



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Lucy Lint	Elevated SDMA noted on pre-op bloodwork before spay on 10/11. Repeat bloodwork day of spay showed continued elevated SDMA and inappropriate urine concentration. Ultrasound performed instead of OHE today to assess for abnormalities.
<b>SPECIES</b>	
Canine	Abnormal PE/Chem/CBC/UA Results: 10/11 CBC/Chem - SDMA 16.7 (Creat 0.7, BUN 17 WNL) - ALP 173 11/4 - SDMA 20.0 - USG 1.024
<b>BREED</b>	
Bichon Poodle Mix	
<b>SEX</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Female Intact	<b>Urinary System</b>
<b>AGE</b>	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 evidence of urine or lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
5 mos	
<b>WEIGHT</b>	There is no evidence of pathology in the area of the uterus or bilateral ovaries.
5.3 lbs.	No evidence of pathology in the area of the aortic trifurcation.
<b>INTERPRETED BY</b>	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 3.3 cm in length. The right kidney measured 3.3 cm in length. No evidence of pyelectasia was noted in either kidney.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
<b>IMAGING PERFORMED BY</b>	<b>Adrenal Glands</b>
Tiffany Brady DVM	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.27 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.25 cm width at the caudal pole.
<b>HOSPITAL NAME</b>	
Shiloh Veterinary Hospital	
<b>REFERRING VET</b>	<b>Spleen</b>
Tiffany Brady DVM	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.
<b>INVOICE</b>	
10285	<b>Liver/ Gallbladder</b>
<b>DATE</b>	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
11/4/25	



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## BREED

Bichon Poodle Mix

## SEX

Female Intact

## AGE

5 mos

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## INTERPRETED BY

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DVM, DABVP  
(Canine and Feline)

## IMAGING PERFORMED BY

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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 contained variably echogenic, nonshadowing ingesta without signs of obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Similar appearing, segmental, mild, nonshadowing ingesta was present to the level of the colon.

Normal visible colon wall layers were present with apparent formed feces in lumen.

### ***Pancreas***

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.

### ***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

## **ULTRASONOGRAPHIC FINDINGS**

- Sonographically normal bilateral kidneys
- Gastrointestinal ingesta - consistent with food echogenicity
- Sonographically normal liver

## **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No sonographic evidence of architectural renal disease, i.e., dysplasia, as well as no evidence of pyelonephritis. Continued monitoring of SDMA and urine specific gravity trend to assess for potential microscopic renal disease is recommended. If surgery is elected, appropriate perioperative renal support and monitoring of renal parameters / systemic BP is recommended.



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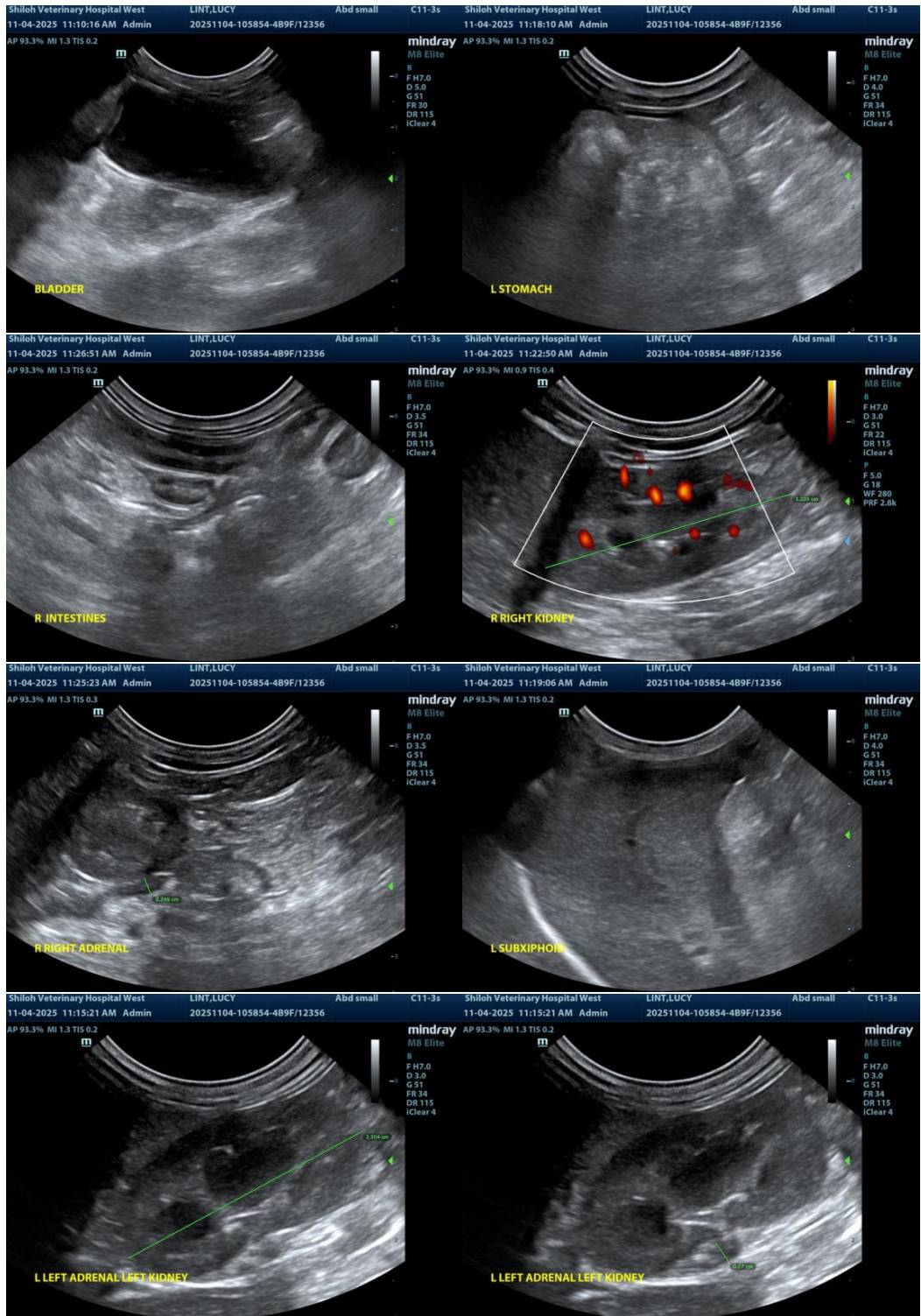
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**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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.

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**

[info@sonopath.com](mailto:info@sonopath.com)