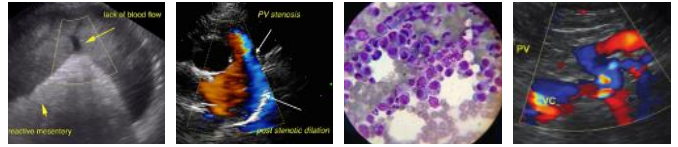
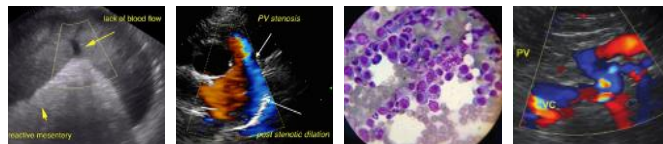


PATIENT	PRESENTING CLINICAL SIGNS
Angelica O'Neill	Dog presented not eating and some vomiting. Has been going on for 3 days. Bloodwork pending. Ultrasound done for further diagnostics
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
K9	<i>Urinary System</i>
BREED	The urinary bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. The apical urinary bladder wall thickness measured 1.0 cm width. Mineralization or echogenic foci within the thickened areas of urinary bladder wall was not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal 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.
Golden Retriever	
SEX	No evidence of pathology in the area of the aortic trifurcation.
FS	
AGE	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 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 6.9 cm in length. The right kidney measured 7.4 cm in length.
107r	
WEIGHT	<i>Adrenal Glands</i>
91.5lbs	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.0 cm width at the caudal pole and 0.51 cm width at the cranial pole. A well-defined, hyperechoic nodule was present in the caudal left adrenal gland with mild associated symmetrical capsule expansion. The nodule did not exhibit signs of mineralization or vascular invasion. The nodule measured 1.3 x 0.82 cm.
INTERPRETED BY	The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.9 cm width at the caudal pole and 1.4 cm width at the cranial pole. A well-defined, hyperechoic nodule was present in the cranial pole of the right adrenal gland with mild associated symmetrical capsule expansion. The nodule did not exhibit signs of mineralization or vascular invasion. The nodule measured 1.2 x 0.76 cm in diameter.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
IMAGING PERFORMED BY	<i>Spleen</i>
Dr. Leal	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.
HOSPITAL NAME	<i>Liver / Gallbladder</i>
Blairstown Animal Hospital	The liver exhibited subjective generalized enlargement. Multiple variably sized nonhomogeneous macro-nodules to small masses were present. An example of a macro-nodule measured 1.6 cm diameter. An example of a small mass measured 4.6 cm diameter. Generalized hepatic parenchymal remodeling and areas of asymmetrical hepatic capsule contour were noted. 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.
REFERRING VET	
Dr. Leal	
INVOICE	
50410	
DATE	<i>Gastrointestinal</i>
2-18-22	



PATIENT	The stomach revealed regional markedly thickened walls exhibiting nonhomogeneous mural echogenicity and loss of discernible wall layering. Associated mild retained gastric fluid consistent with mild gastric paralytic ileus was present. The gastric body wall measured up to 3.8 cm width. Concurrent ill-defined mass noted primarily caudal to the stomach exhibiting hypoechoic parenchyma, asymmetrical margination, and surrounding perigastric and regional mesentery.
Angelica O'Neill	
SPECIES	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.
K9	
BREED	Normal visible colon wall layers were present with apparent formed feces in lumen.
Golden Retriever	
SEX	<i>Pancreas</i>
FS	The pancreas was ill visualized owing to regionally thickened stomach, unspecified mass caudal to the stomach, as well as peripancreatic increased omental artifact.
AGE	<i>Free Abdomen</i>
107r	Small pockets of scant free fluid were present.
WEIGHT	No overt lymphadenopathy was present.
91.5lbs	
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Primary
IMAGING PERFORMED BY	<ul style="list-style-type: none"> Gastric mass with concurrent perigastric mesenteric infiltrative mass, possible pancreatic involvement. Multifocal hepatic intraparenchymal macro nodules to small masses.
Dr. Leal	Secondary
HOSPITAL NAME	<ul style="list-style-type: none"> Bilateral mild chronic renal changes. Cystitis pattern. Bilateral nonspecific adrenal nodules - functional versus nonfunctional adenoma, hyperplasia, primary versus metastatic neoplasia possible.
Blairstown Animal Hospital	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
REFERRING VET	Unfortunately, sonographic findings are consistent with multicentric neoplasia involving the stomach, surrounding perigastric omentum, with likely metastatic disease to the liver and potentially to the bilateral adrenal glands. This case does not appear to be surgical.
Dr. Leal	Further assessment may include ultrasound guided FNA of the stomach, mesenteric mass, +/- hepatic nodules for cytology +/- oncology consult. However, unfortunately, an unfavorable prognosis is indicated.
INVOICE	
50410	
DATE	
2-18-22	



