary or secondary to diabetes
- Mild gallbladder debris (non-mucocele)
- Mild retained gastric ingesta / chyme

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no overt evidence of significant visceral pathology.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Preston Animal Clinic

Urine culture and sensitivity on a sterile urine sample, given the glucose urea and diabetes, is recommended. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial if evidence of hepatic enzyme elevations or cholestasis develops. The PU/PD in this patient is suspected to be secondary to diabetes without overt evidence of adrenal pathology. However, if persistent PU/PD with control of serum glucose levels, further adrenal workup may be considered.

REFERRING VET

Dr. Coghlan

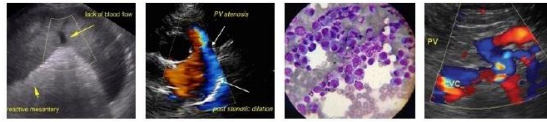
INVOICE

13552

For an additional charge, internal medicine consult can be utilized through Sonopath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

DATE

3/24/22



PATIENT

Kallie Mitchell

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

SPECIES

Canine

BREED

Australian Shep

SEX

FS

AGE

13 years

WEIGHT

21.5 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Preston Animal Clinic

REFERRING VET

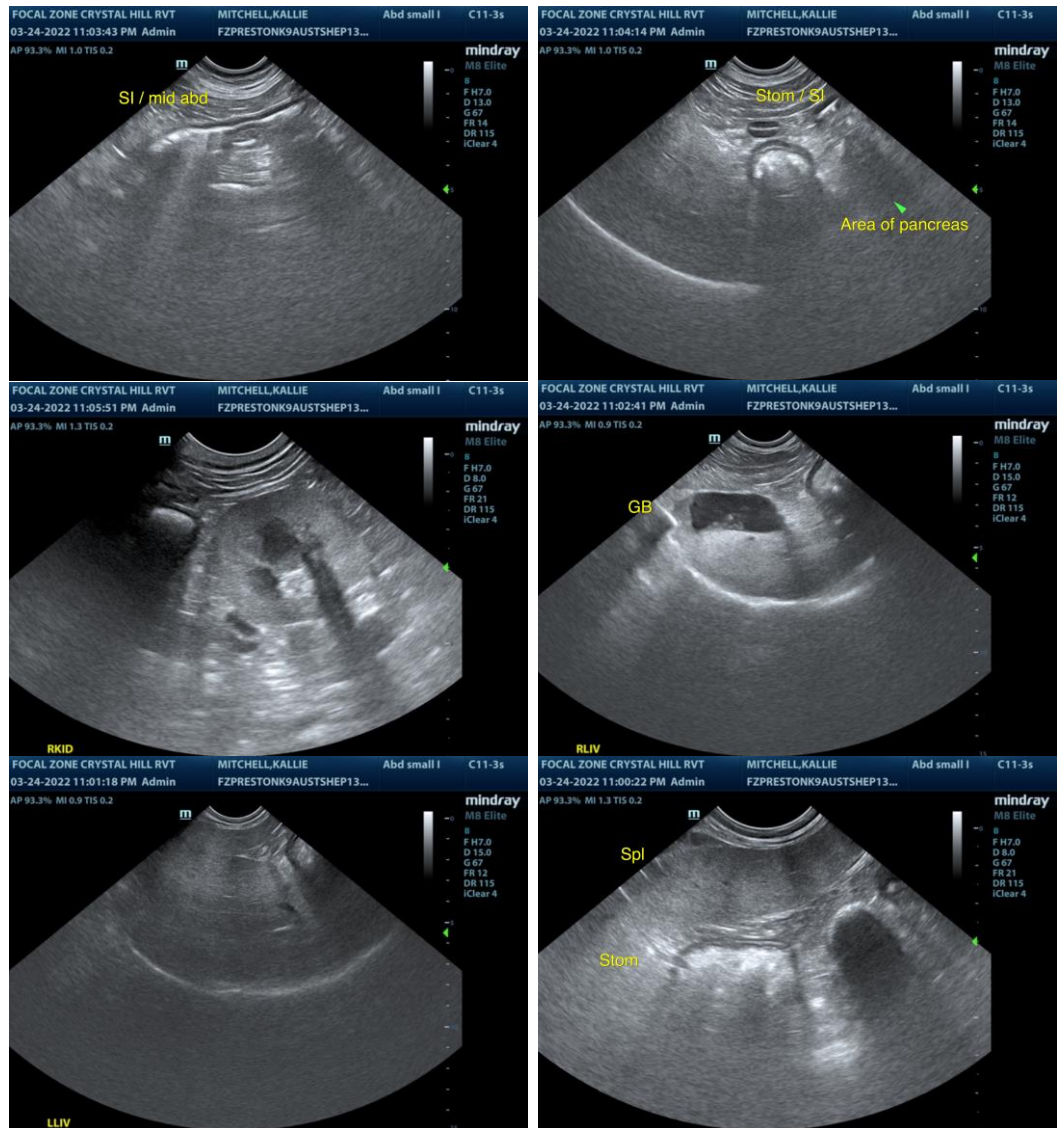
Dr. Coghlan

INVOICE

13552

DATE

3/24/22





PATIENT

Kallie Mitchell

SPECIES

Canine

BREED

Australian Shep

SEX

FS

AGE

13 years

WEIGHT

21.5 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Preston Animal Clinic

REFERRING VET

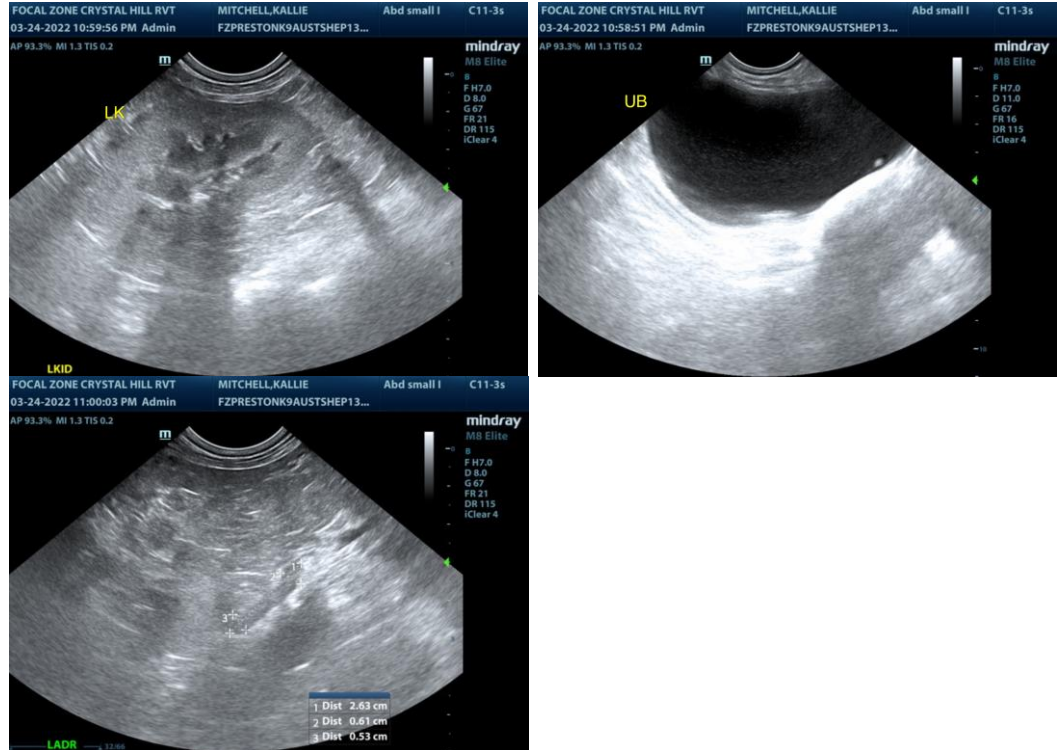
Dr. Coghlan

INVOICE

13552

DATE

3/24/22



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)
info@SonoPath.com