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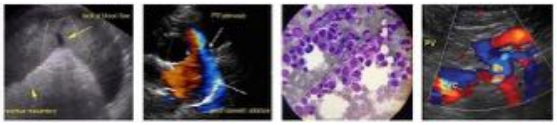


THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

PATIENT

Maui Campbell

SPECIES

Feline

BREED

Bengal

SEX

Male, neutered

AGE

5 Yrs.

WEIGHT

5 kgs.

INTERPRETED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Kelly Reshny, RVT

HOSPITAL NAME

West Park AH

REFERRING VET

Dr. Rice

INVOICE

12007

DATE

9/2/21

PRESENTING CLINICAL SIGNS

History: Recheck of kidneys - previous ultrasounds have been done VIA OVC Assess for Heart murmur grade 3/6, present for 2 years
Abnormal PE/Chem/CBC/UA Results: Urine Protein Creatinine Ratio c: 0.7 0.0 - 0.2 RBC 6.3 L Hematocrit 0.28 0.29 - 0.45 L/L L Hemoglobin 99 103 - 162 g/L MCV 44.4 39.0 - 56.0 fL MCH 15.7 12.6 - 16.5 pg MCHC 353.6 285.0 - 378.0 g/L RDW 16.6 10.0 - 26.0 % Reticulocyte 0.2 % Reticulocytes 12.6 3.0 - 50.0 x10E3/uL Reticulocyte Hemoglobin 15.7 15.3 - 22.9 pg WBC 7.0 3.9 - 19.0 x10E9/L % Neutrophils 67.9 % % Lymphocytes 30.5 % % Monocytes 0.7 % % Eosinophils 0.6 % % Basophils 0.3 % Neutrophils 4.8 2.6 - 15.2 x10E9/L Lymphocytes 2.1 0.9 - 5.9 x10E9/L Monocytes 0.0 0.0 - 0.5 x10E9/L Eosinophils 0.0 0.0 - 2.2 x10E9/L Basophils 0.0 0.0 - 0.1 x10E9/L Platelets 260 155 - 641 x10E9/L CBC Comment Polychromasia Rare WBC Morphology Normal Platelet morphology normal. IDEXX SDMA a 22 0 - 14 ug/dL H Creatinine b 374 80 - 203 umol/L H Urea (BUN) 38.3 5.7 - 13.2 mmol/L Phosphorus 1.4 0.9 - 2.0 mmol/L Calcium 2.6 2.2 - 2.7 mmol/L L Sodium 144 147 - 157 mmol/L L Potassium 3.1 3.7 - 5.2 mmol/L H Na: K Ratio 46 29 - 42 L Chloride 100 114 - 126 mmol/L Total Protein 79 63 - 88 g/L Albumin 32 26 - 39 g/L Globulin 47 30 - 59 g/L Albumin: Globulin Ratio 0.7 0.5 - 1.2 Cholesterol 6.6 2.4 - 7.9 mmol/L Hemolysis Index + Icterus Index Normal Lipemia Index Normal Urinalysis and Cultures have all been negative and sp. gravity ranges between 1.012 and 1.015 Previous Ultrasound report from OVC 2019 : Blood pressure taken in the room with owners. Read 177/154 (164), 92/69 (84), 112/78 (86), 181/156 (162), 150/102 (123). Ultrasound report: Hepatobiliary: No abnormalities. Splœn: The splen is mildly heterogeneous, however is overall normal in size. Uroqenital: Bilaterally there is a mild loss of renal corticomedullary definition. ;There are a few punctaæ hyperechoic foci within the renal œrtices. Hyperechoic streaks are prœent within the left renal œrtex and a thin linear hyperechoic structure approximaæly 2.3 mm in length is prœent within the left renal pelvis. Faint streaks are present in the right renal cortex. There is no evidencœ of pyelectasia. The urinary bladder is normal. Adrenal Glands: No abnormality. Gastrointestinal: No abnormalities Pancreas: No abnormalities Lymph Nodes: No abnormalities. Nesentery and Peritoneal Space: No abnormalities Vasculature: No abnormalities Urocystocentesis was performed with a 22 gauge needle without complication. Interpretation: 1. Mild bilateral renal degenerative change with mineralizaiton and suspected fat streaking in the renal corticœ 2. Mild heterogeneous splenopathy - either incidental variation or evidencœ of benign change such as lymphoid hyperplasia or extramedullary hematoçoiœis. Neoplasia is unlikely HR 189 RR 38

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

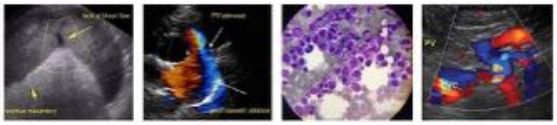
The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended. A scant amount of suspended echogenic debris is observed within the lumen. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

The left kidney is normal size (3.54 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is diffusely and variably thickened and there is moderate loss of corticomedullary distinction. Hyperechoic shadowing diverticular foci are visualized. There is no evidence of pyelectasia, infarcts or hydroureter. Renal vasculature is normal.

