



PATIENT PRESENTING CLINICAL SIGNS

Angel Chan
Intermittent vomiting and diarrhea.
Abnormal PE/Chem/CBC/UA Results: CBC/Chem: WNL.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Chihuahua

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

Spayed Female

The area of the aortic trifurcation was free of pathology.

AGE

10 Years

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.0 cm. The right kidney measured 3.1 cm.

WEIGHT

6.7 Pounds

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.26 cm at the cranial pole and 0.31 cm at the caudal pole. The right adrenal gland measured 0.57 cm at the cranial pole and 0.53 cm at the caudal pole.

Spleen

INTERPRETED BY

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

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

IMAGING PERFORMED BY

Kelly Vazquez

Liver

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, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

HOSPITAL NAME

Animal General
on the Hudson

Gastrointestinal

REFERRING VET

Dr. Daniel Tierney

The stomach exhibited intact and sonographically unremarkable wall layering in the area of the fundus and gastric body. Mildly prominent yet intact wall layering noted in the antrum and pylorus owing to mild mucosal hypertrophy. Mild retained echogenic to focally shadowing ingesta was present in the stomach along with chyme. Pylorus wall measured 0.35 cm.

INVOICE

30058

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Jejunum wall measured 0.40 cm.

DATE

11/24/21

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



PATIENT

Angel Chan **Pancreas**

SPECIES

Canine

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

BREED

Chihuahua

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

Spayed Female

PRIMARY FINDINGS

- Gastroenterocolitis pattern with mild focally shadowing gastric ingesta – possible inflammatory bowel.
- Heterogeneous pancreas – Probable age related or incidental pancreatic parenchymal changes, minor potential for low-grade to chronic pancreatitis.
- Mild gallbladder debris – likely incidental
- Mild age related kidneys

AGE

10 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

6.7 Pounds

Overall, no overt evidence of significant visceral pathology. The presence of gastric ingesta may correlate with recent meal ingestion, although some degree of potential metabolic gastric stasis may be possible if documented NPO. Dietary indiscretion/food intolerance, occult parasitism, or structurally insignificant inflammatory gastroenteropathy possible. Assessment of serum cobalamin and folate levels may be considered if evidence of weight loss.

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(Canine and Feline)

Empirically, a limited antigen or hydrolyzed diet trial with potential long term dietary therapy, prophylactic deworming (Panacur 50 mg/kg SID x 5 consecutive days with repeat protocol in 3 weeks even if fecal testing is negative), high colony count probiotic (Provable or Visbiome), antibiotic trial and as needed gastrointestinal support with assessment of clinical response may prove beneficial. Intestinal biopsies may be indicated if GI signs continue despite empirical therapy.

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SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

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PATIENT

Angel Chan

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.

SPECIES

Canine

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.

BREED

Chihuahua

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Spayed Female

AGE

10 Years

WEIGHT

6.7 Pounds

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