


PATIENT PRESENTING CLINICAL SIGNS

Ignatious Giammarco

Went to emergency clinic 11/13 for vomit and diarrhea. Blood present in stool. Blood in urine and straining to urinate. Previous Hx of struvite crystalluria with no stones. Had AFAST at emergency facility, note irregularity at bladder neck seen as 'cystic mass type lesion occupying 80% of lumen at bladder neck', no stones or sludge in bladder. Patient was discharged with medications and told to change diet. Ampicillin 22mg/kg IV TID, Metronidazole 15mg/kg IV BID, Cerenia 1mg/kg IV SID, Buprenorphine 0.01mg/kg IV BID

SPECIES

Canine

BREED

Lhasa Apso

SEX

Neutered Male

AGE

7 Years

WEIGHT

9.2 kg

INTERPRETED BY

 R. McKenzie Daniel, DVM,
 DABVP (Canine and
 Feline)

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

BPH Stoney Creek

REFERRING VET

Dr. Wittenrich

INVOICE

29860

DATE

11/17/21

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

The urinary bladder was normal in overall size and tone. A sessile based mass lesion in the area of the ventral trigone exhibited subtle non-homogeneous yet non-mineralized parenchyma and concurrent subjective cystic component. The mass measured approximately 2.5 cm x 2.0 cm. Concurrent areas of mild, primarily ventral mural hypertrophy exhibiting homogeneous echotexture also noted. Power doppler assessment of the mass indicated existence of blood flow within the mass. Mild particulate urinary bladder sediment was present without evidence of calculi. The cystourethral junction and proximal urethra exhibited normal structure and tone to a depth of 2.0 cm. The residual prostate was sonographically unremarkable.

No overt pathology including no overt evidence of medial iliac or sublumbar lymphadenopathy in the area of the iliac trifurcation

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.6 cm. The right kidney measured 5.0 cm.

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.39 cm at the cranial pole and 0.38 cm at the caudal pole. The right adrenal gland measured 0.90 cm at the cranial pole and 0.50 cm at the caudal pole.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

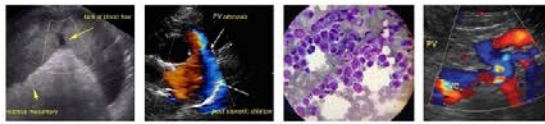
Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.



PATIENT Ignatious Giammarco
The colon exhibited intact yet subjective mild prominent walls and primarily empty lumen with mild luminal gas.

Pancreas

SPECIES Canine
The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

BREED Lhasa Apso
ULTRASONOGRAPHIC FINDINGS

- Sessile based mass lesion exhibiting focal to mild cystic component in the area of the dorsal trigone, concurrent areas of minor non-associated ventral wall hypertrophy and minor particulate urinary bladder sediment

SEX Neutered Male
Mild gastroenterocolitis pattern – suspect resolving.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This study confirms the presence of a non-homogeneous to mildly cystic mass lesion in the area of the dorsal trigone along with additional areas of ventral urinary bladder mural hypertrophy. Considerations may include regional moderate to significance cystitis or polypoid cystitis with potential for neoplasia.

Screening BRAF assay may be considered. However, if negative, biopsy of this lesion would be required for definitive diagnosis. Urine culture and sensitivity is suggested if not done. Empirically, assuming normal renal function, Piroxicam trial +/- as needed analgesic (given the stranguria) with sonographic monitoring of the mass lesion would be a more conservative approach. Given the potential for urinary bladder neoplasia, no overt evidence of regional metastasis.

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and Feline)

