



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Annie Vera
History: decreased appetite despite Cerenia, SQ fluids and appetite stimulant; elevated temp on 11/14/21, today was 103.9. Have treated symptomatically. On doxy for Lyme disease. Received Convenia 11/14/21.

SPECIES Abnormal PE/Chem/CBC/UA Results: nsf on recent BW at rdvm. UA: WBCs present, USPG 1.013

Canine ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Border Collie Mix
The urinary bladder is mildly to moderately distended, with anechoic urine. The wall and region of the apex and ventral aspect is thickened, up to 0.76 cm, and irregular. The wall tapers to a normal thickness as it extends towards the urinary bladder neck. No cystic calculi are observed. The region of the trigone and the visible portion of the proximal urethra are normal.

SEX

Spayed Female
The left kidney is normal size (5.51 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

12 Years
The right kidney is normal size (5.98 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

28.3 Pounds

Adrenal Glands

The left adrenal gland is normal size (0.63 cm at cranial pole) (0.65 cm at caudal pole) (2.0 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.

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

The right adrenal gland is normal size (1.64 cm at cranial pole) (0.66 cm at caudal pole) (2.35 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

Diane McFadden

Spleen

The spleen is normal in size (1.32 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.

HOSPITAL NAME

Newton VH

Liver

The liver is subjectively normal in size with slightly irregular peripheral contours. The parenchyma is hypoechoic relative to the spleen with minor changes consistent with age-related remodeling. No focal lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion.

REFERRING VET

Dr Wyman-
Greenwald

The gall bladder is moderately distended. The wall is slightly thickened. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen

INVOICE

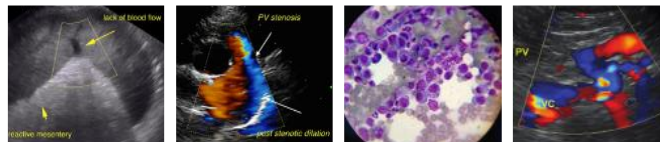
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Gastrointestinal

The gastric lumen is mildly fluid-distended. The gastric wall is diffusely and mildly thickened (up to 0.79 cm), with apparent retention of the normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal

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11/26/2021



PATIENT

layering pattern and appropriate mural detail. The colonic wall is normal. There is no evidence of an obstructive pattern.

Annie Vera

Pancreas

The left limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

SPECIES

Canine

BREED

Free Abdomen

There is no evidence of free fluid. One to two enlarged hypoechoic lymph nodes are observed in the right cranial quadrant, the largest measuring 3.77 cm in length.

Border Collie Mix

ULTRASONOGRAPHIC FINDINGS

SEX

Primary Findings

Spayed Female

- The gastric wall changes are most consistent with inflammation/gastritis with potential for emerging neoplasia.
- The prominent lymph nodes in the right cranial quadrant could be consistent with infiltrative neoplasia (i.e., lymphoma), reactive lymphadenitis, or lymphoid hyperplasia.
- The urinary bladder wall changes could be consistent with infiltrative neoplasia, i.e., transitional cell carcinoma) or asymmetrical cystitis.

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Secondary Findings

- Minor age-related renal, hepatic, and pancreatic changes.
- The gall bladder wall changes could be consistent with benign age-related hyperplasia and/or cholecystitis. Correlation with clinical findings is recommended.

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Internal Medicine)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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- Three-view thoracic radiographs are recommended to assess for pulmonary metastases. If there is no evidence of pulmonary metastatic disease, and an aggressive approach is desired, consider an abdominal exploratory with biopsies of the enlarged cranial abdominal lymph nodes, G.I tract and urinary bladder wall.
- If a more conservative approach is desired, consider supportive care for gastroenteritis, along with a urine BRAF test to further assess for lower urinary tract neoplasia.
- If the patient's clinical signs do not improve within 3-7 days of supportive care, an abdominal exploratory can be reconsidered.