PATIENT

Angelica O'Neill

SPECIES

K9

BREED

Golden Retriever

SEX

FS

AGE

107r

WEIGHT

91.5lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Leal

HOSPITAL NAME

Blirstown Animal
Hospital

REFERRING VET

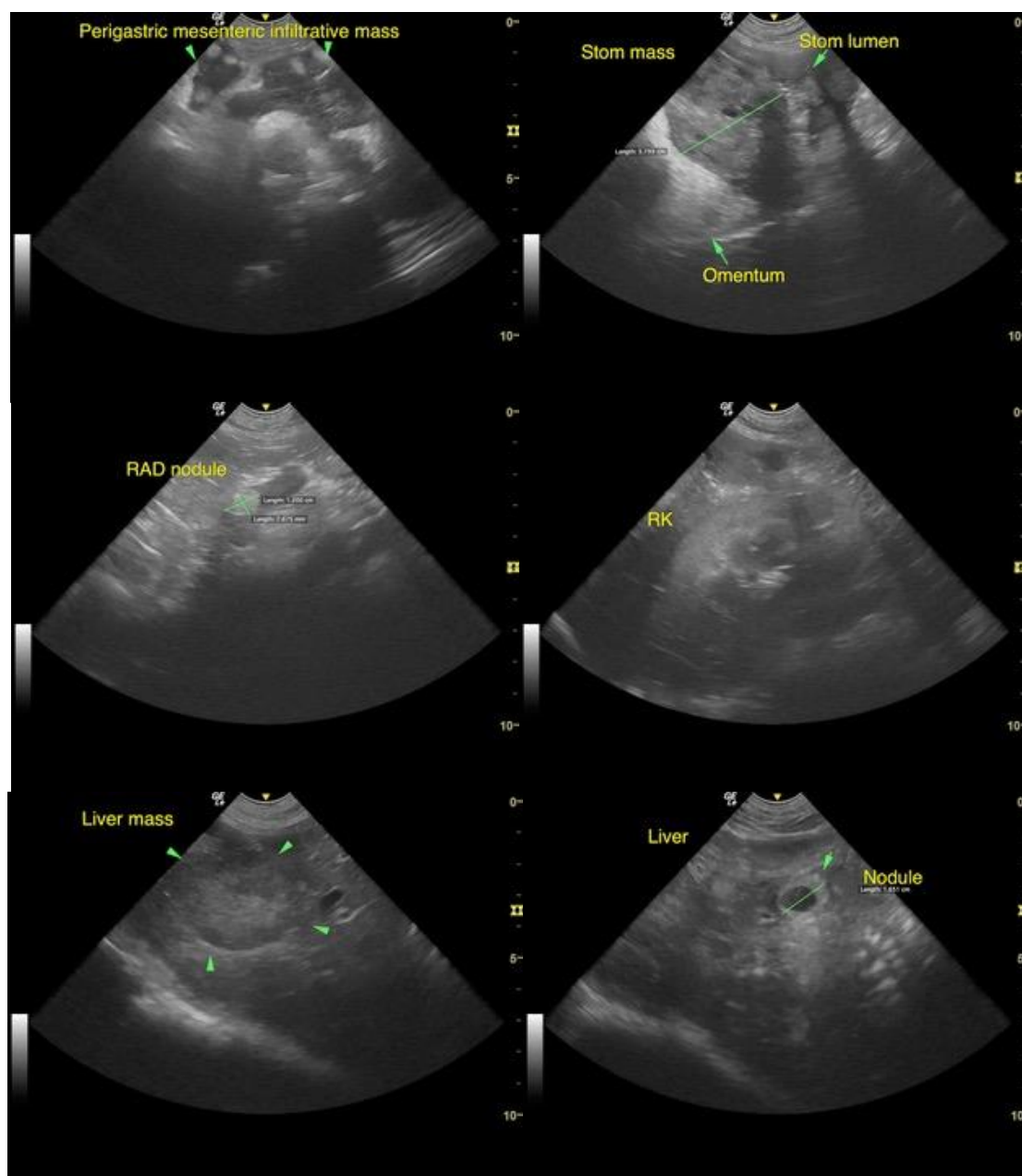
Dr. Leal

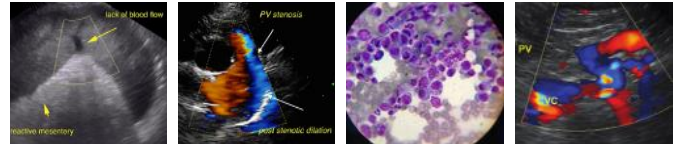
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DATE

