

PATIENT

Piggy Grajada

PRESENTING CLINICAL SIGNS

SPECIES

Canine

BREED

Mini Pit Bull

Diagnosed with open pyometra on 3-26-22. Given 375mg clavamox Bid and 100mg carprophen Bid Vaginal discharge noticed by owners on 3-26, increased PU/PD as of this day. CBC at other vet on this date shows probably stress or inflammation or infection. NAF on chemistries. Dog did not have a pyometra. She has some kind of probable diverticulum from the urethra or vagina. Concern for ectopic or dilated ureter. Attached images from Alpine Animal Hospital from the day of the "pyometra" procedure. Given 500mg amoclav, 1 bid. Needs all vaccination
Abnormal PE/Chem/CBC/UA Results: IMAGES

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Intact Female

Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi. It is difficult to differentiate the distal urethra from the abnormal uterine body distally. Both ureteral jets are visualized but they appear to be in an atypical location.

AGE

3 Years

The left kidney has a normal shape and size (5.79 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

22.75 kg

The right kidney has a normal shape and size (6.98 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is normal in size measuring 0.54 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.

IMAGING BY

Loetitia Saint-Jacques,
LVT

The right adrenal gland is normal in size measuring 0.67 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.

HOSPITAL NAME

Roundhill AH

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.

REFERRING VET

Dr. Carl Kelly

Liver

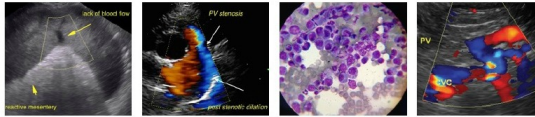
The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

INVOICE

36740

DATE

4/5/22



PATIENT

Piggy Grajada

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

SPECIES

Canine

Gastrointestinal

The stomach is moderately dilated with fluid and irregular shadowing material most consistent with normal ingesta and gas. 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 layering is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

BREED

Mini Pit Bull

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

SEX

Intact Female

AGE

3 Years

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.

WEIGHT

22.75 kg

Pancreas

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

Evaluation of the peritoneal cavity did not reveal any evidence of effusion. There are prominent lymph nodes in the caudal abdomen. The inguinal lymph node is prominent and measures 0.96 cm x 1.95 cm. The sublumbar lymph nodes are prominent with the right measuring 1.12 cm x 2.12 cm and the left measuring 0.96 cm x 2.06 cm. The omentum is generally of normal echogenicity.

INTERPRETED BY

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

Other

Both ovaries are visualized and appear relatively normal. The right measures 1.81 cm in length. The left measures 2.11 cm in length. Additionally, the uterine horns are visualized and appear well developed with minimal fluid within the lumen. As the uterine body travels distally, there is the appearance of a large, hypoechoic structure measuring 2.28 cm x 2.54 cm in cross section. This appears to be the uterine body, which appears enlarged and thickwalled. In the sagittal view, the wall in this area measures at 0.43 cm, and there is echogenic intraluminal fluid. I am unable to differentiate the urethra and uterine body at this level.

IMAGING BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Roundhill AH

ULTRASONOGRAPHIC FINDINGS

REFERRING VET

Dr. Carl Kelly

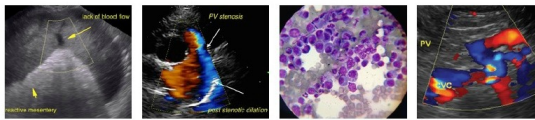
- Moderate caudal abdominal lymphadenopathy – Possible differentials include inflammation, infection, or underlying neoplasia.
- Thickened, irregular, partially fluid filled uterine body/possible congenital anomaly? – This could be a congenital anomaly, anatomic variant, a mass effect, etc. There is concern for possible infection due to the echogenic intraluminal material and the history of vaginal discharge.

