



PATIENT	PRESENTING CLINICAL SIGNS
Shadow Pendzinski	History: Chronic skin allergies, some thickening around nipples etc..Has been on Enrofloxacin in past. On exam presented for lethargic behaviour, pale MM, decreased appetite(not wanting his cookies), soft brown stool followed by diarrhea. Mildly tense abdomen on palpation. Bloodwork suggestive of IMHA so started on Prednisone. Some icterus in serum. Agglutination in purple top tube. Reticulocytosis present. PCV 24%, creatinine decreased, ALT elevated 1819.
SPECIES	
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
German Shep	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.
Male	
AGE	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 8.0 cm in length. The right kidney measured 9.3 cm in length.
9 years	
WEIGHT	The area of the aortic trifurcation was free of pathology.
42 kg	The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.9 cm x 4.8 cm.
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.61 cm width at the caudal pole and 2.5 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.9 cm width at the caudal pole and 2.0 cm length.
IMAGING PERFORMED BY	Spleen
Crystal Hill	The spleen exhibited generalized enlargement with 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.
HOSPITAL NAME	Liver
Chippewa Animal Hospital	The liver exhibited mild to moderate generalized enlargement with normal 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.
REFERRING VET	
Dr. Van Leeuwen	
INVOICE	
10505ag	
DATE	The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with moderate nondependent mildly congealed sludge. The cystic and common bile ducts were normal.
05/02/2022	


PATIENT *Gastrointestinal*

Shadow Pendzinski 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.

SPECIES The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. A segmental to diffuse ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present without obstruction or foreign material.

Canine

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

German Shep

Pancreas

SEX The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Male

Free Abdomen

AGE No overt lymphadenopathy or peritoneal effusion was present.

9 years Both testicles exhibited variation in size with the left testicle smaller and irregular compared to the right. A small cystic nodule was present in the mid left testicular parenchyma measuring 0.70 cm in diameter. No overt evidence of overt testicular neoplastic criteria.

WEIGHT

42 kg

ULTRASONOGRAPHIC FINDINGS
INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

- Splenomegaly-subjectively benign hyperplasia, hematopoiesis, splenitis, breed associated hypersplenism
- Hepatomegaly exhibiting mild non uniform to remodeled parenchyma-subjectively benign, age related parenchymal changes, vacuolar hepatopathy, idiopathic or secondary to corticosteroid use, cholestasis, nonspecific inflammatory hepatopathy or hepatobiliary process i.e. cholangiohepatitis possible
- Moderate gallbladder debris (non-mucocele)
- Gastroenteritis pattern
- Benign prostatic hyperplasia, minor potential for prostatitis
- Subjectively benign left testicular cystic nodule

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Chippewa Animal
 Hospital

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

An ultrasound guided FNA of the spleen assuming normal clotting status and using a 25g needle for screening cytology could be considered primarily to ensure only benign changes are present. Concurrent screening hepatic FNA to assess for inflammatory cells is warranted. Dietary indiscretion, structurally insignificant inflammatory bowel disease, dysbiosis could be possible. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended as well as a fresh fecal analysis to rule out parasitic ova/giardia. Empirical GI support including novel protein or hydrolyzed diet, high colony count probiotic and as needed antibiotic therapy may prove beneficial. Hepatosupportive medication including Denamarin or Ursodiol may be considered.



