



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Poncho Goldstien	Sensitive diet, and on a hydrolyzed diet. Calcium Oxalate Urolithiasis. Microhepatia. Seminoma Of Testis.
<b>SPECIES</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Canine	<b>Urinary System</b>
<b>BREED</b>	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with mild dependent non-obstructive mineral in the area of the trigone and cystourethral junction. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.
Havanese	
<b>SEX</b>	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. No evidence of pelvic dilation was present. Non-obstructive small medullary nephroliths were present.
M	The left kidney measured 4.5 cm in length. The right kidney measured 4.5 cm in length.
<b>AGE</b>	
13yr	The area of the aortic trifurcation was free of pathology.
	The area of the prostate appeared normal and free of pathology.
<b>WEIGHT</b>	<b>Adrenal Glands</b>
20.3lb	The bilateral adrenal glands were mildly prominent in size based on caudal pole width and body weight. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.66 cm width in the cranial pole and 0.9 cm width in the caudal pole. The right adrenal gland measured 0.63 cm width in the cranial pole and 0.7 cm width in the caudal pole. No adrenal tumors.
<b>INTERPRETED BY</b>	<b>Spleen</b>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.
<b>IMAGING PERFORMED BY</b>	<b>Liver/Gallbladder</b>
Dr. Petrone	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. Subjective adequate to mildly subnormal vascular volume was present. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and mild hyperechoic possibly mineralizing non-organized debris in the caudal lumen gallbladder neck. The cystic and common bile ducts were normal.
<b>HOSPITAL NAME</b>	
Long Branch AH	
<b>REFERRING VET</b>	
Dr. Petrone	
<b>INVOICE</b>	
13498ag	
<b>DATE</b>	<b>Gastrointestinal</b>
04/17/2023	



**PATIENT**

Poncho Goldstien

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.

**SPECIES**

Canine

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.

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

**Pancreas**

**BREED**

Havanese

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.

**SEX**

M

**Free Abdomen**

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

**AGE**

13yr

**ULTRASONOGRAPHIC FINDINGS**

- Mild non-obstructive urinary bladder mineral.
- Bilateral chronic renal changes with non-obstructive medullary nephroliths.
- Hepatic parenchyma remodeling with adequate to mildly borderline subnormal hepatic volume.
- Mild hyperechoic to mineralized gallbladder debris (non-mucocele).
- Sonographically unremarkable GI tract/colon.

**WEIGHT**

20.3lb

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

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

Overall, largely a geriatric abdomen with no overt evidence of significant abdominal visceral pathology including no evidence of primary or metastatic neoplastic criteria.

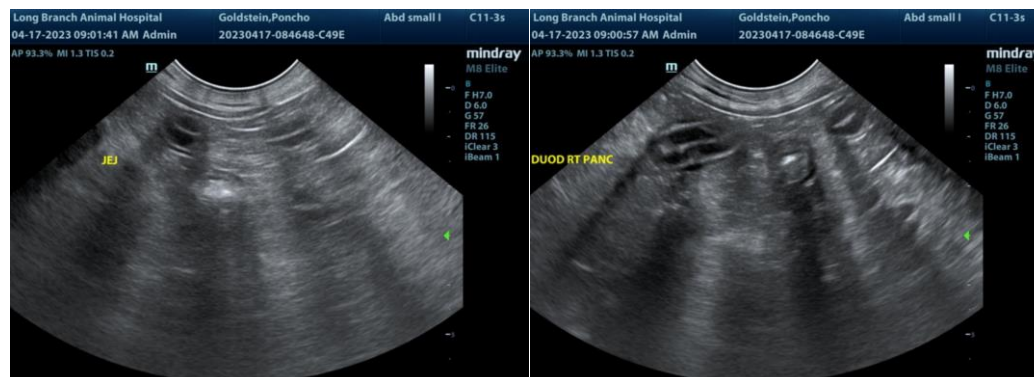
**IMAGING PERFORMED BY**

Dr. Petrone

This patient is likely passing mineral from the kidneys into the urinary bladder. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. A urinary diet may prove beneficial. Hepatosupportive medications such as Denamarin and Ursodiol may be considered if evidence of cholestasis.