INVOICE

36740

DATE

4/5/22



PATIENT

Piggy Grajada

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Other than the reproductive/urinary tract, today's exam appears relatively normal. The nature of the uterine body enlargement is unclear. The extent of the involvement with the urinary tract (ureter/urethra) additionally is unclear. Diagnosis of this irregularity will likely need advanced imaging or a contrast study. Options include:

Canine

BREED

Mini Pit Bull

- Contrast CT scan to better evaluate this lesion and its proximity to other vital structures, ureters, etc. ***This would be ideal
- Consider consultation with a veterinary surgeon regarding the ability /willingness to perform an exploratory surgery/OHE

SEX

Intact Female

- Alternately an IVP could be considered to try and determine the path of urine flow.

AGE

The distal uterus does appear thick walled and has echogenic fluid within concerning for a possible infection/ distal pyometra/heat cycle etc..

3 Years

WEIGHT

22.75 kg

INTERPRETED BY

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

IMAGING BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Roundhill AH

REFERRING VET

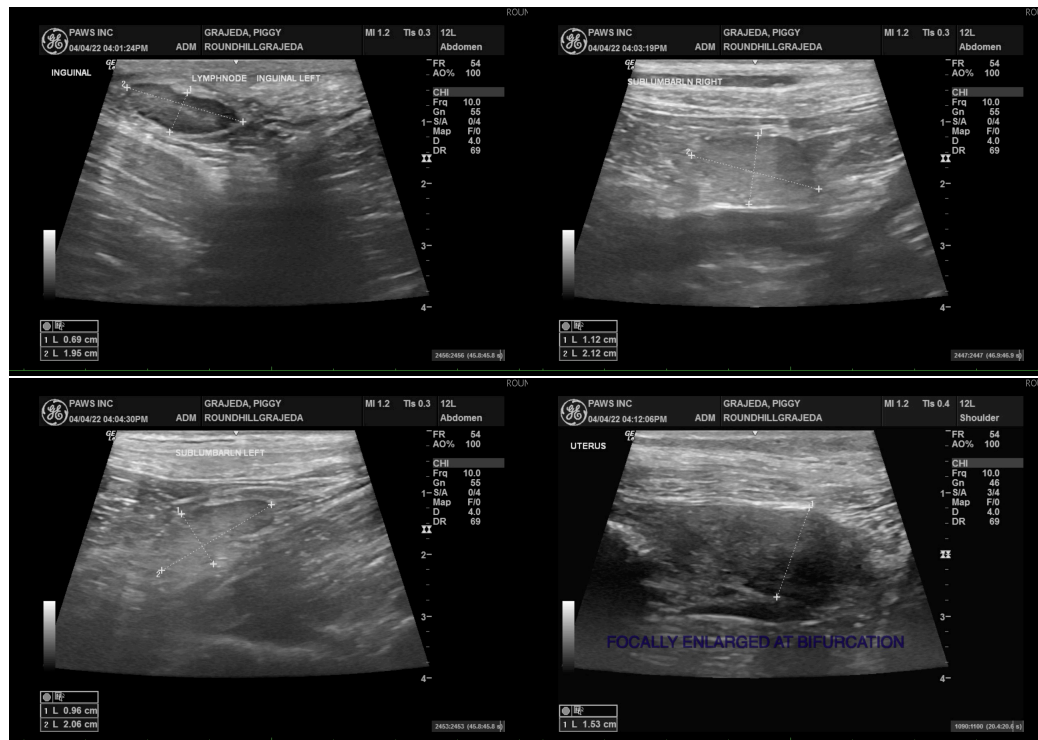
Dr. Carl Kelly

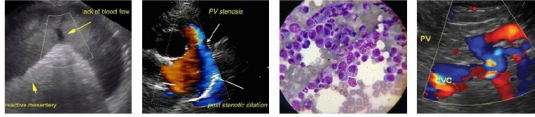
INVOICE

36740

DATE

4/5/22





PATIENT

Piggy Grajada

SPECIES

Canine

BREED

Mini Pit Bull

SEX

Intact Female

AGE

3 Years

WEIGHT

22.75 kg

