



PATIENT	PRESENTING CLINICAL SIGNS
Chaos South Pointe	Ongoing history of mega colon and hematuria / strangaluria
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Feline	Urinary System
BREED	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
DSH	
SEX	The area of the aortic trifurcation was free of pathology.
Female Spay	
AGE	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Scant pyelectasia was present in both kidneys. Mild left and right ureter dilation exiting the left and right kidneys respectively was present with potential extension of mildly dilated left ureter 4.0-5.0 cm caudal of the left kidney. Proximal left ureter dilation measured 0.30 cm. Proximal right ureter dilation measured 0.17 cm. The left kidney measured 3.5 cm in length. The right kidney measured 4.1 cm in length.
14	
WEIGHT	
4.7 kg	
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.37 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.41 cm width.
IMAGING PERFORMED BY	Spleen
Dr. Belan	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.
HOSPITAL NAME	Liver/ Gallbladder
South Pointe VC	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild gallbladder debris. The gallbladder debris is nonspecific yet likely incidental, potential secondary to fasting or nonclinical cholestasis. The cystic and common bile ducts were normal.
REFERRING VET	Gastrointestinal
Dr. James	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 gastric body wall width measured 0.26 cm.
INVOICE	
13891	
DATE	
5/17/22	



PATIENT	The small intestine presented intact wall layering and primarily maintained a 1:3 muscularis/mucosa ratio with segmental propensity for mildly prominent segmental jejunal walls with jejunal wall width measuring up to 0.35 cm. The duodenum wall width measured 0.28 cm. The ileocolic junction wall measured 0.42 cm, without evidence of ileocolic mural pathology.
Chaos South Pointe	
SPECIES	
Feline	The visualized descending colon was sonographically normal containing formed feces. The descending colon wall width measured 0.13 cm.
BREED	<i>Pancreas</i>
DSH	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 were evident.
SEX	<i>Free Abdomen</i>
Female Spay	Intermittent jejunocolic lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a colic lymph node measured 0.79 cm diameter. Subtle evidence of peri ileocolic and perilymphatic reactive mesentery was noted. No free fluid was noted.
AGE	
14	
WEIGHT	ULTRASONOGRAPHIC FINDINGS
4.7 kg	<ul style="list-style-type: none"> • Mild chronic renal changes with scant pyelectasia • Suspect left and right ureteritis • Sonographically unremarkable urinary bladder and visible proximal urethra • Mild nonspecific yet subjectively benign jejunocolic lymphadenopathy, possible segmental inflammatory enteropathy • Sonographically unremarkable descending colon
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Given the lack of lower urinary tract pathology i.e., evidence of cystitis, neoplastic criteria, calculi, etc., the reported hematuria in this patient may be renal in origin potentially secondary to nonspecific nephritis i.e., pyelonephritis, or other with concurrent left and right ureteritis. No overt evidence of left or right ureter obstructive pathology i.e., calculi, stricture, mass, although the possibility of emerging left, right, or bilateral ureteral obstruction, although is thought less likely, cannot be definitively excluded. Sonographic monitoring of the left and right ureter, as well as for evidence of progressive pyelectasia, is likely ideal. Full urinary workup including urinalysis, culture and sensitivity and baseline UPC level, given the quiet urinary bladder sediment, is warranted.
IMAGING PERFORMED BY	
Dr. Belan	
HOSPITAL NAME	
South Pointe VC	
REFERRING VET	
Dr. James	
INVOICE	
13891	Although nonspecific, the small intestine exhibited potential for subtle mural changes which may be a normal patient variant although may suggest underlying segmental inflammatory enteropathy if previous or current history of gastrointestinal signs or evidence of weight loss.
DATE	
5/17/22	



