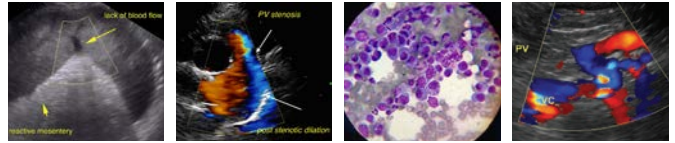
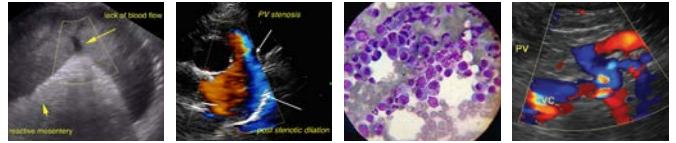


PATIENT	PRESENTING CLINICAL SIGNS
Meeko Bowman	Patient presented for urinating in household and weakness/ataxia noted at home. Owner reports symptoms beginning in July of this year. Bloodwork indicative of renal failure progress (previously diagnosed) with recent development of mild hypercalcemia.
SPECIES	
Feline	Abnormal PE/Chem/CBC/UA Results: CBC: Hct - 26.8, retic 6.4 (3.0-50) Chem: SDMA: 18 (was 16). Creat - 1.8 (was 1.6), BUN - 33 (was 22), Ca - 11.8 (was 8.9) T4 - 1.6 U/A: UsG - 1.005, no prot., no gluc, sediment unremarkable
BREED	
Maine Coon	
SEX	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Neutered Male	Urinary System
AGE	The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.
12 Years	The right kidney is normal in size (4.4 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.
WEIGHT	The left kidney is normal in size (4.3 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.
15.3 Pounds	
INTERPRETED BY	Adrenal Glands
Beth Johnson, DVM DACVIM	The right adrenal gland is normal in size (0.34 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
IMAGING PERFORMED BY	The left adrenal gland is normal in size (0.36 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
Jack Reese	Spleen
HOSPITAL NAME	Spleen is markedly enlarged (1.8 cm thick at the hilus) with a mildly swollen but smooth capsule. Parenchyma is normal and homogenous in echogenicity and echotexture. No focal nodules or masses are observed. Splenic vasculature appears normal.
Willow Run VC	Liver
REFERRING VET	The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypochoic 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.
Dr. Anna Leppien	INVOICE
	44916
DATE	The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.
8/24/23	



PATIENT	<i>Gastrointestinal</i>
Meeko Bowman	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.
SPECIES	
Feline	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.
BREED	
Maine Coon	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
SEX	
Neutered Male	<i>Pancreas</i>
AGE	Pancreas is prominent in size with swollen irregular contour. Parenchyma is heterogenous characterized by hyperechoic tissue remodeling intermixed with ill-defined hypoechoic nodules. Additionally, a 1.4 cm x 1.2 cm anechoic cystic structure is noted in the left pancreas. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.
12 Years	
WEIGHT	<i>Free Abdomen</i>
15.3 Pounds	There is no evidence of free peritoneal effusion noted in these images.
INTERPRETED BY	The mesenteric lymph nodes are prominent in size with swollen capsular contour. Normal elongated shape (length to width ratio) is maintained. There is no loss of parenchymal detail.
Beth Johnson, DVM DACVIM	ULTRASONOGRAPHIC FINDINGS
IMAGING PERFORMED BY	<ul style="list-style-type: none"> • Hypersplenism – can be associated with congestion caused by sedation (if sedated) but can also be associated with diffuse infiltrative disease. Both benign conditions such as extramedullary hematopoiesis, lymphoid hyperplasia, amyloidosis as well as infiltrative neoplastic diseases such as round cell neoplasia should be considered. • Pancreatic nodular hyperplasia with a suspect pancreatic cyst – Infiltrative neoplasia cannot be ruled out but is considered less likely. • Reactive mesenteric lymph nodes – infiltrative neoplastic disease cannot be ruled out but is considered less likely.
Jack Reese	
HOSPITAL NAME	
Willow Run VC	
REFERRING VET	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
Dr. Anna Leppien	A fine needle aspirate of the spleen is recommended if patient's coagulation status is appropriate. Premedication with diphenhydramine could be considered.
INVOICE	
44916	Given this patient's history of chronic kidney disease combined with newly reported ataxia, a blood pressure is recommended if not recently evaluated.
DATE	
8/24/23	Finally, further evaluation of the hypercalcemia is recommended, beginning with a malignancy panel to include PTH, PTHrP, and ionized calcium to help determine significance and guide therapy if necessary.
	Pending results of above, if an explanation is not obtained, further neurologic evaluation, advanced



PATIENT

imaging, etc. may ultimately be necessary.