INTERPRETED BY

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

IMAGING BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Roundhill AH

REFERRING VET

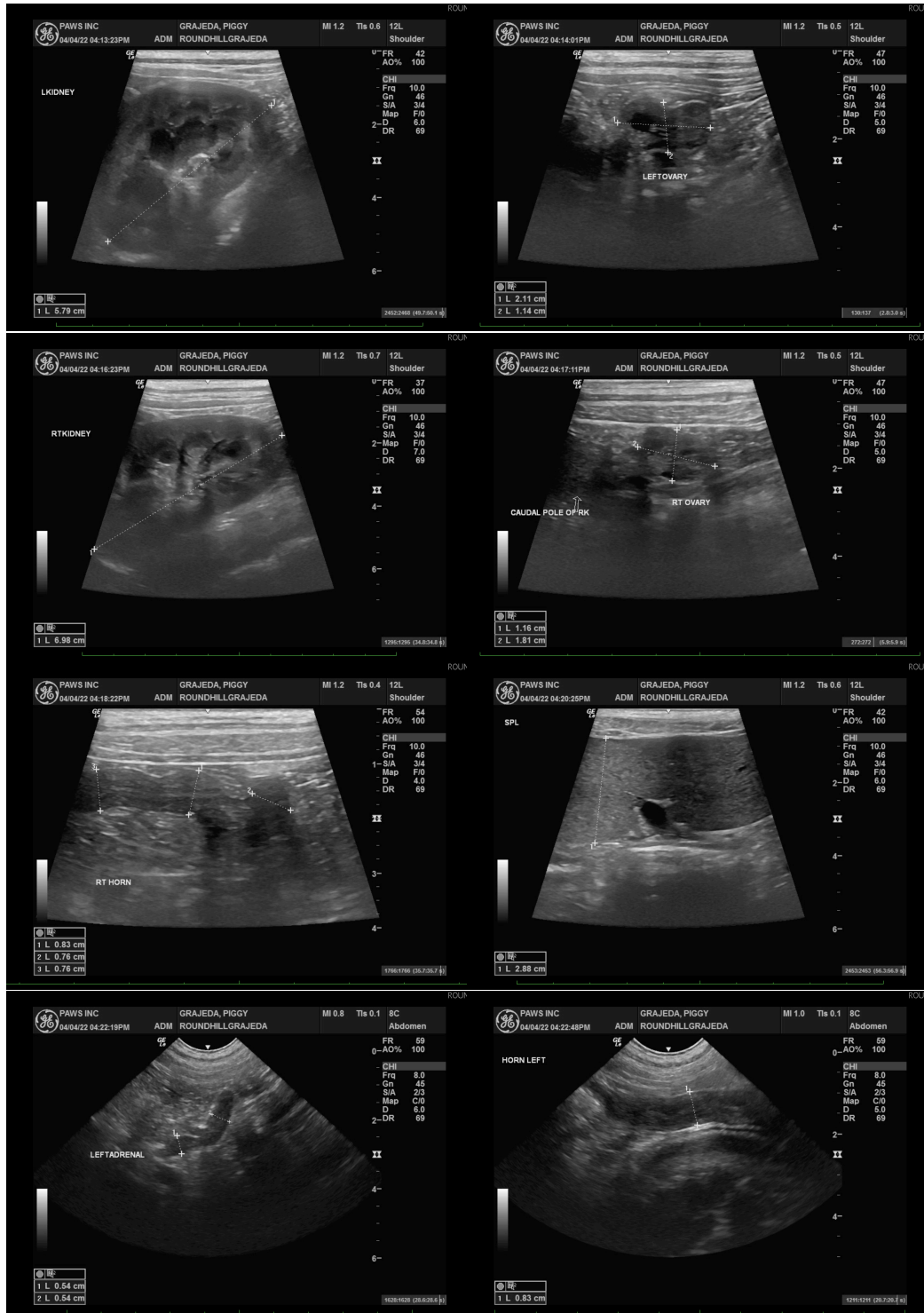
Dr. Carl Kelly

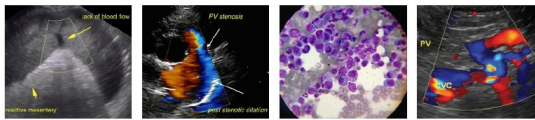
INVOICE

36740

DATE

4/5/22





PATIENT

Piggy Grajada

SPECIES

Canine

BREED

Mini Pit Bull

SEX

Intact Female

AGE

3 Years

WEIGHT

22.75 kg

INTERPRETED BY

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

IMAGING BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Roundhill AH

REFERRING VET

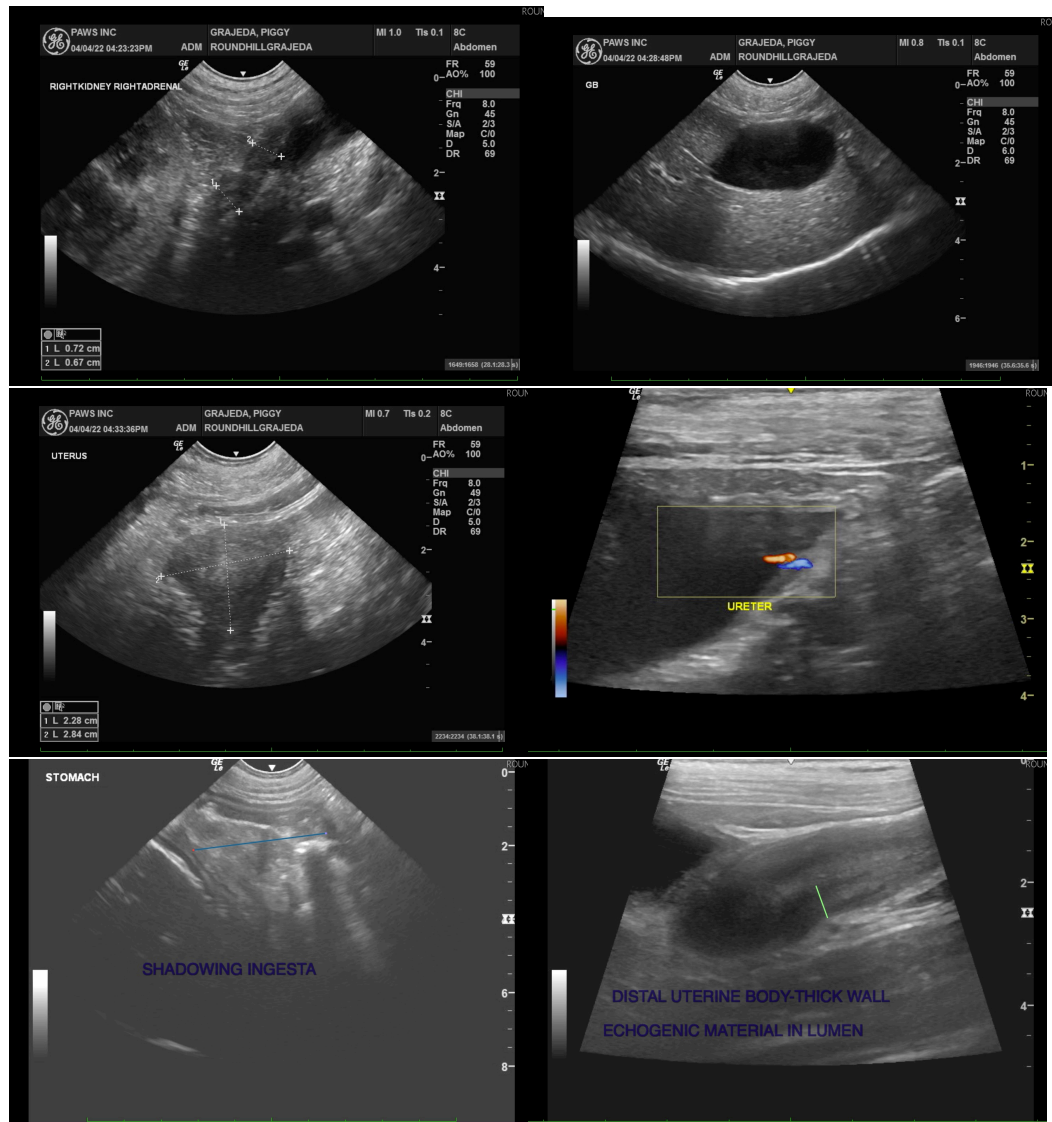
Dr. Carl Kelly

INVOICE

36740

DATE

4/5/22



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