

**PATIENT**

Kaia Sloan 48511A

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Female Spayed

AGE

11 Years

WEIGHT

7.94kg

INTERPRETED BYSebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging**IMAGING
PERFORMED BY**

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VETMadison Veterinary
Specialists-Dr.
Custead**INVOICE**

50225

DATE

2-9-22

PRESENTING CLINICAL SIGNS

Kaia presented for further evaluation of intestinal mass. Staring approximately 2 months ago Kaia experienced some extreme itchiness in her hind area, she was constantly chewing to the point of pulling chunks of hair out. She presented to pcDVM for a cortisone injection which resolved her itchiness. However, almost a week later Kaia began producing dark stool and vomiting undigested food so she presented back to her pcDVM on 12/21/21. A fecal was ran which showed no parasites so 2mL twice daily of Reglan was prescribed as well as Ondansetron. Kaia returned to pcDVM on 12/25/21 for a changes in her urination so a urinalysis was performed, revealing low specific gravity (1.012), high pH (8.5) trace protein, high WBC (4-10/HPF), high RBC (4-10/HPF) and high rods (26-50), she was prescribed amoxicillin to treat for a UTI. Kaia continued to produce dark stool so she presented for radiographs and bloodwork. On her chemistry she had high total protein (7.7 g/dL), high ALP (648 IU/L), calcium (11.7 mg/dL) and her CBC showed a high platelet count (558). Kaia had a single radiograph taken which was within normal limits and it was suspected that she had irritable bowl syndrome. On 2/4/22 an ultrasound was performed, revealing a mass within the intestines.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary system**

The urinary bladder presents a diffusely and mildly thickened wall with an irregular inner outline and a moderate amount of hyperechoic sediment and corpuscular urine. Trigone and pelvic urethra present normal findings. Obstruction is not recognized. Wall layering is intact on all views. Ureters are not visualized and considered to be normal.

Both kidneys show multiple small cortical cysts. The renal cortex appears mildly heterogenous and coarse. The corticomedullary transition is fuzzy. Renal pelvises and exits to the ureters are unremarkable.

Adrenal glands

Both present normal size, shape and echogenic texture.

Spleen

The spleen shows transverse diameters of 1.13 cm. Splenic margins are mildly rounded. Additional to that hyperechoic, perihilar infiltrates are recognized with prominent calcification of the capsule. Splenic vasculature presents normal course of vessels and unremarkable perfusion of the splenic veins. There are no signs of nodular/focal changes noted.

Liver/Gallbladder

Liver echogenic texture appears diffusely hyperechoic and is inhomogeneous. The gallbladder is mildly filled without signs of relevant sludge, a florid process or cholestasis.

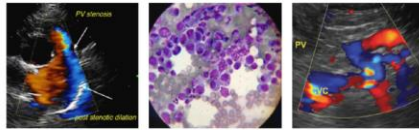
Gastrointestinal

The cranial section of the duodenum presents an asymmetric, hypoechoic mass lesion with loss of the wall layering. Maximum diameters measure 2.06 x 1.56 cm. Obstruction is not obvious although the intestinal lumen is reduced. The stomach subjectively has a mildly thickened wall. The small intestine and colon present intact wall layers being normal in width and echogenicity apart from that. Adjacent mesentery and fat tissue are of normal appearance. The mesenteric, epigastric and portal lymph nodes are considered to be normal.

Pancreas

IMAGING PERFORMED BY

SVS Mobile Imaging CT 262-366-5970
fredgromalak@gmail.com



PATIENT

Kaia Sloan 48511A

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Female Spayed

AGE

11 Years

WEIGHT

7.94kg

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Madison Veterinary
Specialists-Dr.
Custead

INVOICE

50225

DATE

2-9-22

All pancreatic parts displayed show isoechoic echogenicity to the surrounding omental fat. Signs of inflammatory changes or focal lesions are missing.

Free Abdomen

There is no evidence of peritoneal or retroperitoneal effusion noted. The para-aortal and medial iliac lymph nodes are considered to be normal. The abdominal fat and great vessels show no pathological findings.

ULTRASONOGRAPHIC FINDINGS

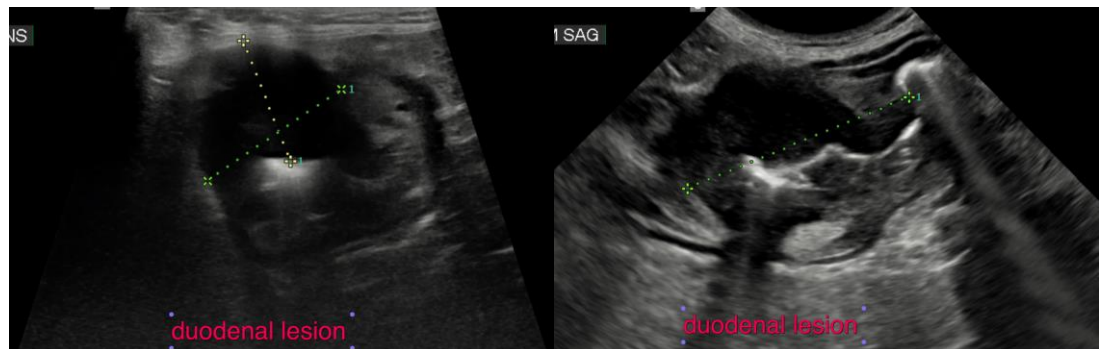
- Duodenal mass
- Inhomogeneous liver
- Chronic splenic disease and mild unspecific splenomegaly
- Signs of cystitis with hyperechoic sediment
- Signs of a moderate and chronic nephropathy (age- and breed-appropriate) with multiple cortical cysts

