



PATIENT

Charlie Bendock

PRESENTING CLINICAL SIGNS

Weight loss. Possible Feline Hyperaesthesia Syndrome. 2018: ureterolith passed (R). Feb 2021: Behavioural change: aggression towards dog in the house. Nail avulsion at the time, but resolved at the time. Since this time, P has gone from being a robust, friendly cat to a highly cautious patient. Ears always twitching, no scratching a lot and skin issues ensued from the scratching. Chewing action (mastication) produces a clicking sound like bone on bone. July 2021: Abdominal scan with DACVIM: R kidney small. Otherwise nsf. Dec 2021: Horner's after treatment with Claro for otitis AU. Presenting today for new front leg lameness: acute on chronic DJD. 104 suspected cervical resorption on the palatine aspect.

SPECIES

Feline

BREED

Maine Coon

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Neutered Male

The **urinary bladder** was unremarkable with anechoic urine. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction. No evidence of calculi.

AGE

12 Years

The **left kidney** was swollen and measured 4.0 cm with minor pyelectasia without hydroureter. Loss of corticomedullary definition noted. Subjectively mild to moderate degenerative changes.

WEIGHT

12.23 Pounds

The **right kidney** was subnormal in size, measuring 2.5 cm with pyelectasia and cortical infarcts. Moderate degenerative changes. Pelvic calculi noted. Subnormal blood flow on color flow assessment. Inflammatory pattern noted around the proximal right ureter with a linear mineralized focus and inflammation extending approximately 2.0 cm caudal from the right renal pelvis. Partial obstructive pattern.

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

The **right adrenal gland** was mildly heterogeneous and slightly swollen, possibly owing to stress. The right adrenal gland measured 6.0 mm in width. The region of the **left adrenal gland** was imaged, no evident pathology.

HOSPITAL NAME

Back Bay Vet Clinic

Spleen

The **spleen** was mildly enlarged (1.0 cm in width) with uniform, but subtly micronodular parenchyma, and undulating capsular contour. This is consistent with reactive spleen owing to immune stimulus or early infiltrative disease such as mast cell disease or lymphoma. 25-gauge FNA would be ideal if weight loss is an issue to differentiate early round cell neoplasia versus splenitis or reactive spleen all of which can present in this manner.

REFERRING VET

Dr. Bendock

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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PATIENT *Gastrointestinal*

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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Feline

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

BREED

Maine Coon

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered Male

- Partially obstructed right proximal ureter with secondary minor pyelectasia of the right kidney. Moderate degenerative changes of the right kidney with infarcts.
- Swollen left kidney with pyelectasia
- Slightly swollen right adrenal gland
- Micronodular spleen

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 Years

FNA of the spleen warranted if any weight loss is an issue. Behavioral changes may be pain related owing to the right kidney and proximal right ureter, as there appears to be an inflammatory pattern in that region. Blood pressure measurements warranted. Palpation of the region of the right and caudal to the right kidney recommended to assess for discomfort.

WEIGHT

12.23 Pounds

SUB placement could be considered in this patient, but the right renal pelvis is unlikely to be dilated enough for SUB placement at this point. Supportive care warranted, treatment for any evidence of UTI, and pain management. Surgical intervention could be considered. However, the proximal right ureter may be significantly compromised given the inflammatory pattern and the embedded sand.

INTERPRETED BY

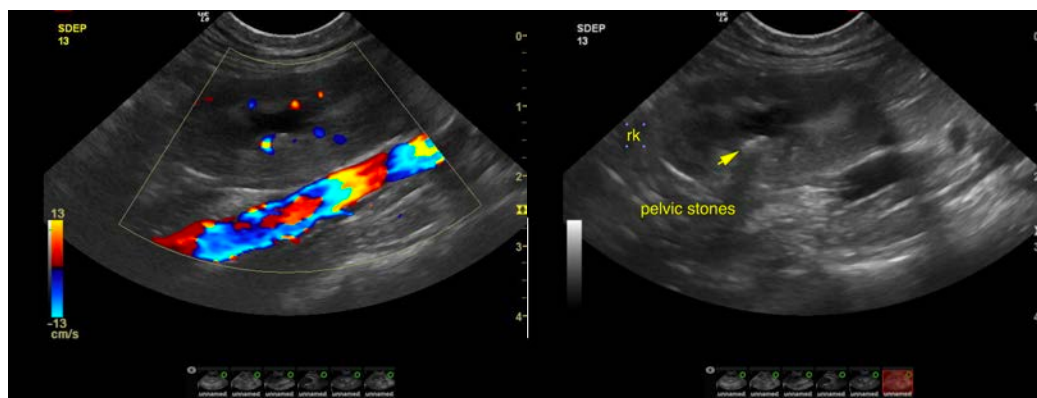
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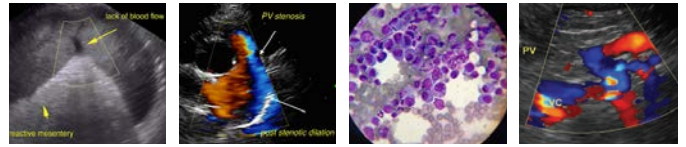