PATIENT

Chaos South Pointe

SPECIES

Feline

BREED

DSH

SEX

Female Spay

AGE

14

WEIGHT

4.7 kg

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

South Pointe VC

REFERRING VET

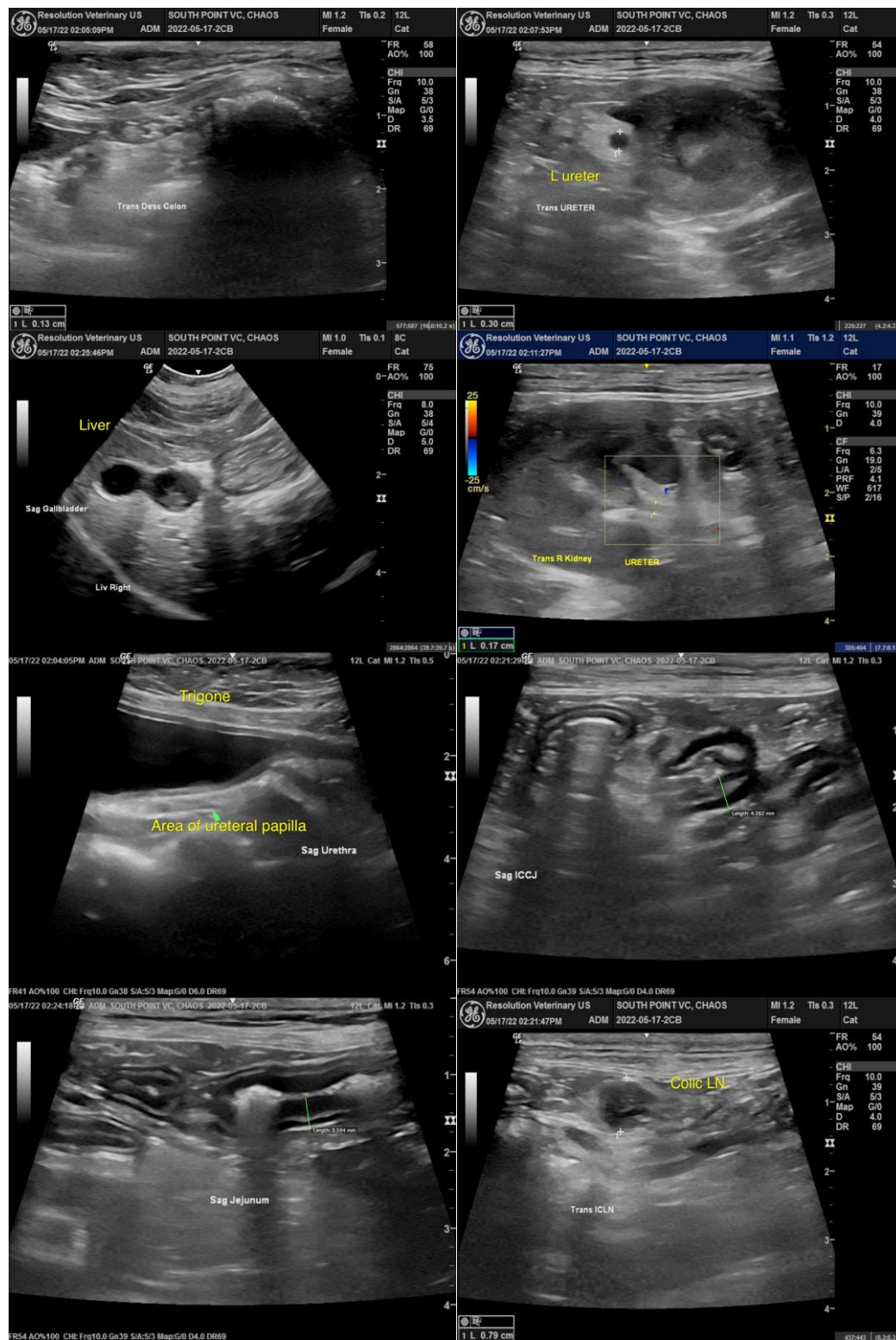
Dr. James

INVOICE

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PATIENT

Chaos South Pointe

SPECIES

Feline

BREED

DSH

SEX

Female Spay

AGE

14

WEIGHT

4.7 kg

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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.

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