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasonographic findings of the duodenum do match with the reported melena and are highly suspicious for malignant neoplasia. The loss of the wall layering, and the asymmetric, hypoechoic mass would go along with that assumption. Common differentials are adenocarcinoma and lymphoma. Intestinal ulcer can look similar and mimic neoplasia. This would be a potential differential diagnosis especially after cortisone therapy. Overt signs of abdominal metastatic spread are missing. Ultrasound-guided FNA/biopsy and/or resection could be performed next.

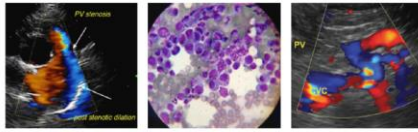
Splenomegaly is an unspecific finding and commonly is secondary to systemic inflammatory/infectious disease/immune stimulation/anemia. Calcifications of the capsule and the perivascular infiltrates are common degenerative findings without clinical relevance.

Ultrasonographic findings of the liver speak for a chronic liver disease such as chronic hepatitis, vacuolar liver disease and/or fatty infiltration since there are no signs of nodular or focal changes that are suspicious for neoplasia. Their clinical relevance remains questionable. Ultrasound is not straight forward here, but I would rule out neoplasia.



IMAGING PERFORMED BY

SVS Mobile Imaging CT 262-366-5970
fredgromalak@gmail.com



Clinical Sonography & Telemetry

EDUCATIONAL TELECONSULTATION SERVICES™

1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Kaia Sloan 48511A

SPECIES

Canine

BREED

Chihuahua Mix

SEX

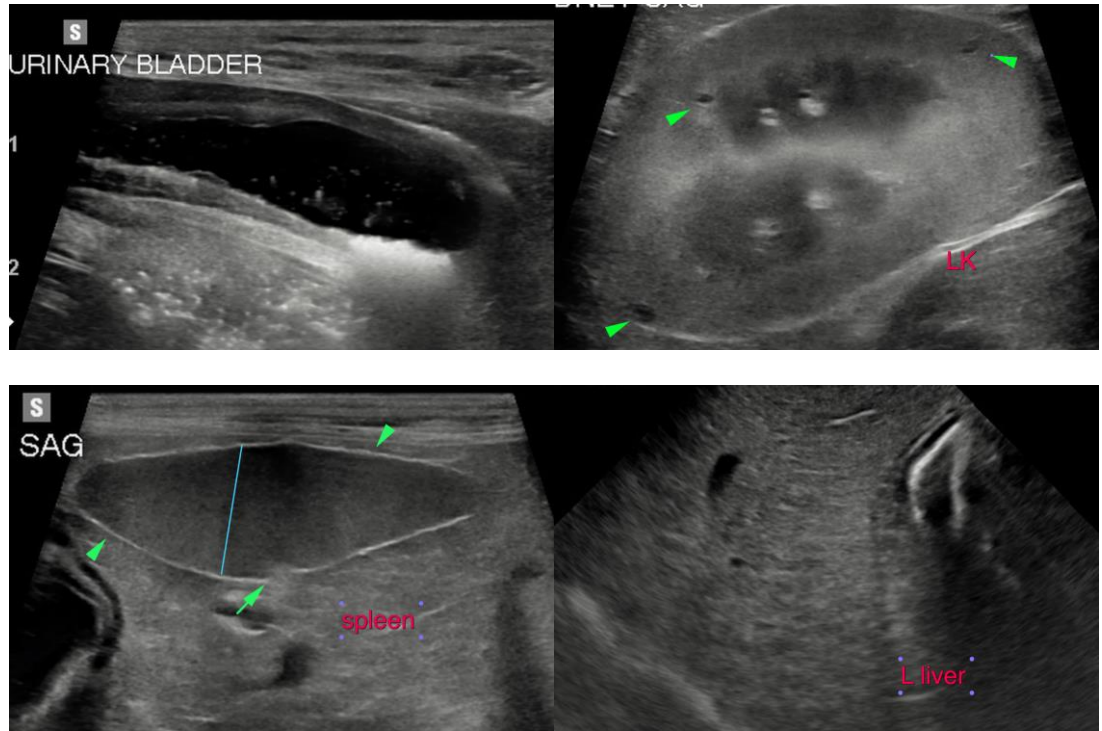
Female Spayed

AGE

11 Years

WEIGHT

7.94kg



INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Madison Veterinary
Specialists-Dr.
Custead

INVOICE

50225

DATE

2-9-22

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.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging

Sebastian.Jawinski@sonopath.com