**PATIENT**

Dexter Gaschler

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

13yr

WEIGHT

9.8lb

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)**IMAGING
PERFORMED BY**

Rachel Runnells RVT

HOSPITAL NAME

SVS Imaging KC

REFERRING VET

Dr. Michelle Hall

INVOICE

11435ag

DATE

08/19/2022

PRESENTING CLINICAL SIGNS

History: He presented for a routine wellness, and we did bloodwork at the same time. We found an anemia and we did do a CBC scan as well as a u/a. All results were sent via Idexx labs.

Abnormal PE/Chem/CBC/UA Results: HCT 27.5, retic 7, WBC 18.0 diff wnl, Na:K 43, hyponatremia and hypokalemia, BUN 30, CREAT 1.6, SDMA 18, USG 1.039 1+ pro, T4 1.8 Anemia was found on blood results. Smudge cells and howell jolly bodies found as well on the scan.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with nondependent particulate sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Mild subnormal left kidney size was present. The right kidney was mildly enlarged in size with focal areas of non-obstructive medullary mineral. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced.

The left kidney measured 2.8 cm in length. The right kidney measured 5.4 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.41 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.30 cm width.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted. Th spleen measured 1.2 cm in width at the level of the hilus.

Liver

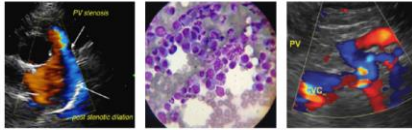
The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with hyperechoic debris-likely incidental if no evidence of cholestasis. The cystic and common bile ducts were normal.

Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. The gastric body wall measured 0.25 cm in width.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. The duodenum wall measured 0.23 cm in width. The jejunum wall measured 0.22 cm in width.

Normal visible colon wall layers were present with apparent formed feces in lumen.

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Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

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Free Abdomen

No peritoneal effusion was present.

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Mildly prominent to hypoechoic intermittent colic lymph nodes were present with associated reactive mesentery.

ULTRASONOGRAPHIC FINDINGS**WEIGHT**

9.8lb

- Urinary bladder sediment
- Moderate chronic renal changes with subnormal size -left kidney
- Mild renomegaly with focal pelvic mineral-right kidney
- Splenomegaly-subjectively benign
- Age related pancreatic changes

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The renal presentation is consistent with chronic renal changes with mild right kidney compensatory hypertrophy. No evidence of renal neoplastic criteria was present. The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended. Assuming normal clotting status and using a 25g needle a splenic FNA is recommended for screening cytology to ensure only benign changes are present. Overall, an obvious cause of the patient's anemia was not evident.