**HOSPITAL NAME**

Long Branch AH



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Canine

**BREED**

Havanese

**SEX**

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**AGE**

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**WEIGHT**

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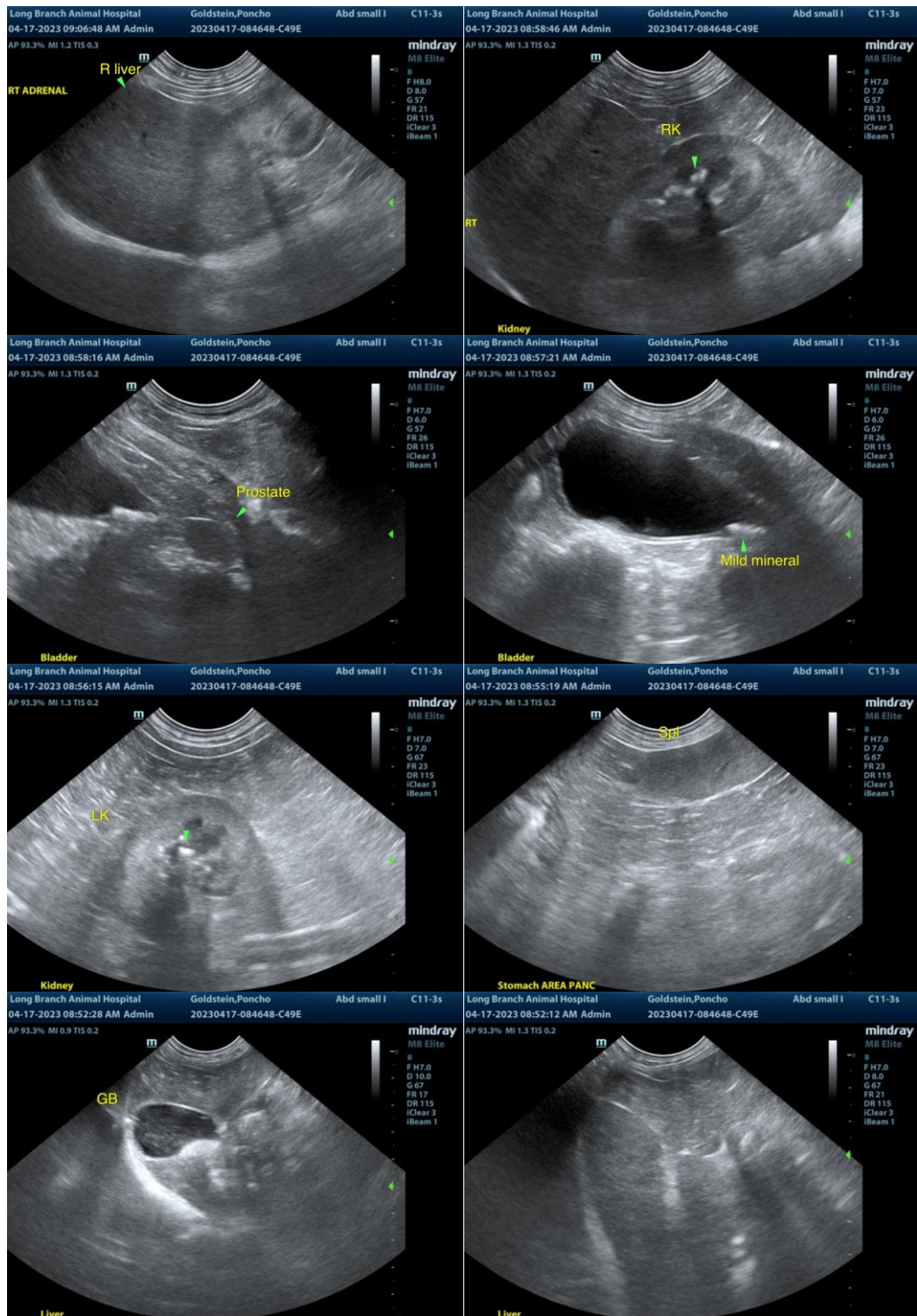
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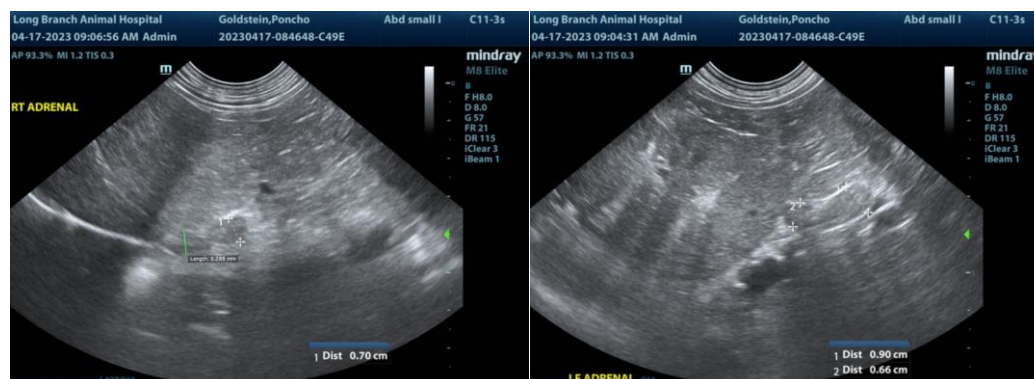
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)  
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