

PATIENT PRESENTING CLINICAL SIGNS

Patches Larsen
Sedation dex/torb-Intermittent soft stool since Sunday and prior to this P would scoot and rub bottom on rug since December. P has a sensitive stomach and changing to z/d diet has resolved vomiting. P is eating and drinking well. Normal activity level.

SPECIES

Feline
Abnormal PE/Chem/CBC/UA Results: Labs performed in October showed leukocytosis 17,400 with elevated leukocytes 8874 (1200-8000), normal chemistry, thyroid level 2.3, wnl, UA: usg 1.076. No radiographs have been performed. No weight loss has been noted.

BREED

DSH

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

Spayed Female
The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, or masses. There is a very small pile of hyperechoic debris in the dependent portion of the urinary bladder most consistent with a small amount of sandy debris.

AGE

3y

The left kidney has a normal shape and size (4.29cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

15 Pounds

The right kidney has a normal shape and size(4.43cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

Adrenal Glands

IMAGING PERFORMED BY

Loetitia Saint-Jacques,
LVT

The left adrenal gland is normal in size measuring 0.45 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

HOSPITAL NAME

Desert Hills Animal
Hospital

The right adrenal gland is normal in size measuring 0.45 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

REFERRING VET

Dr. Michelle Caldwell

Spleen

The spleen is subjectively large in size (1cm). The spleen echotexture is heterogenous and mottled, the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

INVOICE

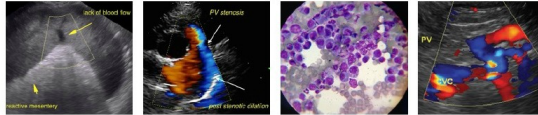
10048

Liver

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

DATE

2/3/2023



PATIENT

Patches Larsen

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.

SPECIES

Gastrointestinal

Feline

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.36cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

BREED

DSH

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The jejunum measured as normal (0.3cm). Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

SEX

Spayed Female

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering. Descending colon measures at 0.19cm.

AGE

3y

WEIGHT

15 Pounds

Pancreas

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

Free Abdomen

Evaluation of the peritoneal cavity did not reveal any evidence of effusion. There are numerous mildly hyperechoic, generally normally shaped lymph nodes in the abdomen. A mesenteric lymph node is visualized measuring 0.74cm in diameter. The pancreaticoduodenal lymph node measures 0.58cm and the right and left sub lumbar lymph nodes measure 0.56 and 1.24cm respectively. The omentum is of normal uniform echogenicity.

IMAGING PERFORMED BY

Loetitia Saint-Jacques,
LVT

ULTRASONOGRAPHIC FINDINGS

- Small amount of dependent sandy debris in the urinary bladder.
- Borderline large, mottled spleen – This could be normal for a large cat like this. The diffuse splenic changes are non-specific and could be consistent with lymphoid hyperplasia, extramedullary hematopoiesis, infiltrative neoplasia, inflammation, other. Cytology or histopathology would be necessary to get a definitive diagnosis.
- Prominent mesenteric lymph nodes - The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.

HOSPITAL NAME

Desert Hills Animal
Hospital

REFERRING VET

Dr. Michelle Caldwell

INVOICE

10048

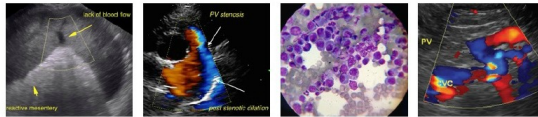
DATE

2/3/2023

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There's a small amount of dependent sandy debris in the urinary bladder. This is likely small enough to pass. Continued monitoring is warranted along with a urinalysis and culture.

The spleen appears slightly mottled and as large, although this is a large cat, so this is likely within normal limits. If round cell neoplasia is high on your differentials list, consider a fine needle aspirate.



PATIENT

Patches Larsen

There's a diffuse mild mesenteric lymphadenopathy. Most of these lymph nodes appear somewhat reactive, although the sub lumbar lymph nodes are hypoechoic and more round. Recommended digital rectal exam looking to evaluate the anal glands, distal rectum, etc.

