



PATIENT	PRESENTING CLINICAL SIGNS
Blue Dabal	Patient presents for elevated liver enzymes. Abnormal PE/Chem/CBC/UA Results: Alk. Phos. 255, glucose 50.
SPECIES	
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Pitbull Terrier	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 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.
SEX	
MN	The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 1.0 cm in diameter.
AGE	
10 years	The area of the aortic trifurcation was free of pathology.
WEIGHT	
-	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. Potential discreet to emerging hypoechoic nodule is possible in the medial right kidney measuring 2.0 cm in diameter. No evidence of pelvic dilation was present. The left kidney measured 6.9 cm in length. The right kidney measured 7.2 cm in length.
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.62 cm width at the caudal pole and 0.49 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.70 cm width at the caudal pole and 0.66 cm width at the cranial pole.
IMAGING PERFORMED BY	Spleen
Kelly Vazquez	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.
HOSPITAL NAME	Liver/ Gallbladder
Animal Paradise Hospital	The liver exhibited subjective mild 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 primarily anechoic luminal content. The cystic and common bile ducts were normal.
REFERRING VET	
Dr. Elshafie	
INVOICE	
13248	
DATE	
2/3/22	



PATIENT

Gastrointestinal

Blue Dabal

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.

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

Pitbull Terrier

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

SEX

MN

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

10 years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

-

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Benign hepatopathy
- Mild age-related renal changes with possible discreet to emerging right kidney nodule

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the liver was nonspecific yet consistent with benign, likely low-grade hepatopathy. Although not definitive, low-grade vacuolar hepatopathy with potential for mild cholestasis, given the ALP elevation, is possible. No evidence primary vs. metastatic hepatic neoplastic criteria was evident. Hepatosupportive medications including Denamarin +/- Ursodiol due to its antioxidant and immunomodulatory effects, as well as the potential for low-grade hepatic cholestasis, may prove beneficial.

HOSPITAL NAME

Animal Paradise
Hospital

The potential for discreet to emerging right kidney nodule is of unclear clinical significance. Sonographic monitoring of this nodule with an initial recheck in 4 weeks for further assessment or for evidence of progression is recommended. If persistent hypoglycemia (glucose levels <60), glucose and insulin assessment on same serum sample could be considered.

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SPECIES

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BREED

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SEX

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AGE

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WEIGHT

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IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Animal Paradise
Hospital

REFERRING VET

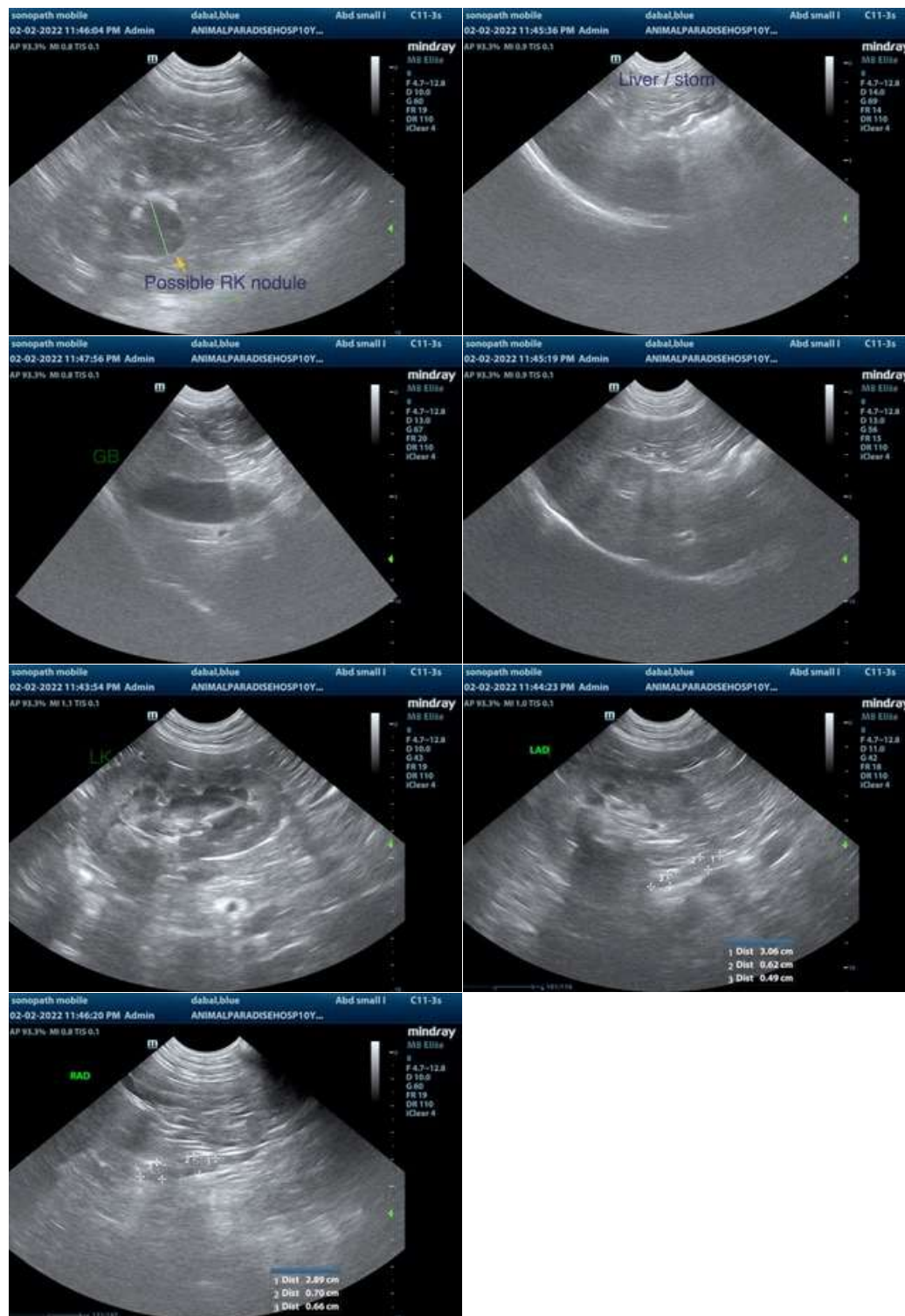
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

Blue Dabal

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.

SPECIES

Canine

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

BREED

Pitbull Terrier

SEX

MN

AGE

10 years

WEIGHT

-

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**IMAGING
PERFORMED BY**

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