



PATIENT PRESENTING CLINICAL SIGNS

Joe Calegari Chronic diarrhea, weight loss, no improvement with medical management Hill's z/d, B12
 Albumin 3.3, Unremarkable liver enzymes, WBC 9.4, HCT 50, Amylase 988, Lipase 207

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Pug Mix

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. A solitary dependent calculus, measuring 0.82 cm in diameter, was present. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

SEX

MN

No evidence of pathology was noted in the area of the residual prostate. The residual prostate measured 0.75 cm in diameter.

AGE

2008

The area of the aortic trifurcation was free of pathology.

WEIGHT

13.3

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Areas of nonobstructive medullary mineral were present primarily in the lateral diverticuli of both kidneys. The left kidney measured 3.5 cm in length. The right kidney measured 3.7 cm in length.

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm width at the caudal pole and 0.42 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.47 cm width at the caudal pole and 0.58 cm width at the cranial pole.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

HOSPITAL NAME

Barton Heights VH

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

REFERRING VET

Dr. Ott

INVOICE

13935

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild gallbladder debris. The cystic and common bile ducts were normal.

DATE

5/24/22



PATIENT ***Gastrointestinal***

Joe Calegari The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material. The stomach wall width measured 0.30 cm.

SPECIES

Canine The small intestine presented intact wall layering with subjective generalized propensity for prominent mucosa layer. Intermittent areas of duodenojejunal hyperechoic mucosal speckling were present. No evidence of loss of intestinal wall layering or distinct intestinal masses was noted.

BREED

Pug Mix Normal visible colon wall layers were present with apparent formed feces in lumen.

SEX

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

MN

Free Abdomen

AGE

No overt lymphadenopathy, omental masses, or peritoneal free fluid were present.

2008

ULTRASONOGRAPHIC FINDINGS

WEIGHT

13.3

- Urinary bladder calculus
- Bilateral chronic renal changes with nonobstructive medullary mineral
- Intact yet prominent small bowel walls exhibiting segmental mild duodenojejunal nonspecific mucosal speckling
- Mildly heterogeneous pancreas - age-related pancreatic changes suspected, potential for low-grade to chronic pancreatitis possible
- Mild gallbladder debris (non-mucocele)

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The Intact yet prominent small bowel wall layering exhibiting nonspecific Intermittent mucosal speckling may be a normal patient variant, yet suggestive of underlying Inflammatory process given the lack of loss of intestinal wall layer detail or intestinal masses.

IMAGING

PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

HOSPITAL NAME

Barton Heights VH

In patients with chronic to recurrent gastrointestinal signs, general considerations may include dietary intolerance / food hypersensitivity, occult parasitism, dysbiosis, inflammatory bowel disease which may be a primary differential diagnosis or intestinal neoplasia which cannot be definitively excluded. Likewise, low-grade to chronic pancreatitis, which may present as sonographically normal, may contribute to chronic gastrointestinal signs. Intestinal biopsies are required for a definitive diagnosis.

REFERRING VET

Dr. Ott

INVOICE

13935

DATE

5/24/22

Assessment of response to change to hydrolyzed diet and empirical cobalamin supplementation with potential additional therapy including empirical deworming, i.e., Panacur 50 mg/kg PO SID for 5 consecutive days, high colony count probiotics such as Provable, and as-needed gastrointestinal support would be reasonable. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.



PATIENT

Joe Calegari

SPECIES

Canine

BREED

Pug Mix

SEX

MN

AGE

2008

WEIGHT

13.3

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Barton Heights VH

REFERRING VET

Dr. Ott

INVOICE

13935

DATE

5/24/22





PATIENT

Joe Calegari

SPECIES

Canine

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.

BREED

Pug Mix

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.

SEX

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)

mac.daniel@sonopath.com

MN

AGE

2008

WEIGHT

13.3

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING

PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Barton Heights VH

REFERRING VET

Dr. Ott

INVOICE

13935

DATE

5/24/22