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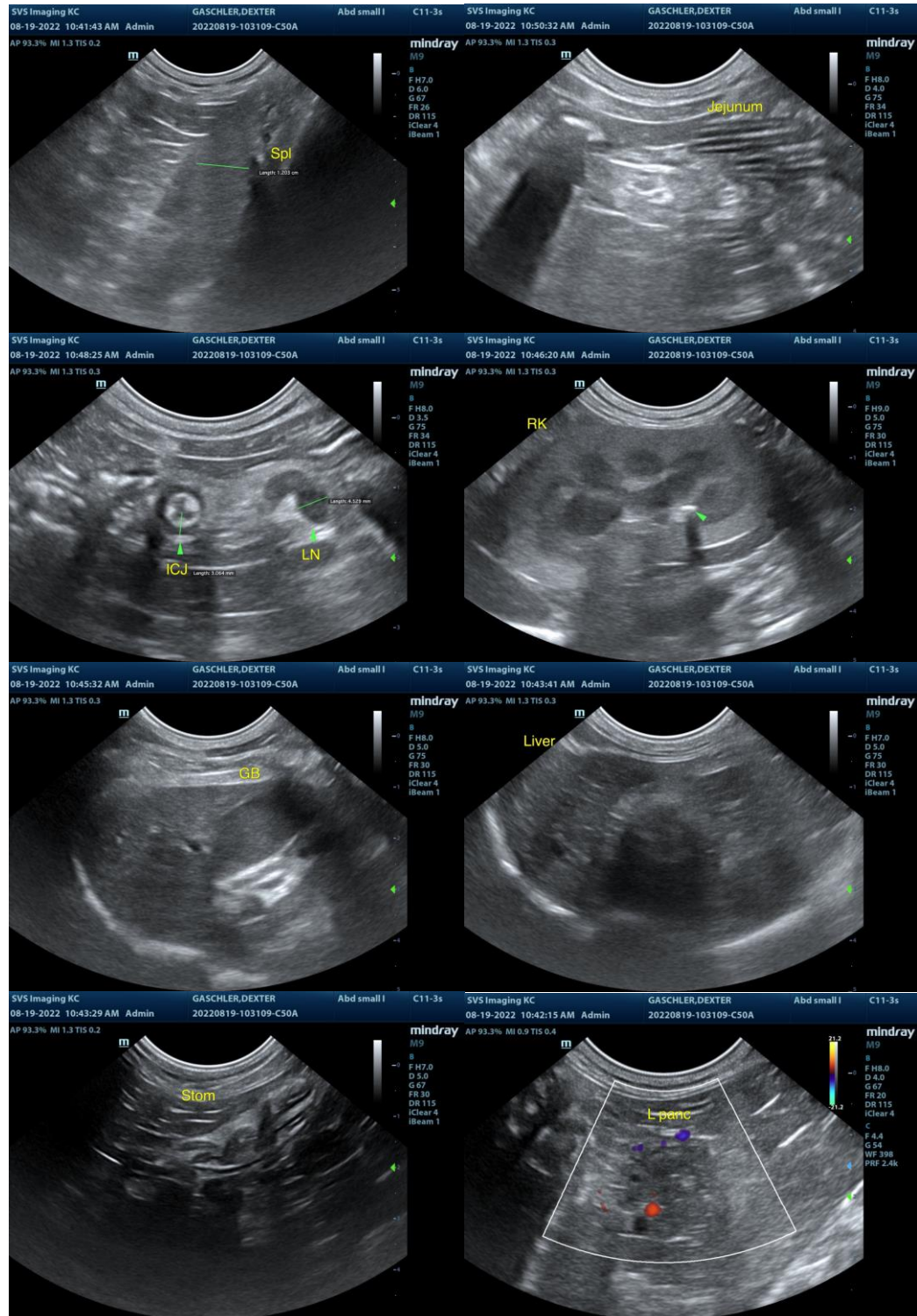
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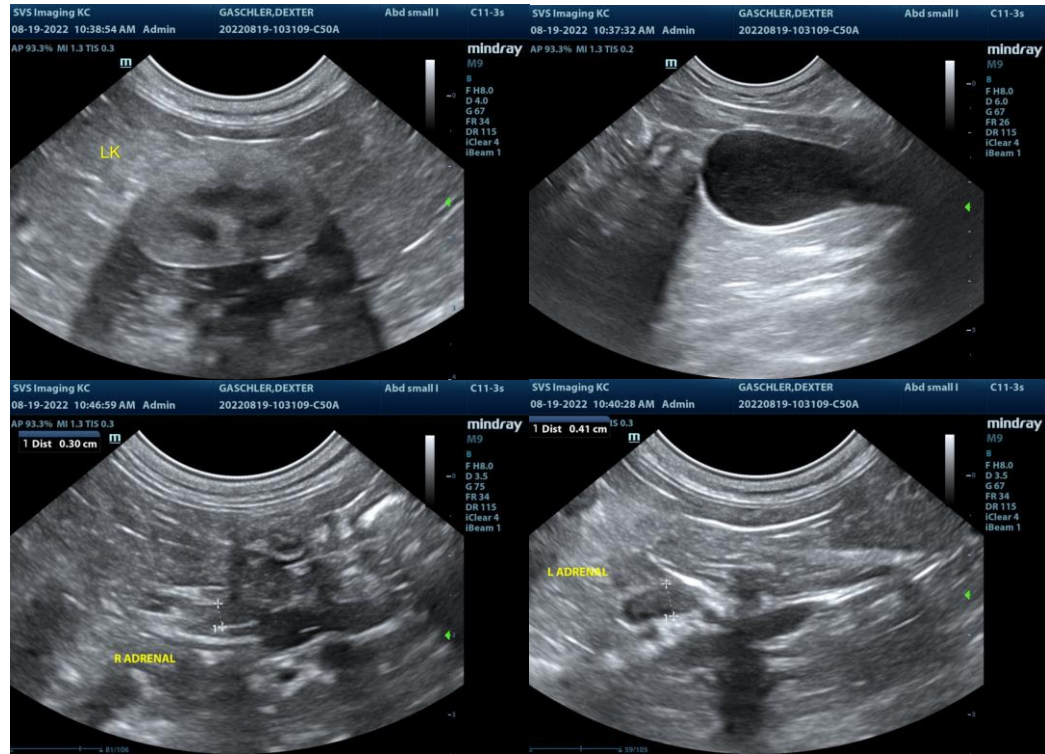
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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