



PATIENT	PRESENTING CLINICAL SIGNS
Jack Barracato	History: Patient with history of diabetes has lymphoma based on cytology of peripheral lymph nodes. Patient also has a grade 2-3/6 systolic heart murmur. Evaluating heart and staging. Current meds: Novulin - N 32 units BID, Flurbiprofen eye drops.
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	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.
Labrador Ret	SEX
	Normal size and margination was 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney exhibited a solitary thinly walled cyst measuring 2.5 cm in diameter. The left kidney measured 8.1 cm in length. The right kidney measured 8.1 cm in length.
	AGE
	12 yr
	The area of the aortic trifurcation was free of pathology.
WEIGHT	The residual prostate was normal measuring 0.84 cm in diameter.
102 lb	Adrenal Glands
INTERPRETED BY	The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.78 cm width in the cranial pole and 3.9 cm. The right adrenal gland measured 0.96 cm width in the cranial pole and 3.1 cm.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Spleen
IMAGING PERFORMED BY	The spleen exhibited mild parenchymal heterogeneity including multifocal pinpoint hyperechoic foci. 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.
Kelly Vazquez	Liver
HOSPITAL NAME	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.
Animal General on Hudson	REFERRING VET
REFERRING VET	The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild nondependent nonorganized debris. The cystic and common bile ducts were normal.
Dr. Tierney	Gastrointestinal
INVOICE	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.
10914ag	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.
DATE	
06/22/2022	



PATIENT

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

Jack Barracato

SPECIES

Pancreas

Canine

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.

BREED

Free Abdomen

Labrador Ret

Enlarged, hypoechoic medial iliac root lymph nodes were present. The lymph nodes exhibited symmetrical to rounded margination with abnormal width: length ratio (>0.5). The enlarged lymph nodes were bordered by echogenic to reactive mesentery. The medial iliac root lymph nodes measured 5.1 cm length and 3.6 cm width.

SEX

MN

No overt omental masses or peritoneal free fluid.

AGE

12 yr

Brief assessment of the thorax revealed hypoechoic to swollen thoracic nodule vs concurrent lymphadenopathy measuring 3.5 cm x 2.3 cm. No overt evidence of free pleural fluid.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

102 lb

- Bilateral chronic renal changes with left kidney cyst
- Mild hepatic parenchymal remodeling with generalized increased parenchyma echogenicity-subjectively benign
- Mild gallbladder debris-non mucocele
- Multifocal splenic parenchyma hyperechoic foci-multiple pinpoint areas of microinfarction, fibrosis or mineralization suspected, subjectively benign
- Hypoechoic to swollen medial iliac lymph nodes-consistent with neoplastic criteria
- Suspect concurrent thoracic lymphadenopathy vs pulmonary nodule

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Kelly Vazquez

An ultrasound guided FNA of an enlarged medial iliac lymph node +/- concurrent thoracic node for further assessment and staging is recommended. No obvious evidence of hepatosplenic or mesenteric lymphatic neoplastic criteria was observed.