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

BPH Stoney Creek

REFERRING VET

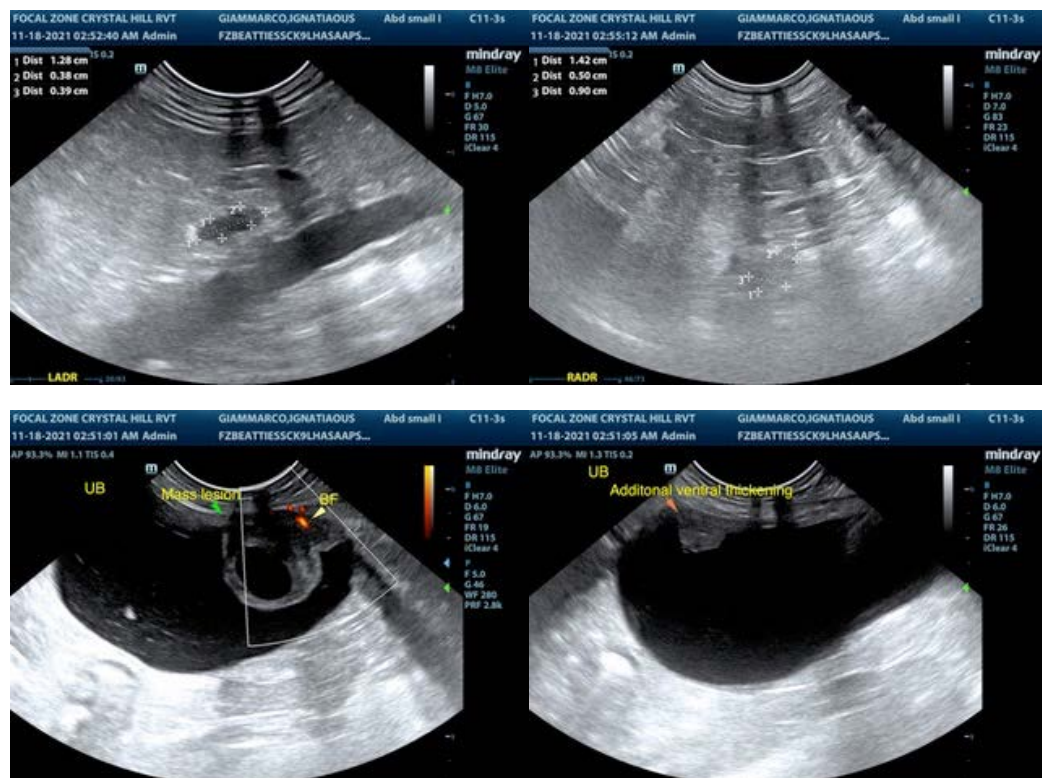
Dr. Wittenrich

INVOICE

29860

DATE

11/17/21





PATIENT
Ignatious Giammarco

SPECIES
Canine

BREED
Lhasa Apso

SEX
Neutered Male

AGE
7 Years

WEIGHT
9.2 kg

INTERPRETED BY
R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

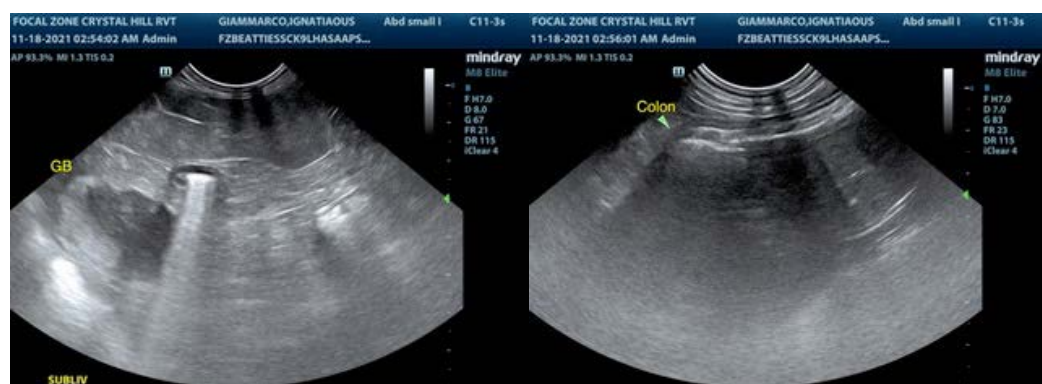
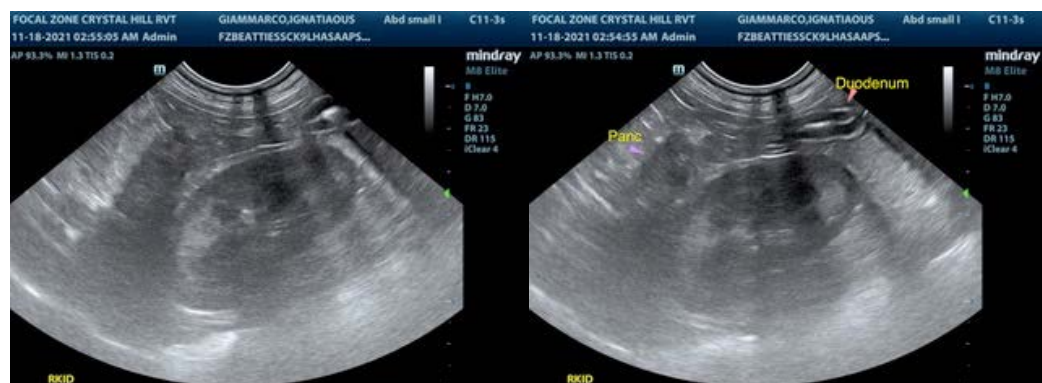
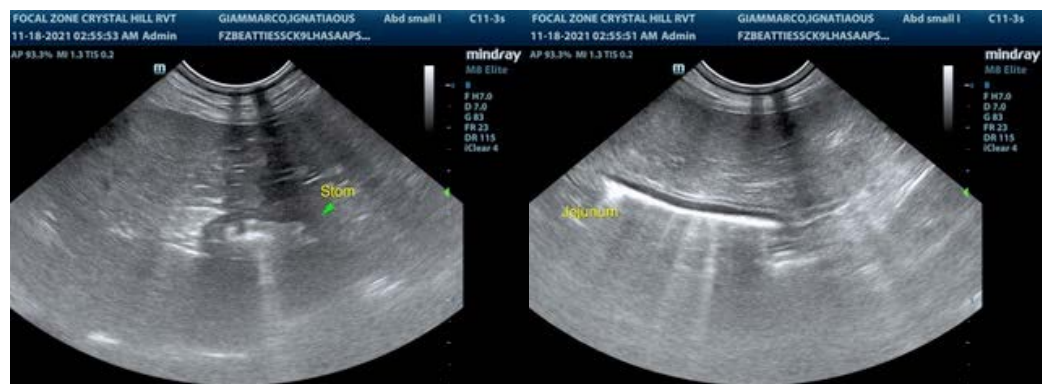
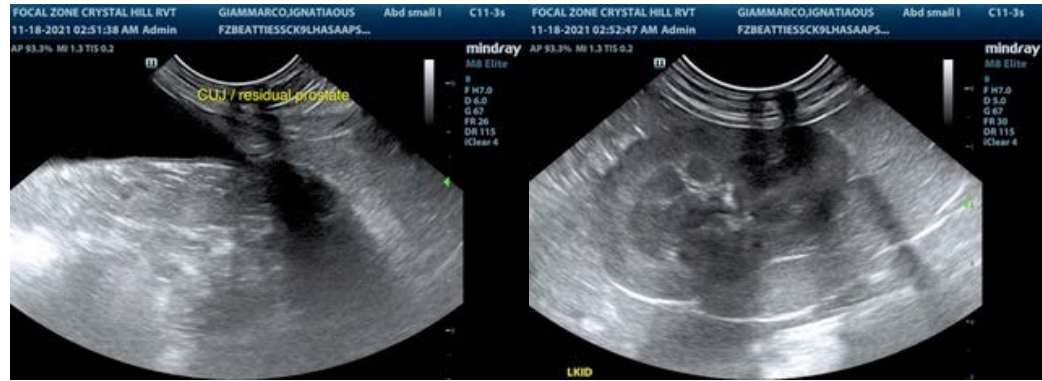
**IMAGING
PERFORMED BY**
Crystal Hill

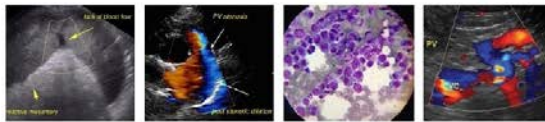
HOSPITAL NAME
BPH Stoney Creek

REFERRING VET
Dr. Wittenrich

INVOICE
29860

DATE
11/17/21





PATIENT

Ignatious Giammarco

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

Canine

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

Lhasa Apso

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Neutered Male

AGE

7 Years

WEIGHT

9.2 kg

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

BPH Stoney Creek

REFERRING VET

Dr. Wittenrich

INVOICE

29860

DATE

11/17/21