The right kidney is normal size (3.73 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is diffusely and variably thickened and there is moderate loss of corticomedullary distinction. Hyperechoic shadowing diverticular foci are visualized. There is no evidence of pyelectasia, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size (0.30 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.



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The right adrenal gland is normal in size (0.43 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (0.69 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately distended. The wall is thin and smooth. A small amount of suspended echogenic debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

ULTRASONOGRAPHIC FINDINGS

The bilateral renal changes are consistent with chronic interstitial nephrosis/nephritis with dystrophic mineralization.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Serial monitoring of renal values and blood pressure is recommended. A prescription renal diet should be considered, if not already in use.

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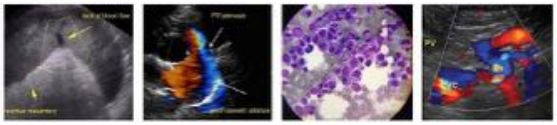

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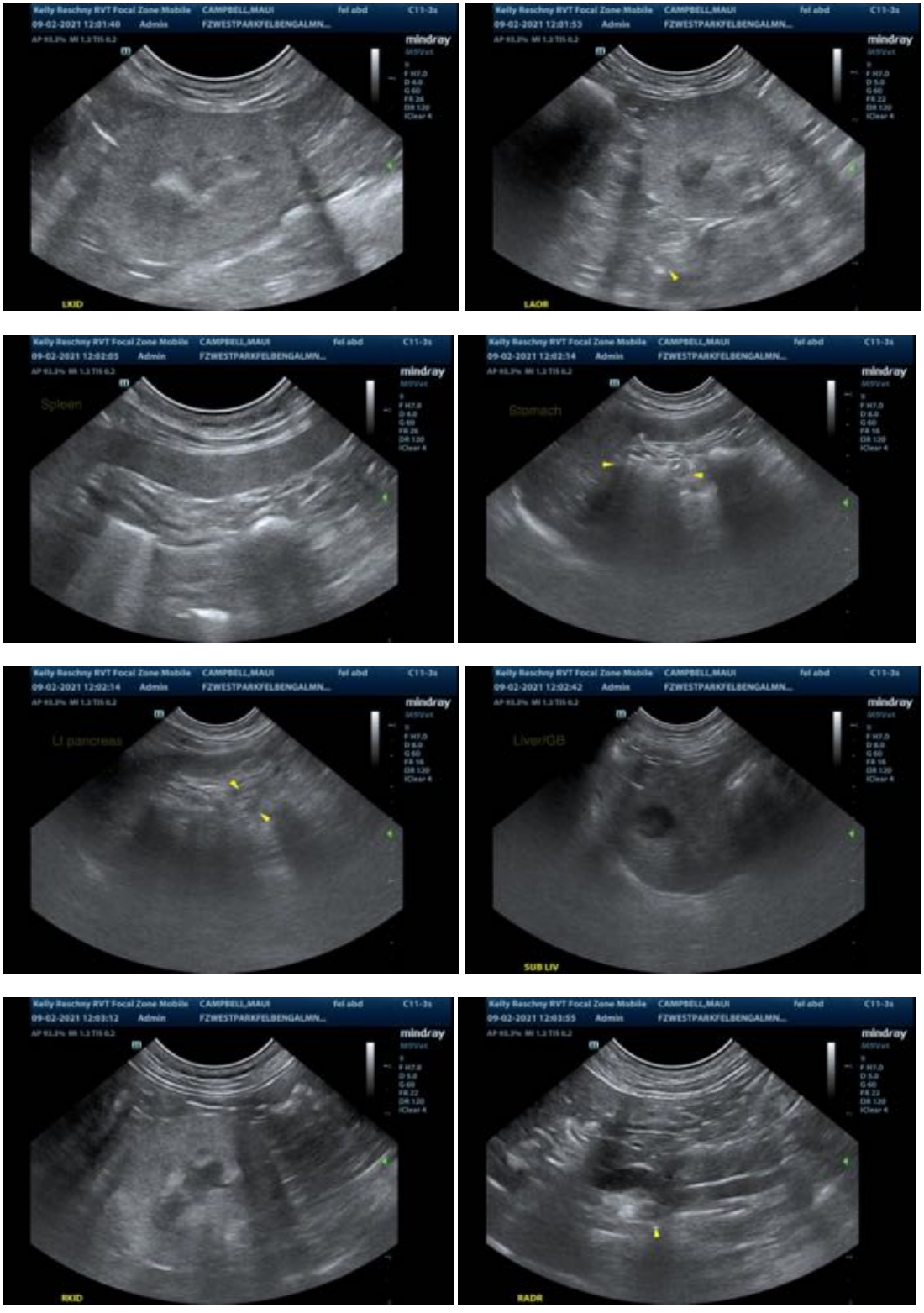

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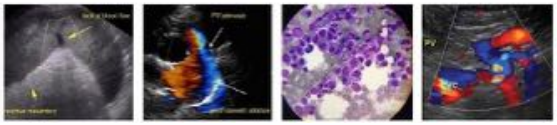

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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

Andrea.nicastro@sonopath.com