



PATIENT PRESENTING CLINICAL SIGNS

Leo Ries History: Lethargy, V+/D+, Ana +

Abnormal PE/Chem/CBC/UA Results: Anaplasmosis +

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Shepherd Mix

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with mostly anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Male Neutered

The prostate is normal in size (1.16 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

AGE

1 year

The left kidney is normal size (6.42 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

45 lbs.

The right kidney is normal size (5.39 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Adrenal Glands

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

The left adrenal gland is slightly small in size (0.45 cm at cranial pole) (0.41 cm at caudal pole) (1.82 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (1.14 cm at cranial pole) (0.67 cm at caudal pole) (2.24 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Shari Reffi CVT

Spleen

HOSPITAL NAME

Rockaway Animal
Hospital

The spleen is normal in size (1.78 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

REFERRING VET

Dr. Maniar

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

INVOICE

11765kk

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal.

DATE

9/3/21



PATIENT

Leo Ries

with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. The lumen of the descending colon is air-filled. There is no evidence of an obstructive pattern.

Pancreas

SPECIES

Canine

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

BREED

Shepherd Mix

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. Several prominent mesenteric lymph nodes are visualized, the largest measuring 1.61 cm in length. A prominent medial ileac lymph node is also seen measuring 2.23 cm in length.

ULTRASONOGRAPHIC FINDINGS

SEX

Male Neutered

- The abdominal lymphadenopathy could be consistent with reactive lymphadenitis and/or immunologic immaturity.
- The remainder of the abdomen is unremarkable.

AGE

1 year

**An obvious cause for the patient's clinical signs is not identified in this study. Considerations include microscopic gastrointestinal disease, low-grade pancreatitis, underlying metabolic issue, and other.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

45 lbs.

1. A fecal evaluation for ova/Giardia
2. Prophylactic deworming with Fenbendazole at 50 mg/kg once a day for 5 days is recommended. Repeat above protocol in 3 weeks.
3. Supportive care for gastroenteritis is recommended.
4. If clinical signs do not resolve with medical management, consider a more advanced GI work up (i.e., resting cortisol level, pre- and post-prandial serum bile acids, hypoallergenic diet trial, +/- endoscopic or surgical gastrointestinal biopsies).
5. Consider three-view thoracic radiographs to assess for occult aspiration pneumonia, particularly if the patient is febrile.
6. Consider for further evaluation for concurrent tick-borne infections via a comprehensive tick panel. <https://cvm.ncsu.edu/research/labs/clinical-sciences/vector-borne-disease/>

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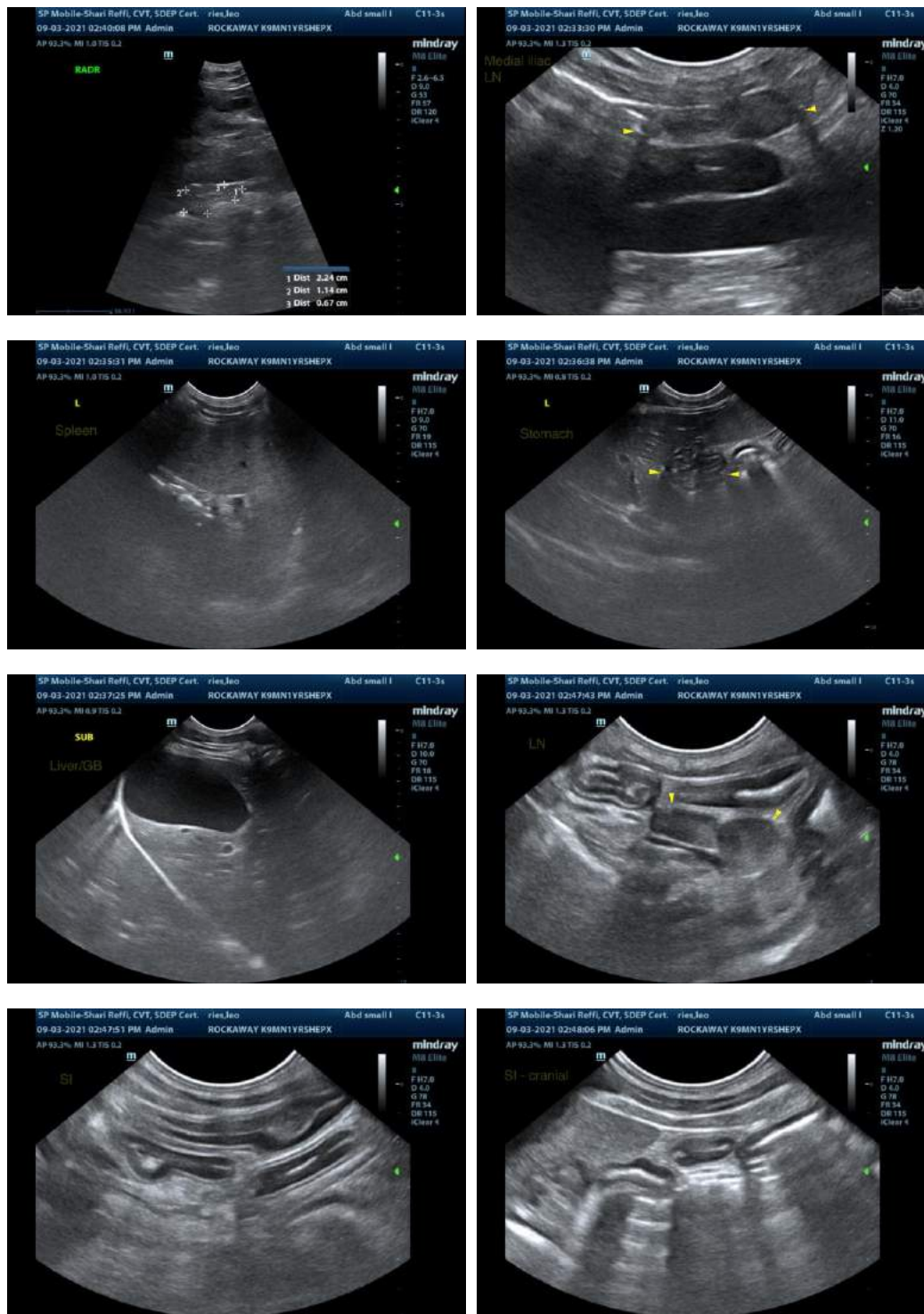
Dr. Maniar

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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.



PATIENT

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SPECIES

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BREED

Shepherd Mix

SEX

Male Neutered

AGE

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