

**DATE PRESENTING CLINICAL SIGNS**

9/3/21

History: housebreaking issue, multiple small urine accidents.

PATIENT

Peep Greybeal

Current Medications: Potassium Citrate BID.

Lab Results: urinalysis calcium oxalate crystals, normal bloodwork. 4DX negative

Radiographs: Not remarkable.

Date of Previous IntraPet Ultrasound: No previous IntraPet scans.

Sedation: Sedation not required for scan.

Stat Report: STAT report not requested by the veterinarian.

SPECIES

Canine

BREED

French Bulldog

SEX

Male, intact

AGE

2/19/2021

WEIGHT

13 lbs.

INTERPRETED BY

Andrea Nicastro, DVM,
 Diplomate ACVIM
 (Small Animal Internal
 Medicine)

HOSPITAL NAME

Pet Wellness Center

REFERRING VET

Dr. Twardus

INVOICE

12019

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

The prostate is mildly enlarged (1.50 cm in width) with a normal shape and smooth peripheral contours. The parenchyma was homogeneous. The prostatic urethra is not overtly dilated.

The left kidney is normal size (4.10 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

The right kidney is normal size (4.06 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.40 cm at cranial pole) (0.47 cm at caudal pole) (1.52 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.45 cm at cranial pole) (0.45 cm at caudal pole) (2.32 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (1.15 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The portal vein: caudal vena cava ratio is subjectively < 1:1, although the portal vein can be seen entering into the caudal aspect of the liver. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

Other

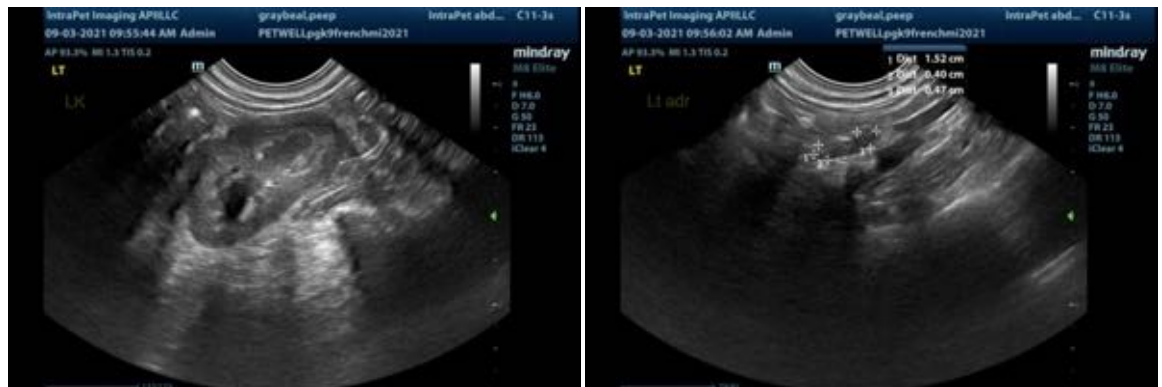
The testicles are subjectively normal in size and symmetrical with homogeneous parenchyma. No focal lesions are observed.

ULTRASONOGRAPHIC FINDINGS

- The prostate changes are consistent with a young intact male.
- Questionably small portal vein.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

1. A urine culture is recommended to further evaluate for a urinary tract infection.
2. Consider pre- and post-prandial serum bile acids to further screen for a portosystemic shunt.
3. A contrast cystourethrogram can be considered to assess for reflex dyssynergia and distal urethral pathology.
4. Depending on the results of the above diagnostics, a contrast CT scan can be considered to further evaluate for ectopic ureters.







The information and recommendations provided are based on the images presented by the referring veterinarian. 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.

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)
Andrea.nicastro@sonopath.com