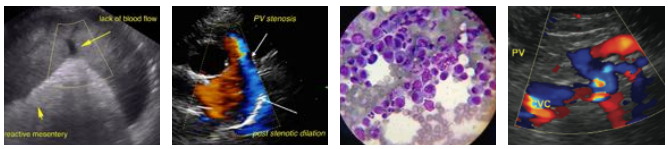
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
SonoPath.com™
1-800-838-4268 info@sonopath.com



PATIENT

Maddie Bernes

SPECIES

Canine

BREED

Chihuahua

SEX

Intact female

AGE

11 ½ years

WEIGHT

4.8 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosen

HOSPITAL NAME

South Bellmore VG

REFERRING VET

Dr. Rosen

INVOICE

42959

DATE

2/24/23

PRESENTING CLINICAL SIGNS

History: diarrhea started last night, had another bout last month, sometimes gets it on and off, last night didnt want to eat which is very unlike her, licked at baby food this morning but again didn't really want to eat, no discharge from her vulva, last heat cycle owner recounts is 4-5 months ago
Abnormal PE/Chem/CBC/UA Results: ALT 302 (last month 198) hemoconcentration today, hct 61.6% mild skin tent, otherwise appears BAR, no fever, normal TPR missing most teeth (had previous extractions)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 3.1 cm. The right kidney measured 3.2 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.4 cm at the cranial pole and 0.4 cm at the caudal pole. The right adrenal gland measured 0.62 cm at the cranial pole and 0.5 cm at the caudal pole.

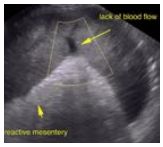
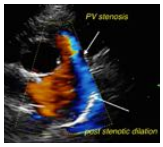
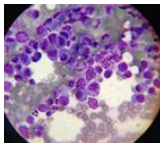
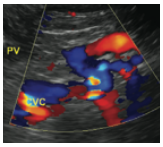
Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** revealed increased portal markings and coarse architecture. The liver was normal in size and vascularity. The gallbladder and common bile duct were unremarkable. .

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™

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

PATIENT

Maddie Bernes

SPECIES

Canine

BREED

Chihuahua

SEX

Intact female

AGE

11 ½ years

WEIGHT

4.8 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosen

HOSPITAL NAME

South Bellmore VG

REFERRING VET

Dr. Rosen

INVOICE

42959

DATE

2/24/23

Gastrointestinal

The stomach revealed slight pyloric hypertrophy and minor fluid filled lumen. Excessive GI gas was present. This is consistent with chronic gastritis. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

ULTRASONOGRAPHIC FINDINGS

Structurally unremarkable abdomen.

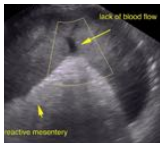
Minor hepatic remodeling.

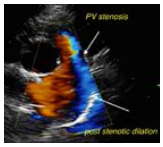
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

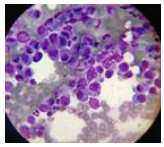
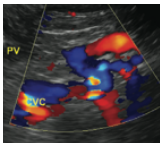
There was no evidence of pathology. CBC path review is indicated. The gastrointestinal tract was imaged to the level of the gastroesophageal inlet and there was no evidence of pathology. Fecal exam and clinical trial of the following may prove fruitful. Diet change is recommended along with canned b.i.d. feeding given that kibble may be irritative to the minor pyloric changes noted.

Helicobacter/Gastritis protocol
A clinical trial of **Zithromax (*Dogs:*** 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment)**, Metronidazole** (10-20 mg/kg p.o. b.i.d.), **Pepcid** (0.5-1 mg/kg s.i.d.) and **Sucralfate** (0.5-2 g/dog PO) or **Omeprazole** (1 mg/kg p.o. s.i.d.) over the next 3 weeks along with a **novel-protein or hydrolyzed diet** with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™





