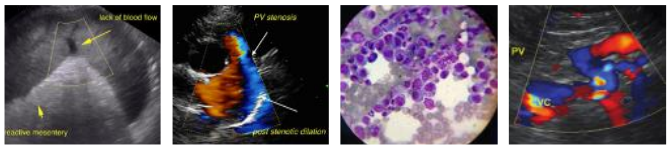
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™




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

**PATIENT**

Milo Davenport

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

13

**WEIGHT**

13.42

**INTERPRETED BY**

Eric Lindquist, DMV DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kristin Velasco

**HOSPITAL NAME**

Bethany Family PC

**REFERRING VET**

Kristin Velasco

**INVOICE**

22330

**DATE**

5/5/23

## PRESENTING CLINICAL SIGNS

History: Not eating well since Sunday April 30th, he is dropping food from mouth. Has had vomiting and lip smacking. Not improving with Cerenia, hydration, vitb12, pain reliver, or famotidine. P does have 2 FORL in mouth. Has previous history of asthma and partial collapse of right cranial lung lobe.

Abnormal PE/Chem/CBC/UA Results: Creatinine 2.2 BUN 38 PSL 21 USG 1.032 quiet sediment cbc wnl

## 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 were noted. Ureteral papillae were normal.

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. This is a moderate change. The right kidney measured 4.5 cm. The left kidney measured 4.5 cm.

### *Adrenal Glands*

The **left adrenal gland** was 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 0.33 cm.

The region of the **right adrenal gland** revealed no evident pathology.

### *Spleen*

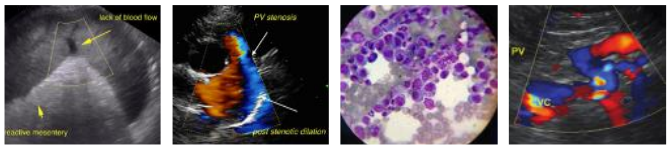
The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or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

### *Liver*

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

### *Gastrointestinal*

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine




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

**PATIENT**

Milo Davenport

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

13

**WEIGHT**

13.42

**INTERPRETED BY**

Eric Lindquist, DMV DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kristin Velasco

**HOSPITAL NAME**

Bethany Family PC

**REFERRING VET**

Kristin Velasco

**INVOICE**

22330

**DATE**

5/5/23

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. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

### *Free Abdomen*

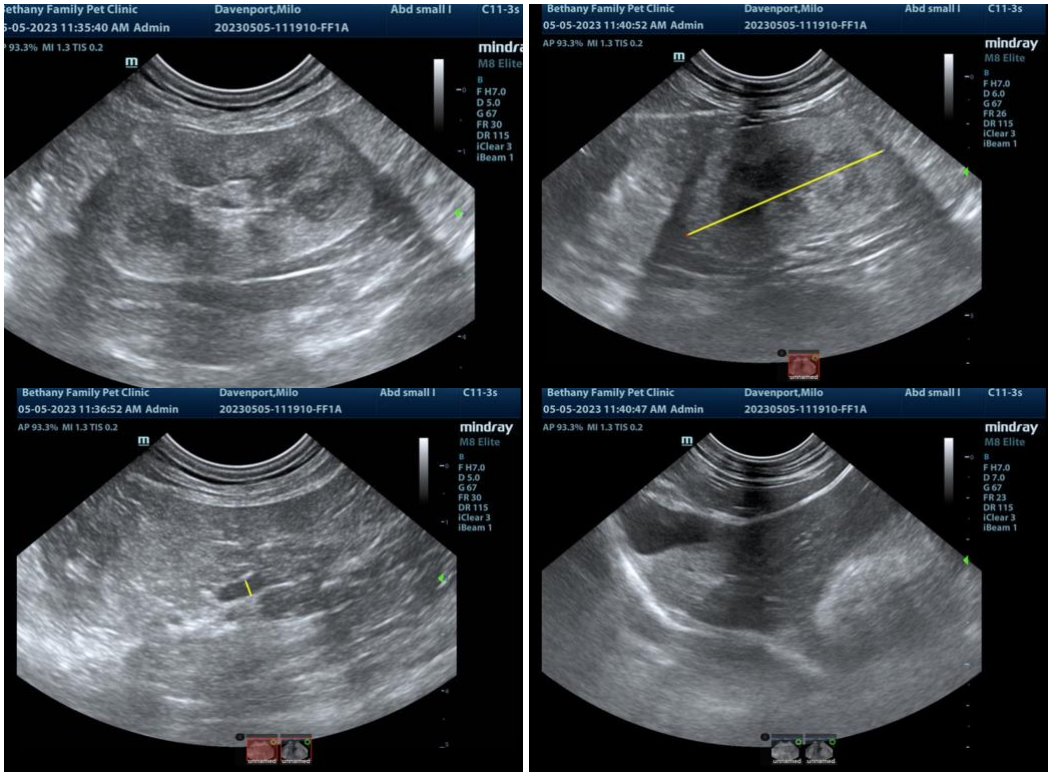
Slight mesenteric **lymph node** enlargement (1.0 cm x 0.5 cm) noted, reactive.

## ULTRASONOGRAPHIC FINDINGS

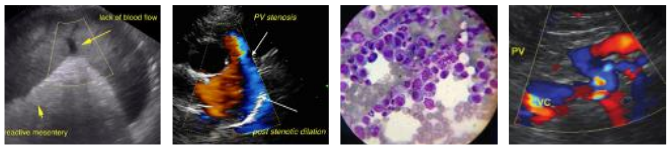
- Chronic interstitial nephrosis renal pattern- no evidence of significant disease
- Reactive mesenteric lymph node

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Dietary indiscretion, food intolerance, structurally insignificant inflammatory bowel or occult parasitism and occult Addison's are all potentials. GI protectant protocol is indicated. 72hr IV fluid protocol may prove the azotemia is likely prerenal, as the kidneys do not appear end-stage. Full urinary work up +/- blood pressure is indicated.



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



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

**PATIENT**

Milo Davenport

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

13

**WEIGHT**

13.42

**INTERPRETED BY**

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kristin Velasco

**HOSPITAL NAME**

Bethany Family PC

**REFERRING VET**

Kristin Velasco

**INVOICE**

22330

**DATE**

5/5/23


**The information and recommendations provided are based on the images presented by the referring veterinarian. 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