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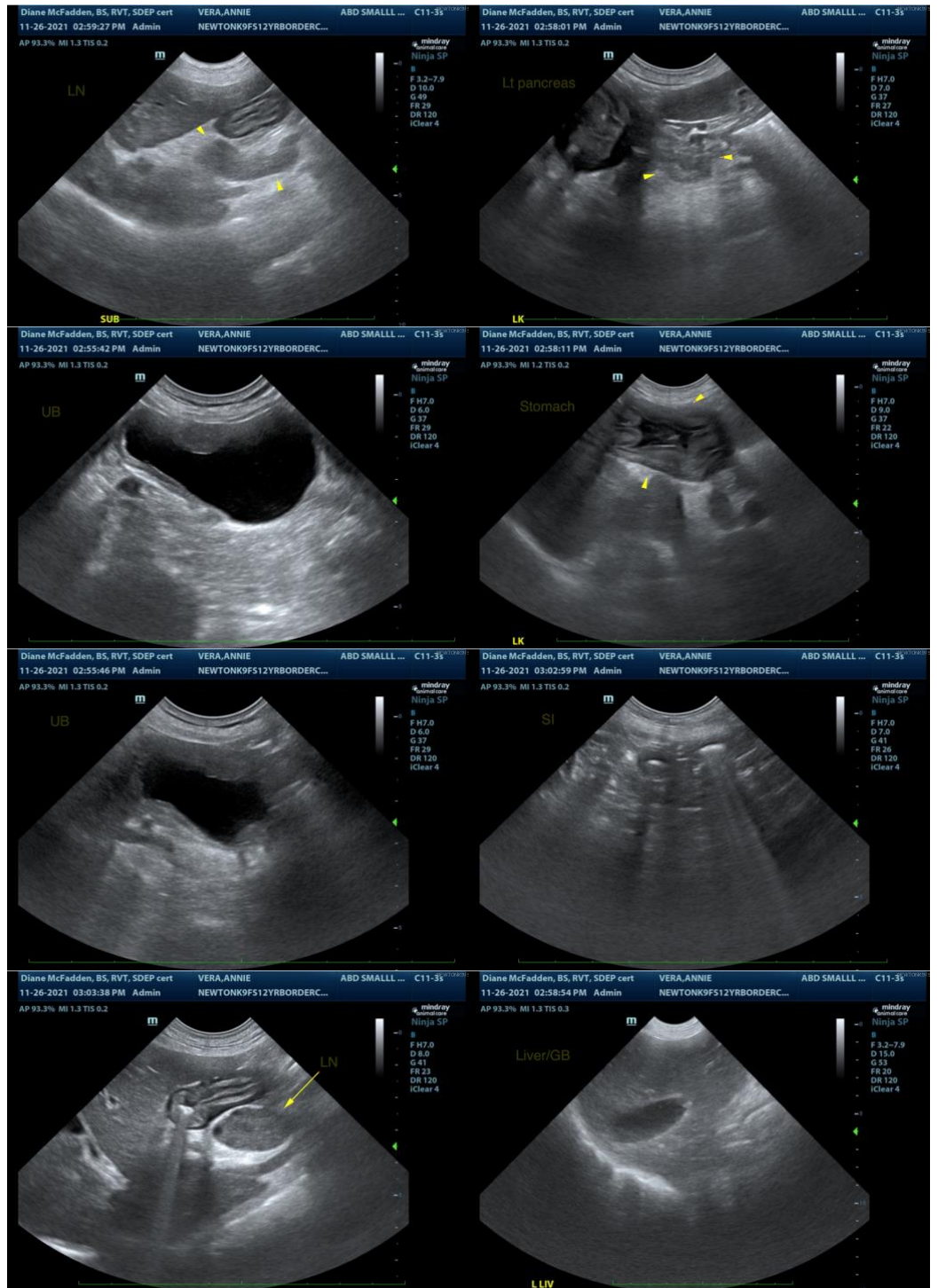
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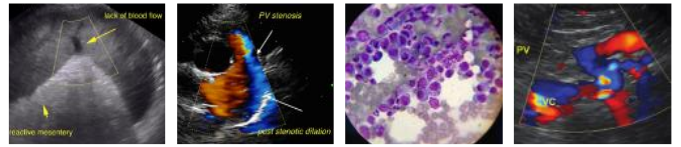
