



**PATIENT PRESENTING CLINICAL SIGNS**

Boi Kat Thompson Muscle wasting over top line chronic overgrooming occasional vomiting  
Abnormal PE/Chem/CBC/UA Results: Current Medications Dasuquin, Gabapentin, Cerenia

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Feline

**Urinary System**

BREED

Urinary bladder is adequately distended. It has a normal uniform wall thickness. Contents include primarily anechoic fluid with occasional echogenic non-shadowing debris, most consistent with incidental suspended lipid in a cat, possibly combined with exfoliated cells, mucous and/or small blood clots. Both sterile inflammation as well as urinary tract infection can also present with echogenic debris. No masses or cystoliths are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

DSH

SEX

Neutered Male

AGE

16 Years

Kidneys are bilaterally uniformly enlarged/swollen with an overall hyperechoic echogenicity and slight loss of corticomedullary definition. Normal smooth peripheral margination and shape are maintained. The renal pelvis are dilated with anechoic fluid and hyperechoic thickened pelvic fat. No overt evidence of neoplasia or mineral is observed. The perinephric area is enhanced by hyperechoic fat and mesentery. The right kidney measures 4.61 cm. The left kidney measures 3.92 cm.

WEIGHT

14.56 Pounds

**Adrenal Glands**

The right adrenal gland is normal in size (0.58 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

**INTERPRETED BY**

Beth Johnson, DVM  
DACVIM

The left adrenal gland is normal in size (0.33 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

**Spleen**

**IMAGING PERFORMED BY**

Sara Hansen

The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

**Liver**

**HOSPITAL NAME**

H&H Vet Care

The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

**REFERRING VET**

Dr. Henery

The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.

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**Gastrointestinal**

The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

**DATE**

11/10/22

The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions



<b>PATIENT</b>	per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.
Boi Kat Thompson	
<b>SPECIES</b>	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
Feline	<b><i>Pancreas</i></b>
<b>BREED</b>	The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.
DSH	
<b>SEX</b>	<b><i>Free Abdomen</i></b>
Neutered Male	There is no evidence of free peritoneal effusion noted in these images.
<b>AGE</b>	There is no apparent lymphadenopathy noted in these images.
16 Years	
<b>WEIGHT</b>	<b>PRIMARY FINDINGS</b>
14.56 Pounds	<ul style="list-style-type: none"> <li>• <b>Pyelonephritis</b> – These changes are most consistent with chronic pyelonephritis. Chronic scarring and fibrosis and/or chronic nephrolith passage can also result in these pelvic dilation changes. Early infiltrative disease cannot be ruled out but is considered less likely.</li> <li>• <b>Urinary bladder debris</b> – The debris present appears more significant than is seen with typical suspended lipid in a cat.</li> </ul>
<b>INTERPRETED BY</b>	<b><u>INTERPRETATION OF THE FINDINGS &amp; FURTHER RECOMMENDATIONS</u></b>
Beth Johnson, DVM DACVIM	A general metabolic health screen with close attention paid to the kidneys is recommended if not recently evaluated in the form of a CBC/Chem panel and electrolytes.
<b>IMAGING PERFORMED BY</b>	Urinalysis and, if indicated based on urinalysis results, urine culture are recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ration is recommended.
Sara Hansen	Given the muscle wasting, thyroid evaluation is also recommended with a T4 and free T4, and ultimately if still looking for an underlying cause, investigation of gastrointestinal function is recommended, beginning with a gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory.
<b>HOSPITAL NAME</b>	
H&H Vet Care	
<b>REFERRING VET</b>	
Dr. Henery	
<b>INVOICE</b>	
42733	
<b>DATE</b>	
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**PATIENT**

