



PATIENT	PRESENTING CLINICAL SIGNS
Luna Gonzalez	1 yo FS DSH, history of chronic vomiting. Blood work-NSF. Fecal-negative, Empirically dewormed with Drontal Plus.
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Feline	Urinary System
BREED	The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.
DSH	The right kidney is normal in size (3.49 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
SEX	The left kidney is normal in size (3.6 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
Spayed Female	Adrenal Glands
AGE	The area of the adrenal glands is examined without evident pathology.
1 Year	Spleen
WEIGHT	The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.
11.2 Pounds	Liver
INTERPRETED BY	The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.
Beth Johnson, DVM DACVIM	Gastrointestinal
IMAGING PERFORMED BY	The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.
Dr. Elaina Petrone	Gastrointestinal
HOSPITAL NAME	The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.
Long Branch AH	Gastrointestinal
REFERRING VET	The visible small intestine demonstrates areas of thick muscularis layer relative to mucosa (disruption of the normal 1:3 muscularis:mucosa ratio). Small intestinal submucosa is slightly irregular, thick and hyperechoic, without evident loss of layering appreciated. The lumen is empty with no evidence of obstruction or foreign material.
Dr. Elaina Petrone	Gastrointestinal
INVOICE	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
42785	
DATE	
11/15/22	



PATIENT

Pancreas

Luna Gonzalez

The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

SPECIES

Feline

Free Abdomen

There is no evidence of free peritoneal effusion noted in these images.

BREED

DSH

Mesenteric lymph nodes are enlarged with swollen irregular capsular contour and loss of normal length to width ratio (rounded in shape). Nodes are hypoechoic with loss of normal parenchymal detail.

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

- **Inflammatory bowel disease (IBD) pattern** – Thick muscularis has been reported with infiltrative bowel disease including both benign inflammatory disease as well as infiltrative neoplasia such as lymphoma. No aggressive lymphadenopathy, loss of layering, etc. is noted to make lymphoma more probable, but lymphoma cannot be definitively ruled out without tissue sampling.

AGE

1 Year

- **Mesenteric lymphadenopathy** – This can be seen with infiltrative round cell or metastatic neoplasia. However, a benign inflammatory response can mimic the change and cannot be ruled out without tissue sampling.

WEIGHT

11.2 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

A fine needle aspirate of the mesenteric lymph nodes is recommended if patient's coagulation status is appropriate.

IMAGING PERFORMED BY

Dr. Elaina Petrone

In the meantime, empirical therapeutic recommendations include the reportedly already treated empirical deworming, as well as a transition to a hydrolyzed protein diet based on trial-and-error response, with understanding that patients sometimes respond to one bran of hydrolyzed food better than another.

HOSPITAL NAME

Long Branch AH

If this patient does not respond to/improve with diet change alone, biopsies of the GI tract, being sure to include ileum, if possible, are strongly recommended to definitively diagnose and therefore manage the infiltrative bowel disease.