SPECIES

Feline

No focal lesions are visualized associated with the small intestine to explain the diarrhea reported. Unfortunately, there are many causes for diarrhea which cannot be diagnosed by ultrasound alone.

BREED

DSH

Consider such differentials as food allergy/dietary intolerance, GI parasitism, pancreatitis, dysbiosis, recurrent dietary indiscretion, IBD and less likely neoplasia, etc....

SEX

Spayed Female

- Consider a novel protein/hydrolyzed protein diet (exclusively at least 4-6 weeks).
- Consider a GI panel to Texas A&M for evaluation of B12 levels, folate, PLI/TLI etc... to further evaluate for pancreatic/small intestinal disease.
- Recommend chronic probiotic therapy.
- Recommend parasite screening and empirical deworming.
- If symptoms persist, consider repeat ultrasound to evaluate the abdominal lymph nodes and possibly obtaining GI biopsies.

AGE

3y

WEIGHT

15 Pounds

If an anesthetic procedure is considered, recommend three view thoracic radiographs.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Desert Hills Animal
Hospital

REFERRING VET

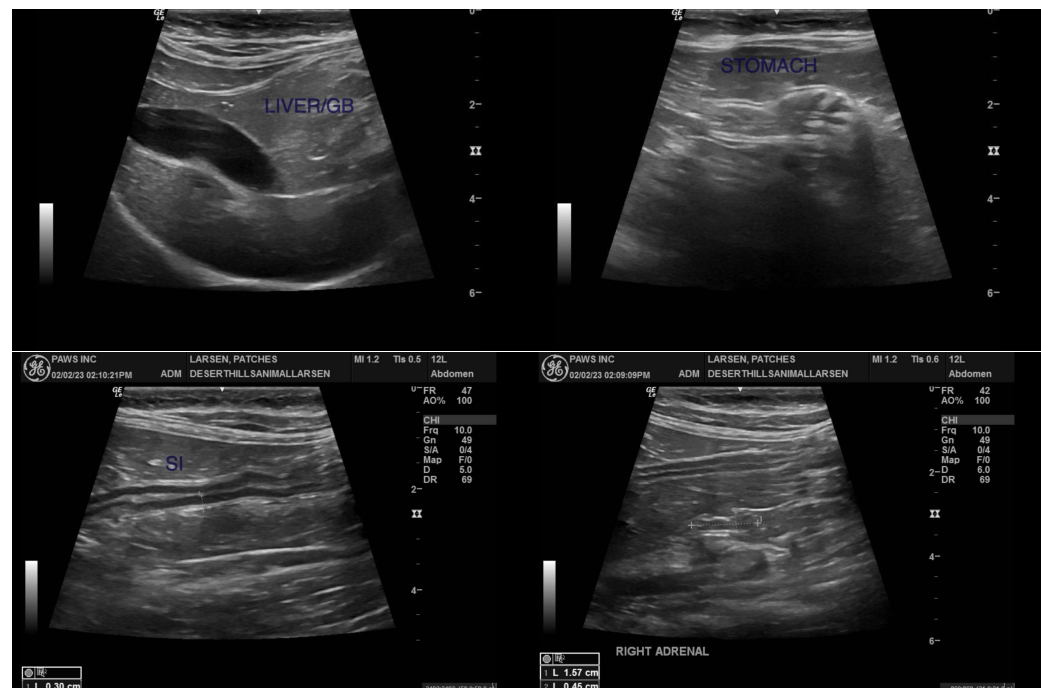
Dr. Michelle Caldwell

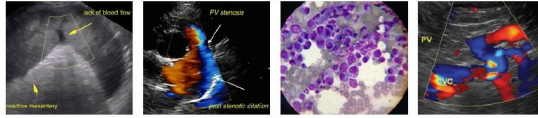
INVOICE

10048

DATE

2/3/2023





PATIENT

Patches Larsen

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

3y

WEIGHT

15 Pounds

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Desert Hills Animal
Hospital