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

PATIENT

Maddie Bernes

SPECIES

Canine

BREED

Chihuahua

SEX

Intact female

AGE

11 ½ years

WEIGHT

4.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosen

HOSPITAL NAME

South Bellmore VG

REFERRING VET

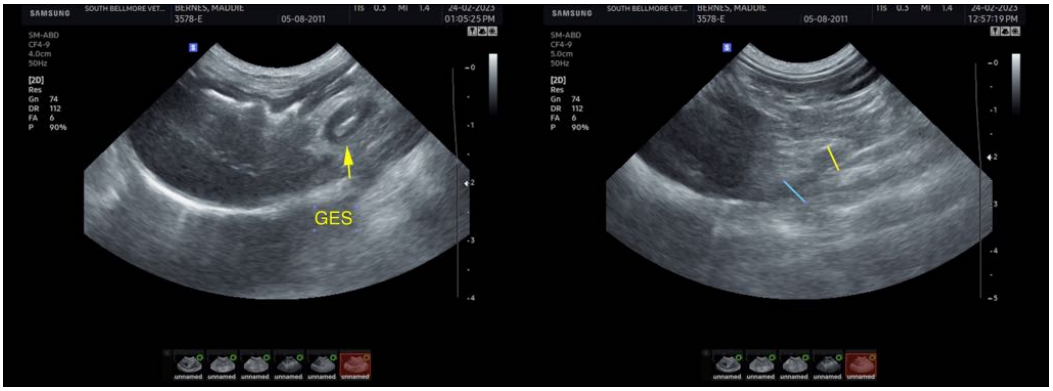
Dr. Rosen

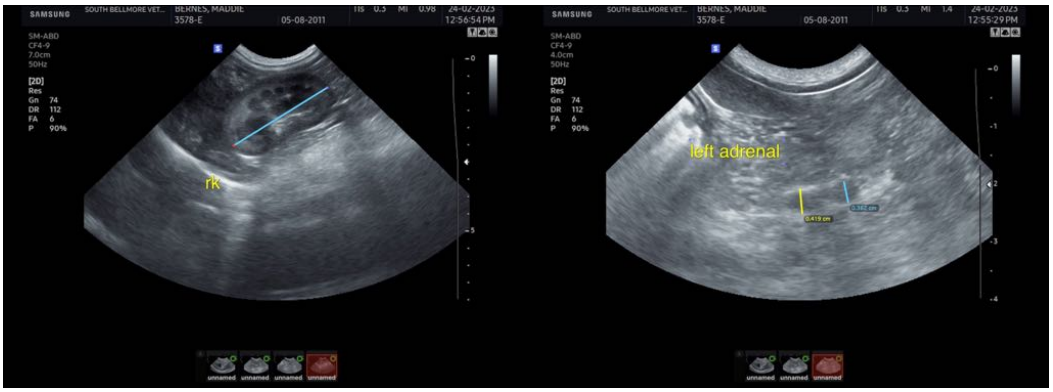
INVOICE

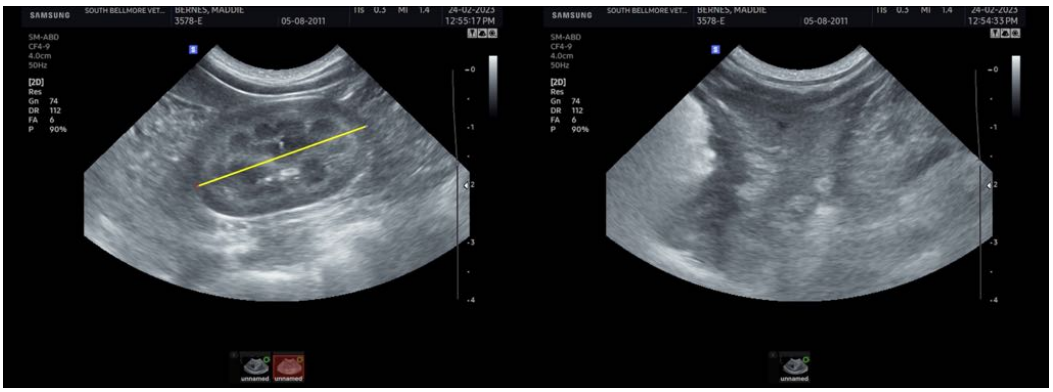
42959

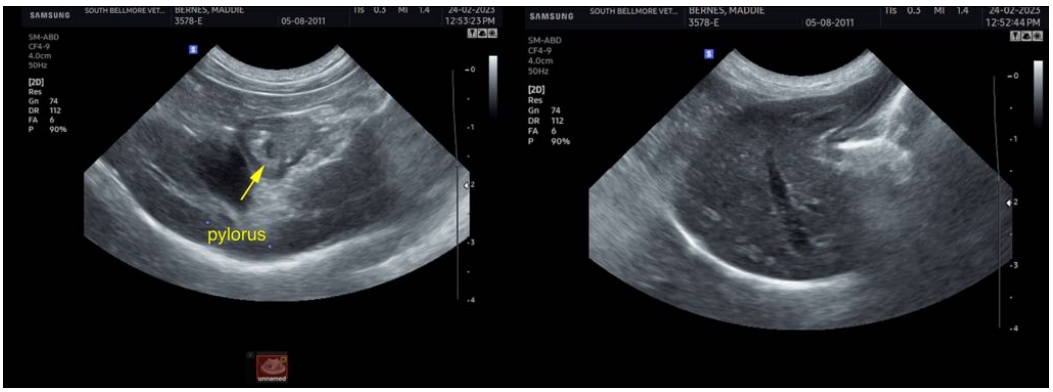
DATE

2/24/23

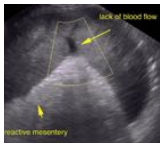


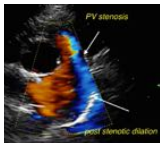


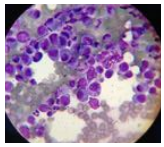
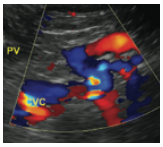




SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™





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

PATIENT

Maddie Bernes

SPECIES

Canine

BREED

Chihuahua

SEX

Intact female

AGE

11 ½ years

WEIGHT

4.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosen

HOSPITAL NAME

South Bellmore VG

REFERRING VET

Dr. Rosen

INVOICE

42959

DATE

2/24/23

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com