HOSPITAL NAME

Animal General on
Hudson

REFERRING VET

Dr. Tierney

INVOICE

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SPECIES

Canine

BREED

Labrador Ret

SEX

MN

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REFERRING VET

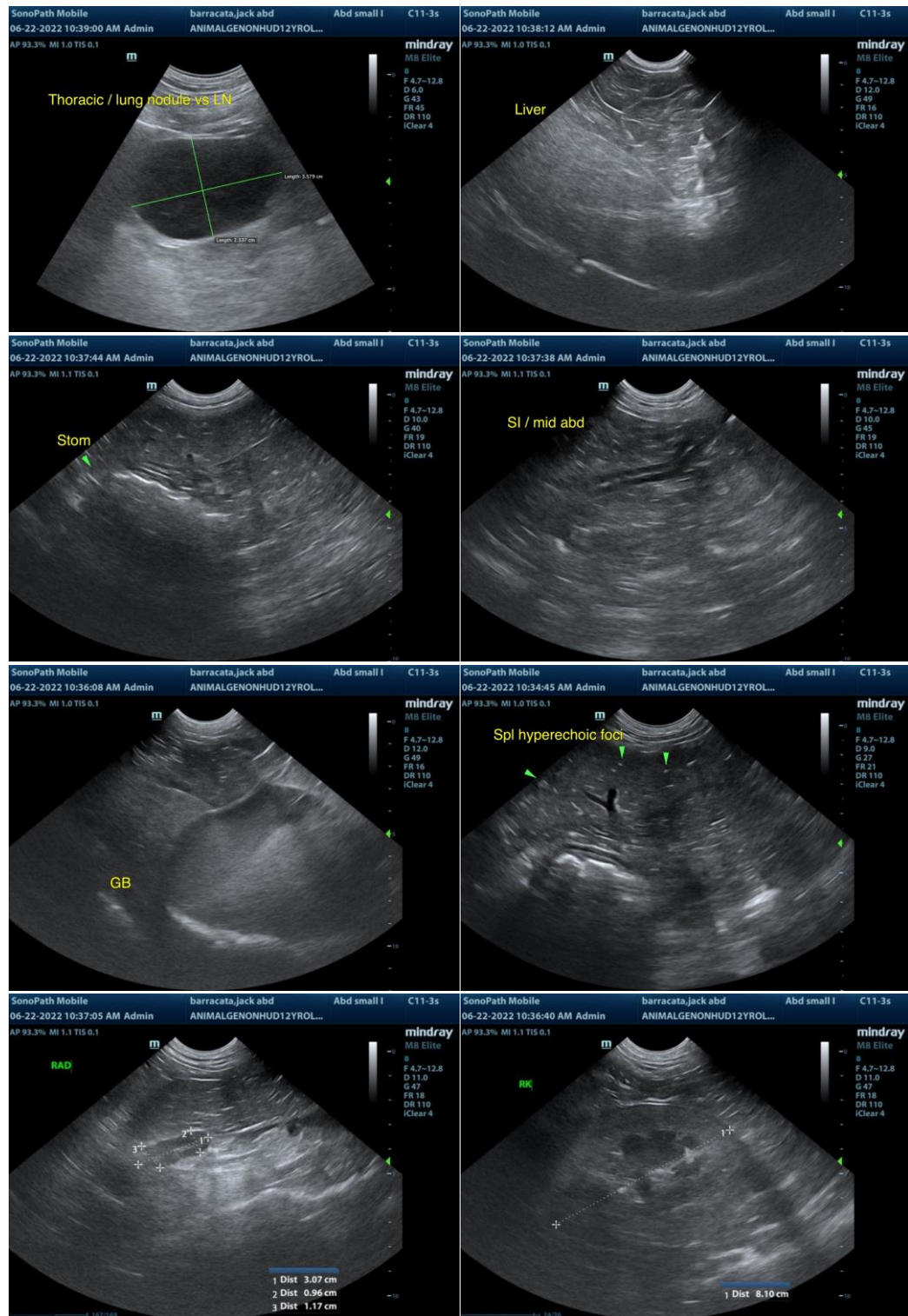
Dr. Tierney

INVOICE

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SPECIES

Canine

BREED

Labrador Ret

SEX

MN

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WEIGHT

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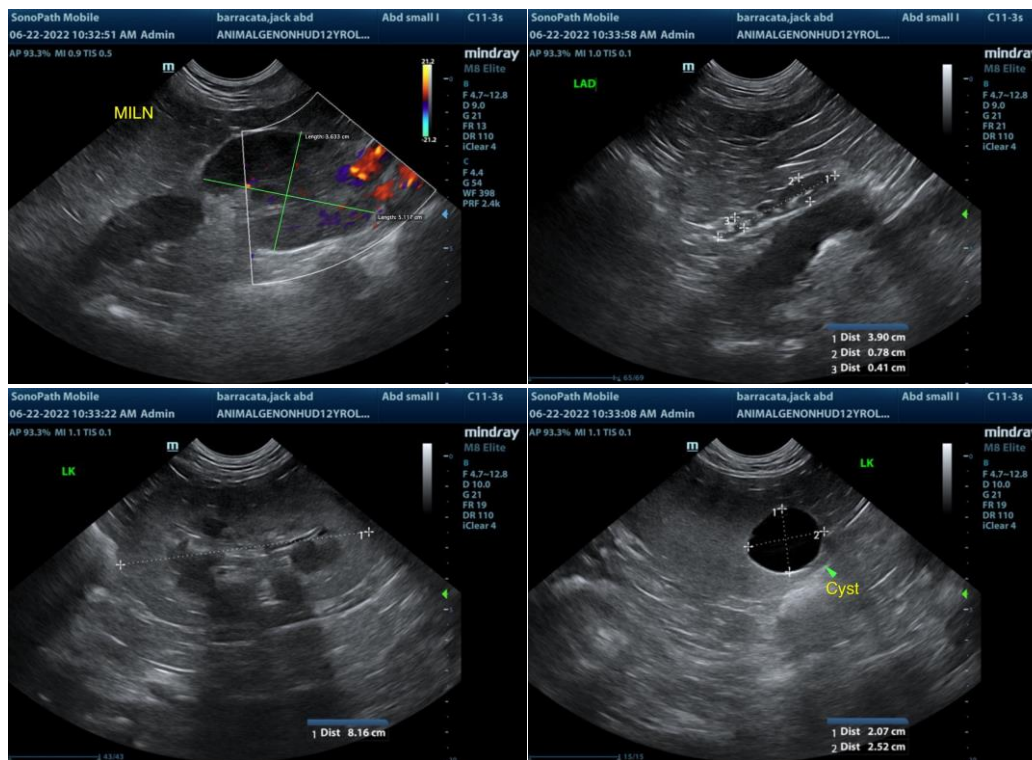
Dr. Tierney

INVOICE

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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)

info@SonoPath.com