



PATIENT

Ziggy Stoner

SPECIES

Canine

BREED

Havanese

SEX

Spayed Female

AGE

9 Years

WEIGHT

15 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Megan Cassels-Conway

HOSPITAL NAME

Central Broward AH

REFERRING VET

Dr. Janeen Lezcano

INVOICE

43609

DATE

12/21/22

PRESENTING CLINICAL SIGNS

P has hx of recurrent UTI (E coli)
Abnormal PE/Chem/CBC/UA Results: PE : WNL. 4/22: CBC: WNL, Chem: creat: 1.1, T4: 1.6, UA: SG: 1.009L, quiet sediment ever since 8/22 p has had persistent E coli UTI in spite of tx for 4 weeks w Clavamox (as per UCS), starting probiotics, canned c/d. Abd rads were normal. E coli has now developed resistance to Clavamox, currently being tx w Enrofloxacin.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

The left kidney has a normal shape and size (4.1 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney has a normal shape and size (4.41 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size measuring .046 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

The right adrenal gland is normal in size measuring 0.45 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

Spleen

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

Liver

The liver is normal/borderline small, with normal echogenicity and smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.



PATIENT

Gastrointestinal

Ziggy Stoner

The stomach contains mild fluid. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

SPECIES

Canine

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.)

BREED

Havanese

Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

SEX

Spayed Female

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

AGE

9 Years

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

Free Abdomen

WEIGHT

15 Pounds

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

Beth Johnson, DVM
DACVIM

- Borderline small liver – This could very well be a normal liver for this small dog. Correlate with liver function test.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Dr. Megan Cassels-Conway

Today's scan appears relatively normal. No lesions are visualized associated with the urinary tract to explain the recurrent urinary tract infections reported. This makes the likelihood of an ectopic ureter, diverticulum, or other congenital abnormality as well as stones or masses much less likely.

Unfortunately, it does not definitively rule them out.

HOSPITAL NAME

Central Broward AH

-Consider systemic causes such as diabetes, chronic renal failure, immunosuppression, cushings (steroid use) etc..

-Consider external conformational issues such as recessed/hooded vulva, chronic neurologic disease interfering with urine emptying etc..

REFERRING VET

Dr. Janeen Lezcano

-Further evaluation with cystoscopy or CT could be considered as not all lesions are evident on ultrasound.

INVOICE

43609

-Recommend starting a probiotic, frequent walks, using wipes, cranberry supplement (if E.Coli infections) and frequent urine culture/urinalysis monitoring to target antibiotic therapy and the need for treatment. (asymptomatic bactiuria Vs. bacterial cystitis)

DATE

12/21/22

Also consider if this dog truly has cystitis, as some more resistant "silent" urinary tract infections do not always need to be treated.



PATIENT

Ziggy Stoner

The liver subjectively is small, but this is a small dog and this could very well be normal. Consider pre- and-post prandial bile acids to evaluate liver function if there is any clinical concern for underlying liver pathology.

SPECIES

Canine

BREED

Havanese

SEX

Spayed Female

AGE

9 Years

WEIGHT

15 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Megan Cassels-Conway

HOSPITAL NAME

Central Broward AH

REFERRING VET

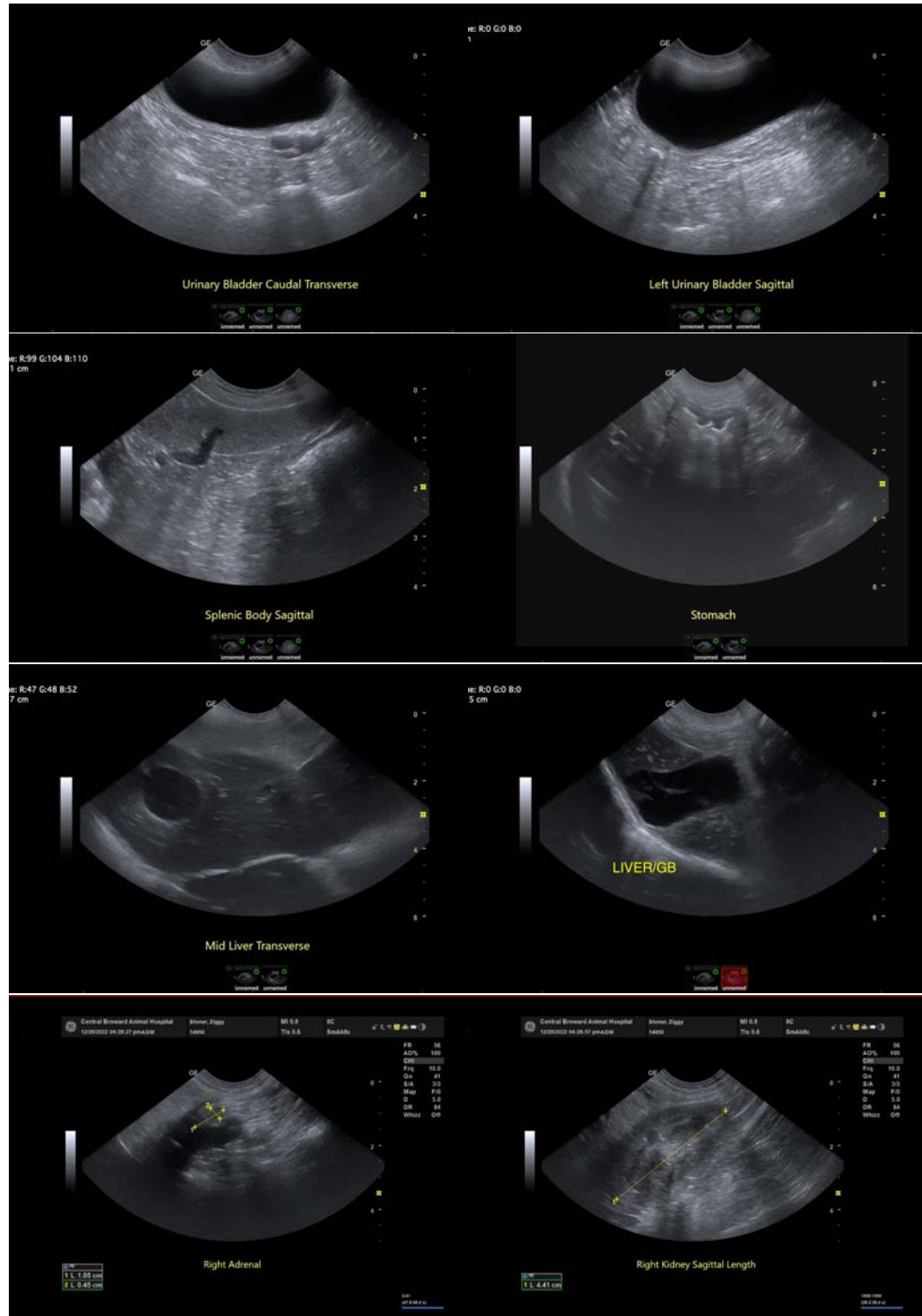
Dr. Janeen Lezcano

INVOICE

43609

DATE

12/21/22





PATIENT

Ziggy Stoner

SPECIES

Canine

BREED

Havanese

SEX

Spayed Female

AGE

9 Years

WEIGHT

15 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Megan Cassels-
Conway

HOSPITAL NAME

Central Broward AH

REFERRING VET

Dr. Janeen Lezcano

INVOICE

43609

DATE

12/21/22



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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com