



PATIENT

Ziggy Rothmann

SPECIES

Feline

BREED

Maine Coon

SEX

Neutered Male

AGE

3 Years

WEIGHT

10.93 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Megan Cassels-Conway

HOSPITAL NAME

Central Broward AH

REFERRING VET

Dr. Janeen Lezcano

INVOICE

44664

DATE

8/15/23

PRESENTING CLINICAL SIGNS

P has been having marked amt of fur in stools and the bm freq has decreased to one every other day. P has no dermatological issues (no lesions noted on PE or pruritis/excessive grooming noted by owner). No hx of vomiting or decreased appetite. O does report occasional hairballs. P has been on miralax, laxatone and Purina Indoor Hairball control diet.

Abnormal PE/Chem/CBC/UA Results: 8/23: CBC: mild neutropenia, Chem: creat: 2.2, BUN: 35, PHOS: 4.8, alb: 4.2H, Ca: 12.7H, T4: 2.1 UA: SG: 1.027, quiet sediment, UCS: no growth 1/23: CBC: WNL, miniChem: ALB: 4.0, Creat: 1.8, BUN: 33, no UA 12/26/2022: SG: 1.050, 1+ prot, quiet sediment 12/24/2022: CBC: WNL, miniChem: creat: 2.0, BUN: 30 1/2022: SG: 1.063, 1+ prot, quiet sediment 12/2021: CBC: WNL; miniChem: creat: 1.9, BUN: 30

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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.

Kidneys are overall normal in size and shape with smooth peripheral margination. A normal 1:3 cortex to medulla ratio is maintained. The medulla and cortices are uniform in texture with some mild increased cortical echogenicity and mild loss of corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed. The left kidney measures 3.66 cm. The right kidney measures 4.06 cm.

Adrenal Glands

The right adrenal gland is normal in size (0.28 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.33 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

Spleen

The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

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.

The gallbladder is non-distended in size. It is bilobed, which is a normal anatomic variant in cats. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.



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Gastrointestinal

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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.

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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.

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The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

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Pancreas

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The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

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Free Abdomen

There is no evidence of free peritoneal effusion noted in these images.

There is no apparent lymphadenopathy noted in these images.

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ULTRASONOGRAPHIC FINDINGS

- The appearance of the kidneys could be normal patient variant but is subtly/mildly suggestive of possible early emerging or mild chronic kidney disease, such as chronic glomerular or interstitial nephritis, potentially chronic pyelonephritis, etc.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given this patient's hypercalcemia, further workup of this patient's hypercalcemia is recommended, beginning with a malignancy panel to include PTH, PTHrP, and ionized calcium.

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Given the suspicion for early emerging chronic kidney disease, if not recently evaluated, a blood pressure is recommended.

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Other differentials for this patient's suspected overgrooming include underlying dermatologic disease, and consultation with a veterinary dermatologist could be considered, +/- concurrent behavioral anxiety/stress related disorders, etc.

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In the meantime, while obtaining the above recommended information, beginning management for early chronic kidney disease could be considered, beginning with, if tolerated, a kidney friendly diet.

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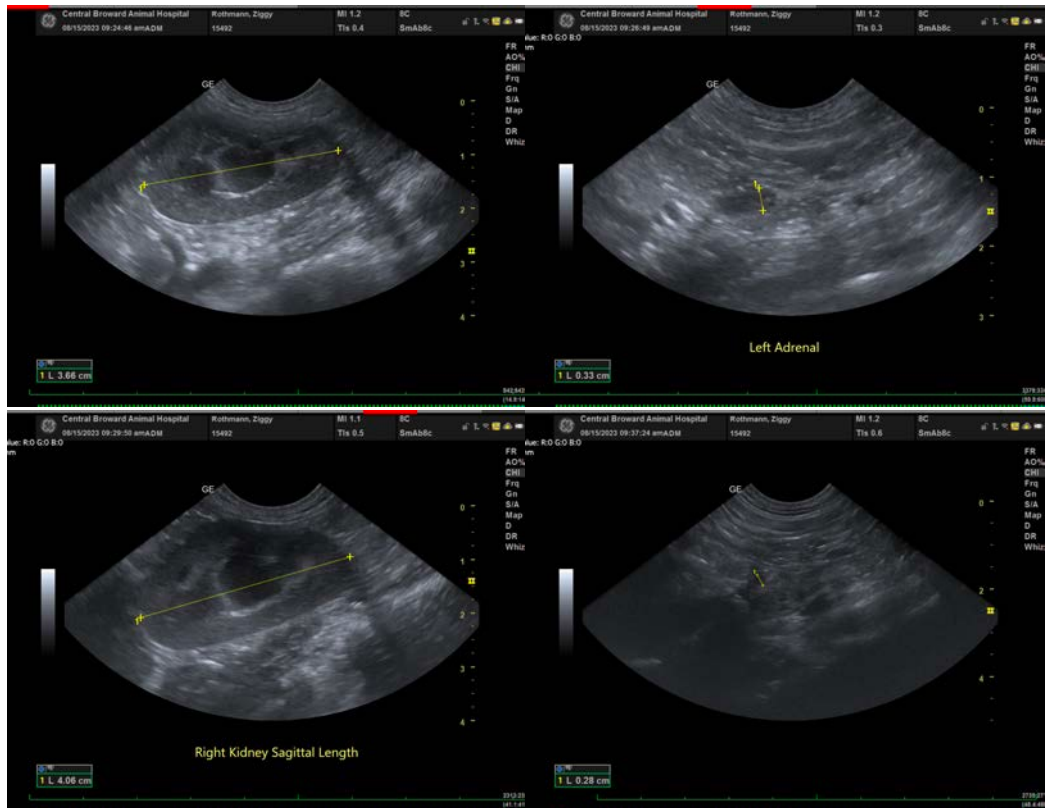
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Beth Johnson, DVM, DACVIM
info@sonopath.com