Meeko Bowman

SPECIES

Feline

BREED

Maine Coon

SEX

Neutered Male

AGE

12 Years

WEIGHT

15.3 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

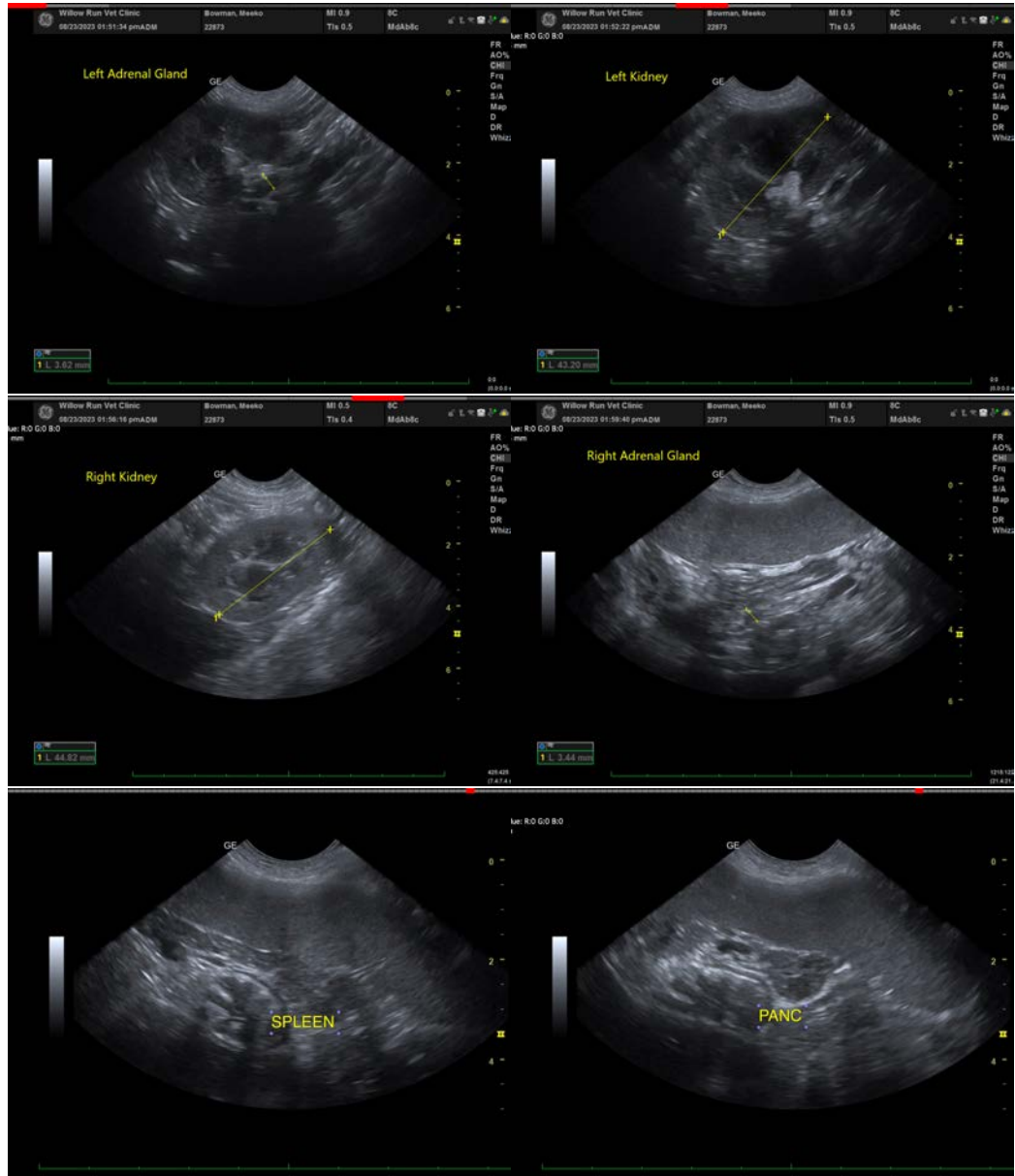
Dr. Anna Leppien

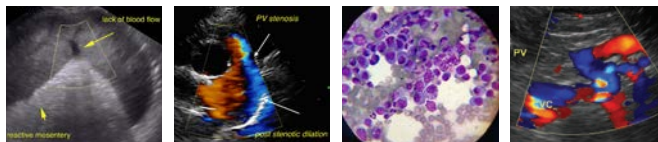
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44916

DATE

8/24/23





PATIENT

Meeko Bowman

SPECIES

Feline

BREED

Maine Coon

SEX

Neutered Male

AGE

12 Years

WEIGHT

15.3 Pounds



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
info@sonopath.com

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

Dr. Anna Leppien

INVOICE

44916

DATE

8/24/23