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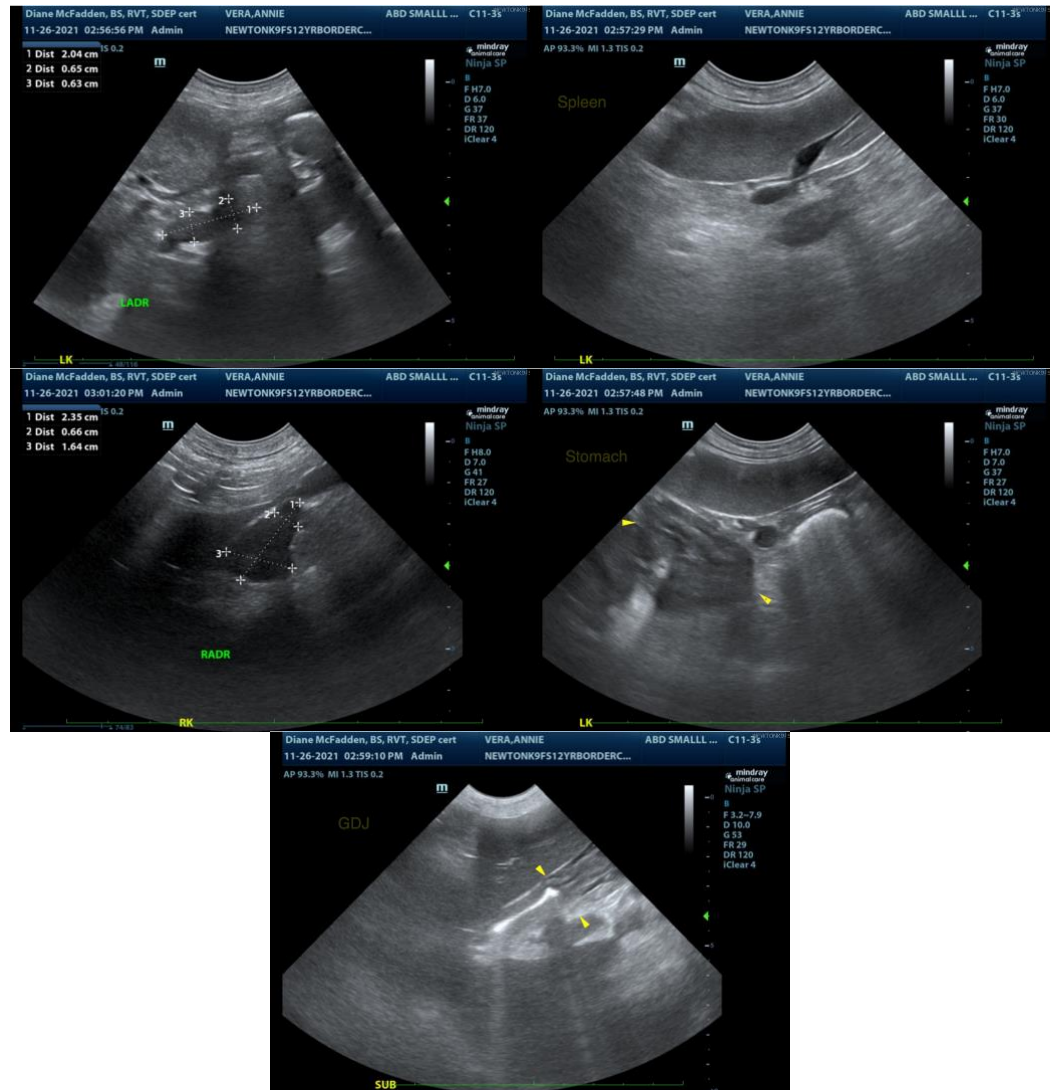
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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