REFERRING VET

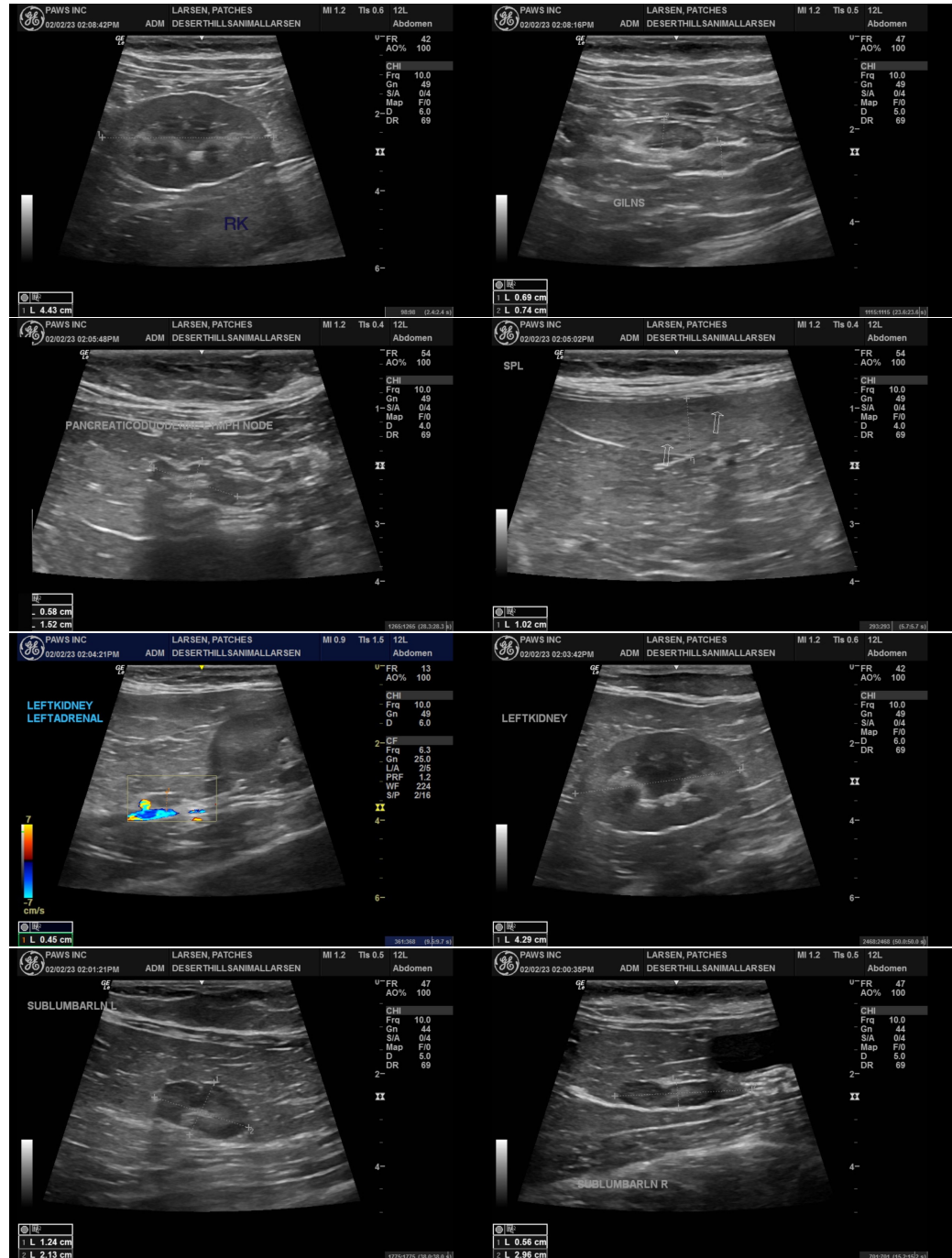
Dr. Michelle Caldwell

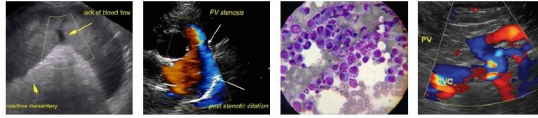
INVOICE

10048

DATE

2/3/2023





PATIENT

Patches Larsen

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

3y

WEIGHT

15 Pounds



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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Desert Hills Animal
Hospital

REFERRING VET

Dr. Michelle Caldwell

INVOICE

10048

DATE

2/3/2023