

PATIENT

Fancy Alvarado

SPECIES

Canine

BREED

French Bulldog

SEX

FS

AGE

2 years

WEIGHT

17 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Gabriel Ferrer

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Ruiz

INVOICE

11590

DATE

3/31/2026

PRESENTING CLINICAL SIGNS

Px presented as a referral for an abdominal ultrasound due to persistent fever, leucocytosis, diarrhea, anorexia, and vomiting. Px has a DDX of pyelonephritis was referred to evaluate kidney function before discontinuing abx. Px has been on Enrofloxacin 68mg and Prednisone 5mg for 6 weeks. Px is currently on a gastrointestinal diet.

Abnormal PE/Chem/CBC/UA Results: Bloodwork attached below for your reference.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is adequately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

The right kidney is normal is size (5.3 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. Trace pyelectasia noted in the right kidney. There is no evidence of mineral or infarcts observed.

The left kidney is small (4.62 cm), irregular and diffusely echogenic with decreased corticomedullary distinction and poor visualization of internal architecture. Mild pyelectasia is also noted measuring 0.35 cm in the transverse view. No overt neoplasia or mineral is observed.

Adrenal Glands

The right adrenal gland is normal in size (0.52 cm at cranial pole and 0.36 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.37 cm at cranial pole and 0.51 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

Spleen

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

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.

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.

Gastrointestinal



PATIENT

Fancy Alvarado

SPECIES

Canine

BREED

French Bulldog

SEX

FS

AGE

2 years

WEIGHT

17 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Gabriel Ferrer

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Ruiz

INVOICE

11590

DATE

3/31/2026

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Pancreas

The pancreas that is observed appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

Free Abdomen

There is no visible free peritoneal effusion noted in these images.

Medial iliac lymph nodes are prominent in size with swollen capsular contour. Normal elongated shape (length to width ratio) is maintained. There is no loss of parenchymal detail.

ULTRASONOGRAPHIC FINDINGS

- Left kidney renal dysplasia – This appearance of the kidneys in a young dog is most concerning for congenital renal dysplasia or juvenile nephropathy. Other differentials include glomerular or interstitial nephritis, leptospirosis, chronic pyelonephritis, ethylene glycol toxicosis, etc. There's no definitive ultrasonographically visible evidence of inflammation around the kidneys or even marked pyelectasia to suggest ongoing active or current pyelonephritis. Although pyelonephritis, including chronic low grade smoldering pyelonephritis can't be definitively ruled out.
- Moderately reactive medial iliac lymph nodes – infiltrative neoplastic disease cannot be ruled out but is considered less likely.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CBC results were attached, if not recently evaluated, a full general metabolic health screen is recommended to also include chemistry panel and electrolytes.

Urinalysis and, if indicated based on urinalysis results, urine culture is recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ration is recommended.

Additionally, given patient's reported vomiting, diarrhea, fever, etc., further gastrointestinal workup recommendations to consider could include a routine fecal/giardia exam is recommended if not recently evaluated.

A gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.



PATIENT

Fancy Alvarado

SPECIES

Canine

BREED

French Bulldog

SEX

FS

AGE

2 years

WEIGHT

17 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Gabriel Ferrer

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Ruiz

INVOICE

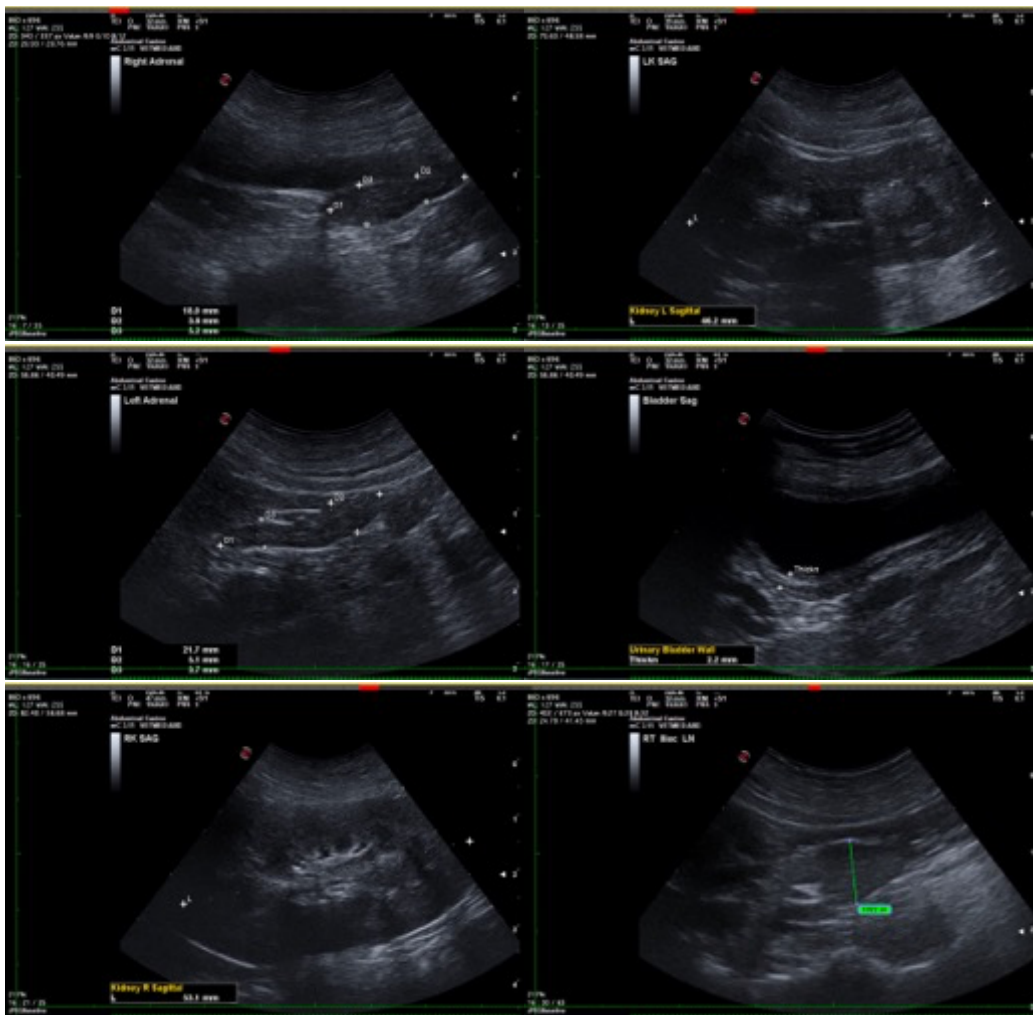
11590

DATE

3/31/2026

Given the concurrent fever, a fecal enteropathogen PCR panel to Texas A&M GI Laboratory could be considered for further evaluation of possible infectious disease. Contact lab for recommendations on how long to discontinue antibiotics (if indicated) prior to obtaining a stool sample for submission. +/- a baseline cortisol is recommended. If baseline cortisol is less than 2, a full ACTH stimulation test is recommended to rule out hypoadrenocorticism.

Other than supportive/symptomatic medical management of clinical signs, further treatment recommendations are largely dependent on results of the above.





PATIENT

Fancy Alvarado

SPECIES

Canine

BREED

French Bulldog

SEX

FS

AGE

2 years

WEIGHT

17 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Gabriel Ferrer

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Ruiz

INVOICE

11590

DATE

3/31/2026



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.

Beth Johnson, DVM, DACVIM
info@sonopath.com