REFERRING VET

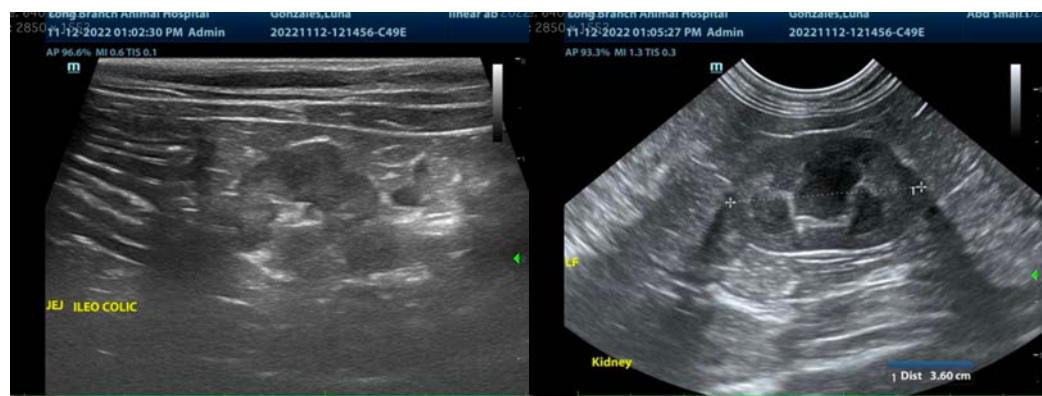
Dr. Elaina Petrone

INVOICE

42785

DATE

11/15/22





PATIENT

Luna Gonzalez

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

1 Year

WEIGHT

11.2 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Elaina Petrone

HOSPITAL NAME

Long Branch AH

REFERRING VET

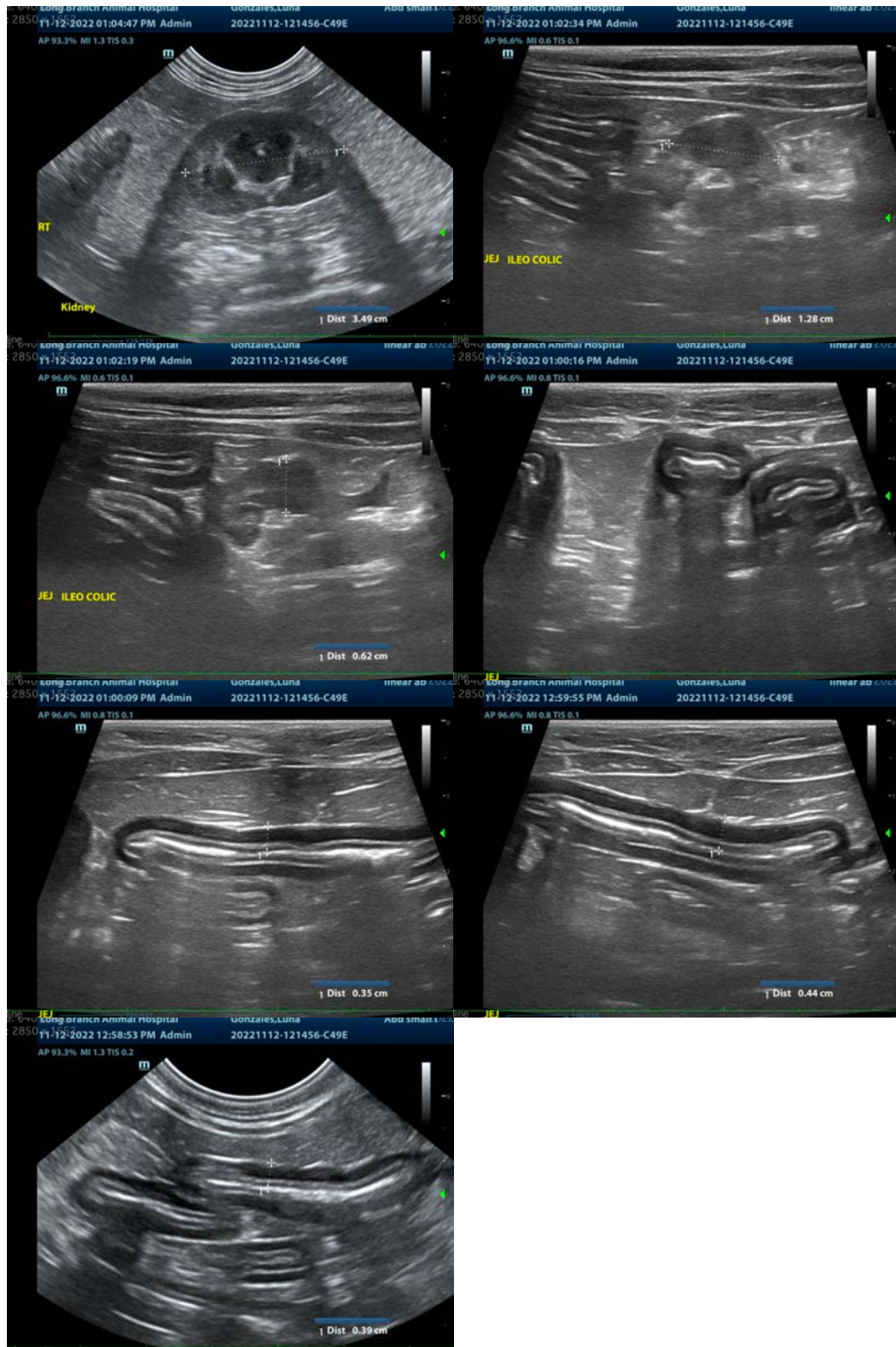
Dr. Elaina Petrone

INVOICE

42785

DATE

11/15/22





PATIENT

Luna Gonzalez

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.

SPECIES

Feline

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.

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com

BREED

DSH

SEX

Spayed Female

AGE

1 Year

WEIGHT

11.2 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Elaina Petrone

HOSPITAL NAME

Long Branch AH

REFERRING VET

Dr. Elaina Petrone

INVOICE

42785

DATE

11/15/22