2-18-22





PATIENT

Angelica O'Neill

SPECIES

K9

BREED

Golden Retriever

SEX

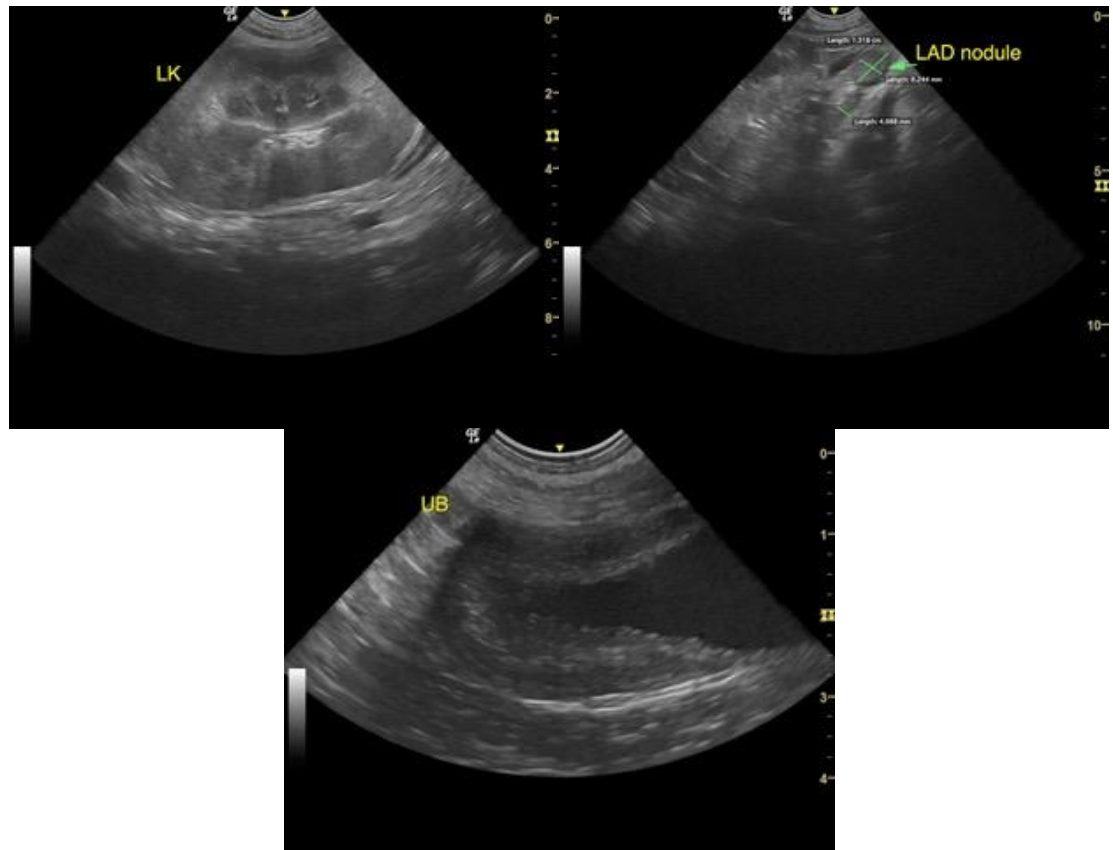
FS

AGE

107r

WEIGHT

91.5lbs



INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Leal

HOSPITAL NAME

Blairstown Animal
Hospital

REFERRING VET

Dr. Leal

INVOICE

50410

DATE

2-18-22

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