Boi Kat Thompson

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

16 Years

**WEIGHT**

14.56 Pounds

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Sara Hansen

**HOSPITAL NAME**

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**REFERRING VET**

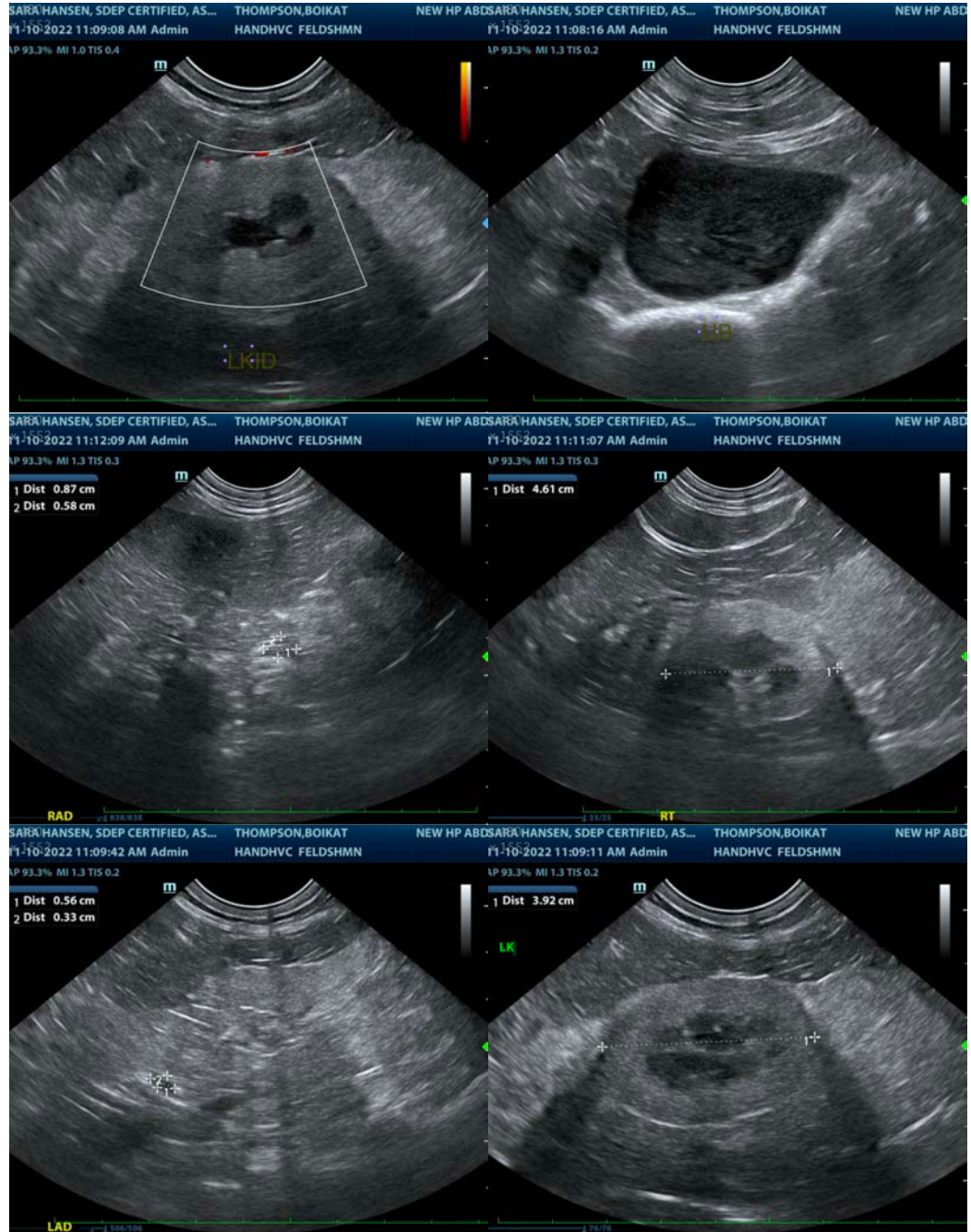
Dr. Henery

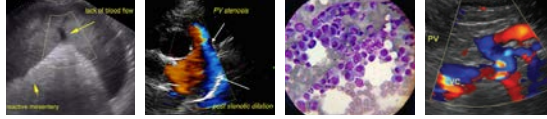
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**PATIENT**

Boi Kat Thompson

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.

**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**

DSH

**Beth Johnson, DVM, DACVIM**

Beth.Johnson@sonopath.com

**SEX**

Neutered Male

**AGE**

16 Years

**WEIGHT**

14.56 Pounds

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DACVIM

**IMAGING  
PERFORMED BY**

Sara Hansen

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