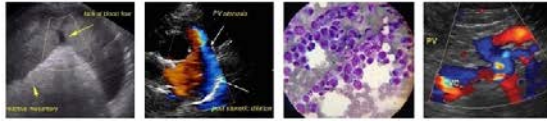


PATIENT	PRESENTING CLINICAL SIGNS
Nerm Beckmann	Seen at Emerg clinic for mild ostipation, vomiting and blood seen from penis. (previous history of urinary obstruction). Blood revealed low potassium(started IVF)elevated total protein and globulins(inflammation? neoplasia?) mild neutrophilia and chronic abnormal FPLI. Mild dehydration and painful cranial abdomen. Start Cerenia, Famotidine, Buprenorphine. Mature cataract right eye, BCS 4/5, coat unkempt. Also started Cisapride. Will also collect U/A and measure B12 and Folate.
SPECIES	
Feline	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
DSH	Urinary System
SEX	Urinary bladder is adequately distended. It has a normal uniform wall thickness. Contents include primarily anechoic fluid with a moderate to large amount of echogenic non-shadowing debris, including some mineral/sand debris, which is partially likely incidental suspended lipid in a cat, likely combined with exfoliated cells, mucous and/or small blood clots, etc. Both sterile inflammation as well as urinary tract infection can also present with echogenic debris. No masses or cystoliths are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.
Neutered Male	
AGE	The right kidney is normal in size (4.66 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
14 Years	
WEIGHT	The left kidney is normal in size (4.45 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
6.61 kg	
INTERPRETED BY	Adrenal Glands
Beth Johnson, DVM DACVIM	The right adrenal gland is normal in size (0.40 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
	The left adrenal gland is normal in size (0.49 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
IMAGING PERFORMED BY	Spleen
Crystal Hill	Spleen is subjectively large in size with subtly scalloped or undulating capsular contour. Parenchyma is normal in echogenicity with a mildly coarse/heterogenous echotexture. No focal nodules or masses are observed. Splenic vasculature appears normal.
HOSPITAL NAME	Liver
Windrush VS	The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.
REFERRING VET	DATE
Dr. McGrath	5/9/23
INVOICE	Gastrointestinal
47251	The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.



PATIENT	The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.
Nerm Beckmann	
SPECIES	The visible colon is normal in wall thickness (< 0.2 cm) and layering. The colon is subjectively mildly over distended with firm hard stool.
Feline	
BREED	<i>Pancreas</i>
DSH	Pancreas is prominent (enlarged) in size, hypoechoic to surrounding tissue and has a mildly irregular undulating contour. Parenchyma is coarse with mixed echogenic remodeling noted. Pancreatic duct dilation is noted. The changes are more visible in the right limb.
SEX	<i>Free Abdomen</i>
Neutered Male	There is no evidence of free peritoneal effusion noted in these images.
AGE	There is no apparent lymphadenopathy noted in these images.
14 Years	
WEIGHT	ULTRASONOGRAPHIC FINDINGS
6.61 kg	<ul style="list-style-type: none"> • Urinary bladder debris • Scalloped spleen – can be associated with benign or malignant infiltrative disease. Common causes include a reactive spleen secondary to immune stimulus or early infiltrative round cell neoplasia such as lymphoma or mast cell tumor. • The appearance of the colon is consistent with this patient's reported history of constipation. • Chronic active pancreatitis.
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
Beth Johnson, DVM DACVIM	As is reportedly already pending, a urinalysis and, if indicated based on urinalysis results, urine culture are recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ration is recommended.
IMAGING PERFORMED BY	A gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.
Crystal Hill	
HOSPITAL NAME	Additionally, especially given this patient's high globulin count, a fine needle aspirate of the spleen could be considered if patient's coagulation status is appropriate. In the meantime, supportive/symptomatic medical management of this patient's constipation is recommended, beginning with ensuring adequate hydration and administering fluid therapy if necessary, a stool softener such as lactulose or Miralax, and potentially, if tolerated, a transition in diet to a colitis or fiber response diet.
Windrush VS	
REFERRING VET	
Dr. McGrath	
INVOICE	
47251	
DATE	
5/9/23	