PATIENT

Shadow Pendzinski

SPECIES

Canine

BREED

German Shep

SEX

Male

AGE

9 years

WEIGHT

42 kg

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IMAGING PERFORMED BY

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HOSPITAL NAME

Chippewa Animal
Hospital

REFERRING VET

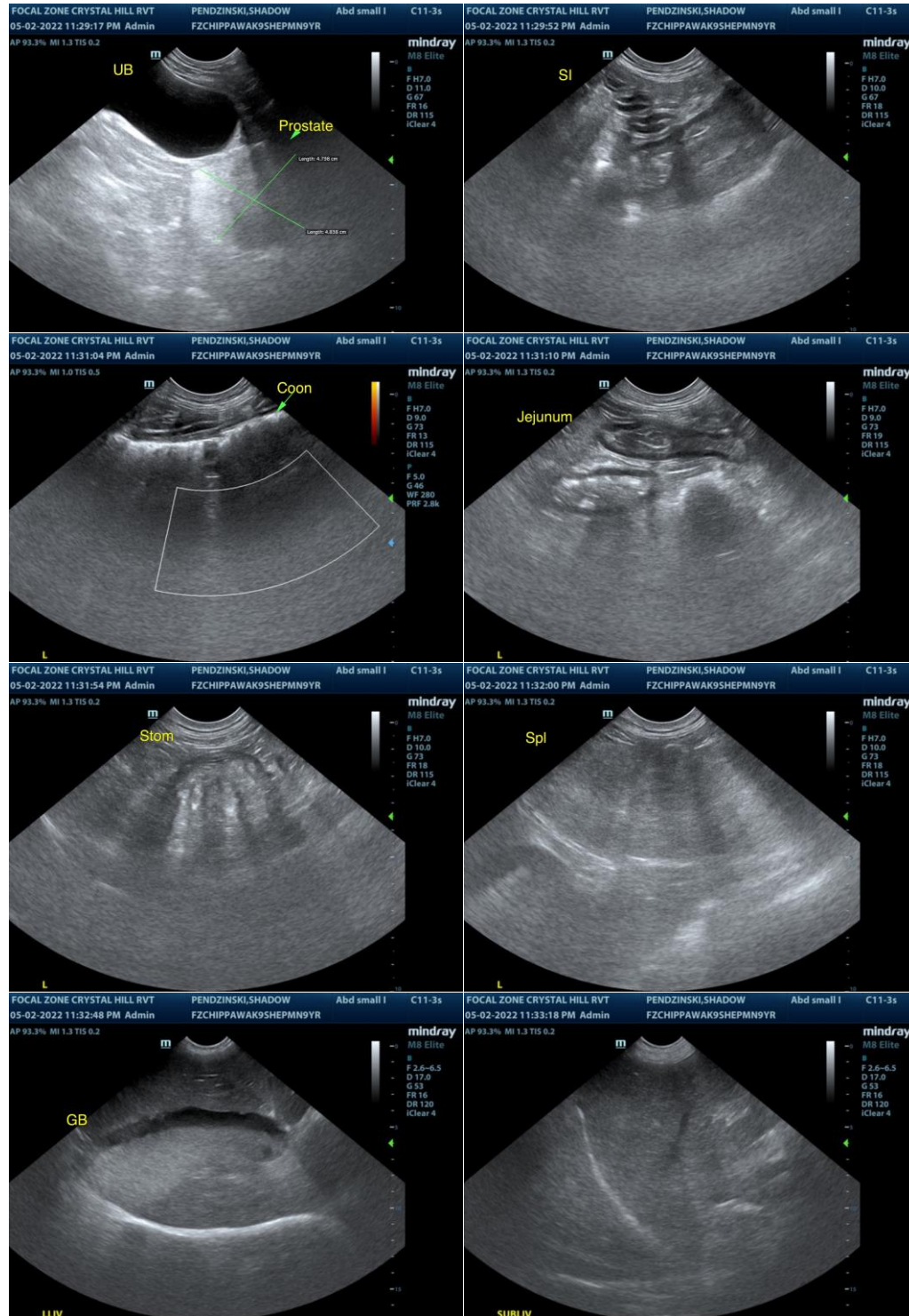
Dr. Van Leeuwen

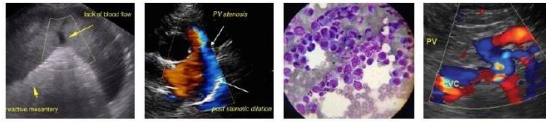
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PATIENT
Shadow Pendzinski

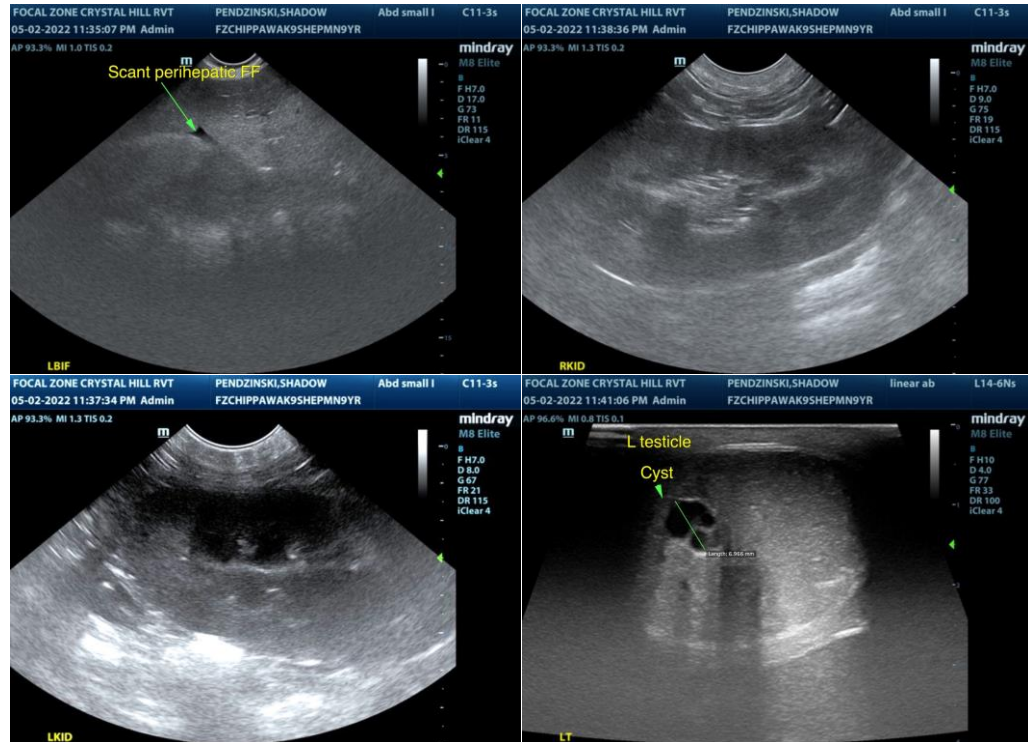
SPECIES
Canine

BREED
German Shep

SEX
Male

AGE
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WEIGHT
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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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