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Neutered Male

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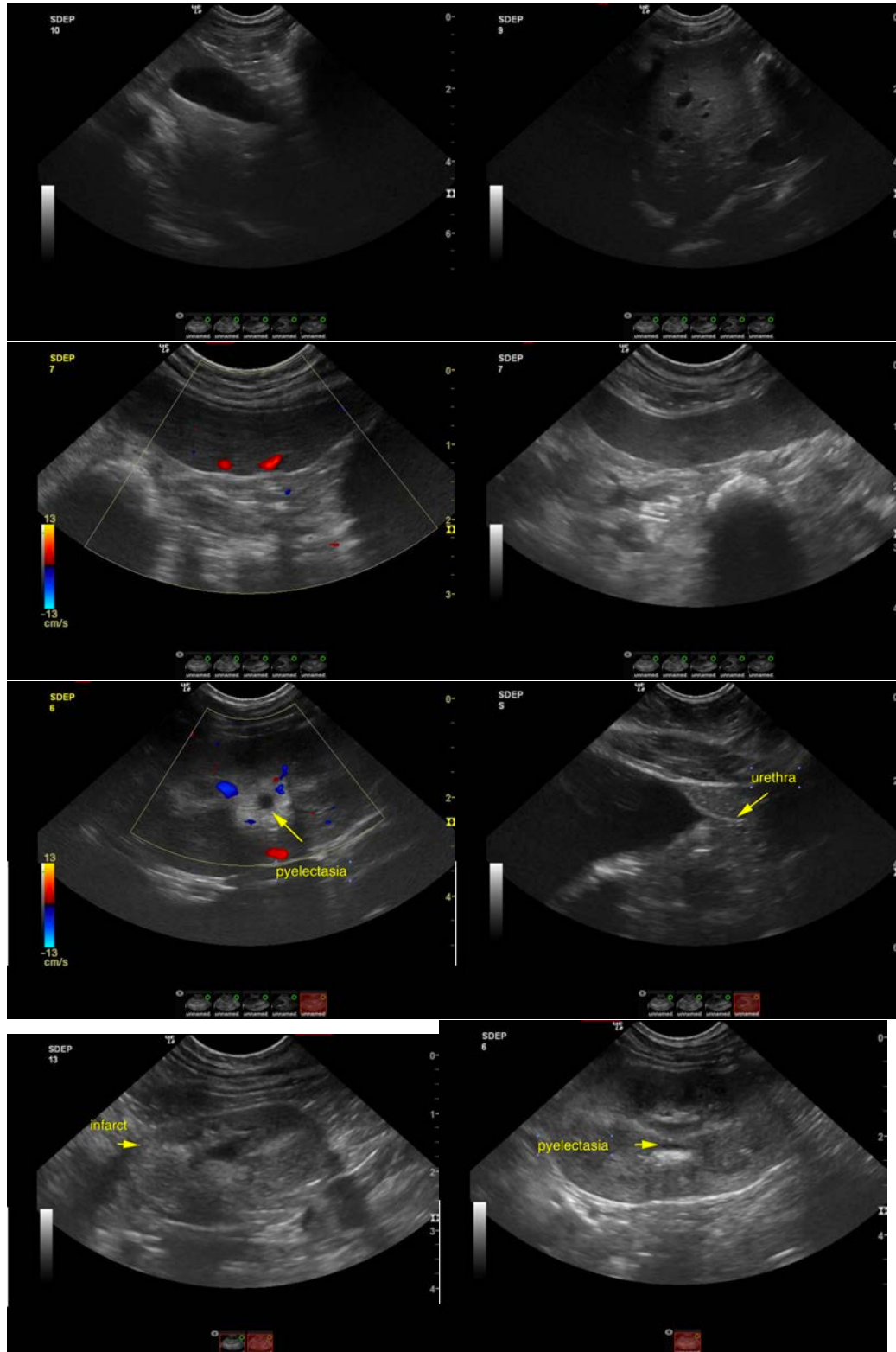
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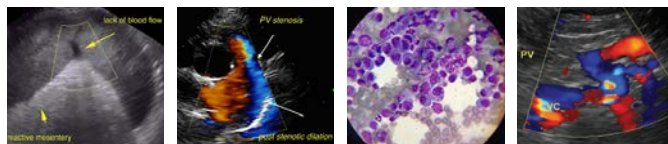
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Feline

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.

BREED

Maine Coon

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

SEX

Neutered Male

AGE

12 Years

WEIGHT

12.23 Pounds

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