



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Phoebe Schnarr
HISTORY History: Decreased Appetite and +++ diarrhea, had bout of sterile panniculitis May/June of 2021. Decreased appetite and diarrhea since Feb. 2022 Current meds; Mirtraz 15mg 1/4 PO SID, Metro 100mg/ml, Susp. 0.5mL PO BID
SPECIES Abnormal PE/Chem/CBC/UA Results: Neu 90, GGT 23, T.Bili 1

SPECIES Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

BREED Maltese
SEX The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. 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.

SEX Spayed Female

AGE

AGE 6 years

WEIGHT

WEIGHT 6.5 lbs

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Mineralization was noted in the kidneys. The calculi were non-obstructive at the time of the sonogram. The largest calculus in the left renal pelvis measured 0.3 cm. The right kidney measured 3.95 cm. The left kidney measured 3.61 cm.

INTERPRETED BY

INTERPRETED BY Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 1.64 x 0.35 cm at the caudal pole and 0.34 cm at the cranial pole. The right adrenal gland measured 1.51 x 0.43 cm at the caudal pole and 0.57 cm at the cranial pole.

IMAGING PERFORMED BY

IMAGING PERFORMED BY Jessica Miller, RDMS

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.

HOSPITAL NAME

HOSPITAL NAME King VH

REFERRING VET

REFERRING VET Dr. King

INVOICE

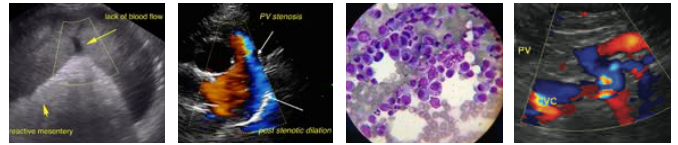
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DATE

DATE 3/15/22

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



PATIENT

lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Phoebe Schnarr

SPECIES

Gastrointestinal

Canine

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. The distal small intestine revealed variable thickening with reactive mesentery. Early loss of mural detail was noted. Wall thickness measured up to 0.52 cm. A focal intestinal mass was noted and measured 3.0 cm with reactive mesentery. The exact location appears to be ileocecal. The descending colon was also mildly thickened. Slight regional lymphadenopathy was noted and measured up to 1.5 x 0.8 cm.

BREED

Maltese

SEX

Spayed Female

AGE

6 years

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.

WEIGHT

6.5 lbs

ULTRASONOGRAPHIC FINDINGS

Renal calculi, non-obstructive.

INTERPRETED BY

Variable intestinal thickening with mass in the ileocecal region with loss of structural detail.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Regional lymphadenopathy.

IMAGING PERFORMED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Intestinal resection and anastomosis is warranted. However, other portions of small intestine appeared to be thickened. This type of presentation is particularly difficult to obtain a definitive cytology on FNA, yet could be attempted along with FNA of the regional lymph node. However, surgical approach is likely most appropriate in this case. Carcinoma, lymphoma and granulomatous disease as well as leiomyosarcoma is all possible. Chest radiographs are warranted prior to surgery.

Jessica Miller, RDMS

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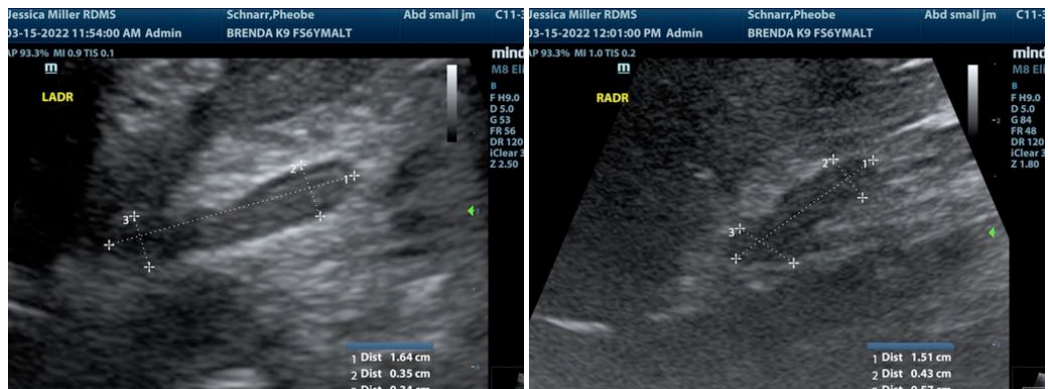
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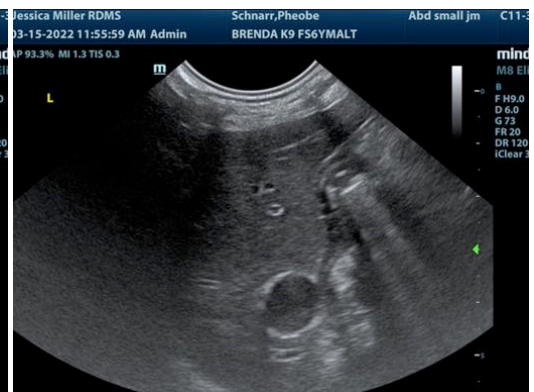
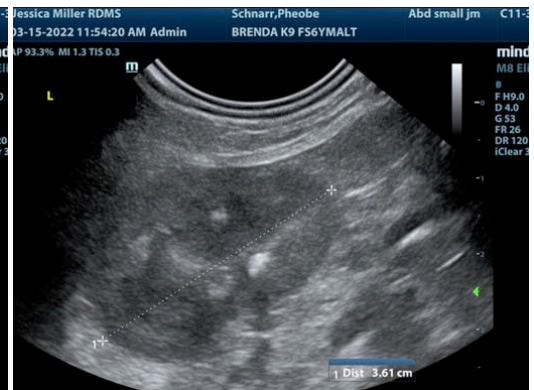
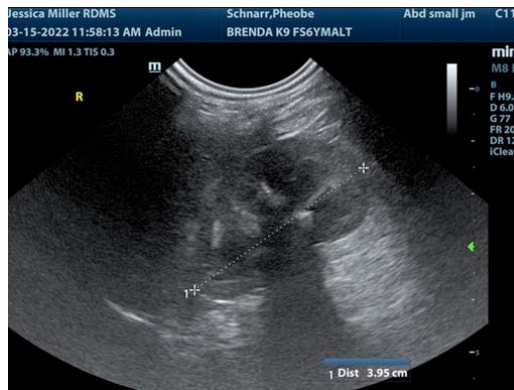
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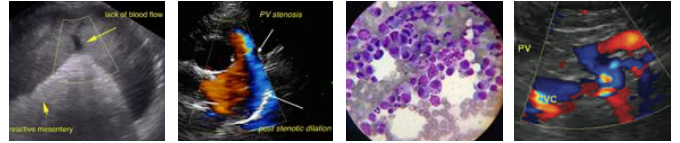
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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