PATIENT

Nerm Beckmann

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years

WEIGHT

6.61 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Windrush VS

REFERRING VET

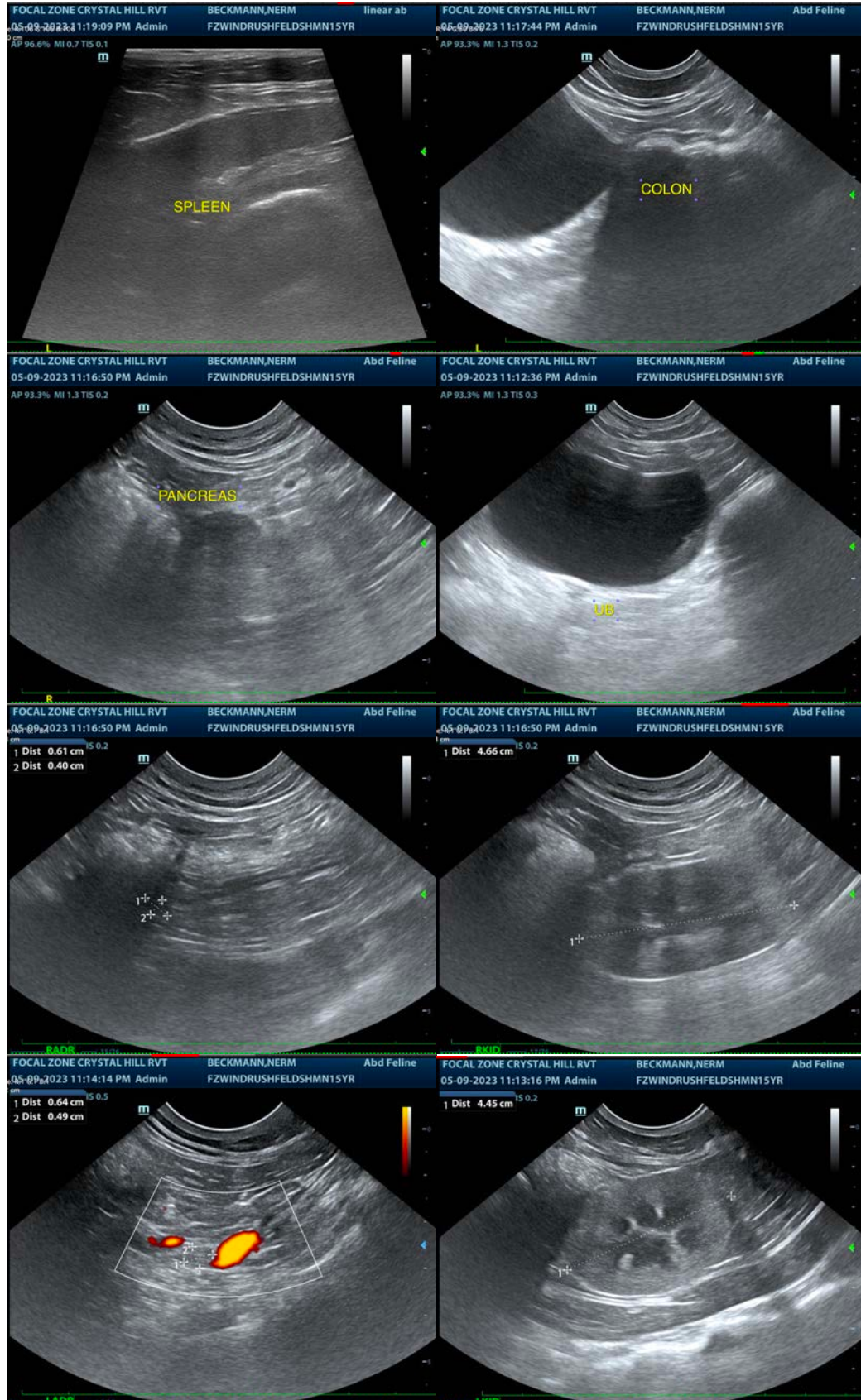
Dr. McGrath

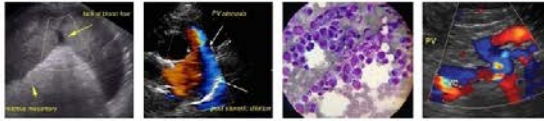
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47251

DATE

5/9/23





PATIENT

Nerm Beckmann

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years

WEIGHT

6.61 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Windrush VS

REFERRING VET

Dr. McGrath

INVOICE

47251

DATE

5/9/23

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.

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com