



PATIENT PRESENTING CLINICAL SIGNS

Dexter Richter History: Dexter is a 6-year-old MN Bichon Mix who presents for 5 days of diarrhea, with severely lethargy, weakness, anorexia, and vomiting that started yesterday. He was taken to his rDVM on Thursday and was sent home with an rx of Pepto Bismol, but did not improve.

SPECIES

Canine

No: fish exposure, underlying disease, medications.

BREED

Bichon Frise Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. A scant amount of suspended echogenic debris is observed within the lumen. No cystic calculi are observed. The region of the trigone is normal.

SEX

Neutered Male

The region of the prostate is not visualized due to its pelvic location.

AGE

6 years

The left kidney is normal in size (5.24 cm in length) with a normal shape, architecture and 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.

WEIGHT

10.9 lbs

The right kidney is subjectively normal in size with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

Adrenal Glands

The region of the left adrenal gland is evaluated. No obvious pathology is observed in this region.

INTERPRETED BY

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

The region of the right adrenal gland is evaluated. No obvious pathology is observed in this region.

Spleen

The spleen is normal in size (1.26 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 appears normal.

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Amber Schoefield

Liver

The liver is subjectively prominent in size with normal curvilinear peripheral contours. The parenchyma is hypoechoic relative to the spleen and homogenous in appearance. No focal lesions are observed. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

HOSPITAL NAME

Wilvet South

The gall bladder is moderately distended. The wall is mildly thickened (up to 0.21 cm) and hyperechoic. A small-to-moderate amount of gravity-dependent, echogenic debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.

REFERRING VET

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Gastrointestinal

The gastric lumen is mildly distended with ingesta. 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 is normal to mildly thickened (up to 0.57 cm). There is evidence of mucosal striations and fogging in most segments. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

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Pancreas

The right limb and base are prominent-to-enlarged with slightly irregular peripheral contours. The parenchyma is hypoechoic relative to surrounding omental fat. No focal lesions are observed.

DATE

6.26.23



PATIENT Surrounding vasculature is hyperechoic.

Dexter Richter

Free Abdomen

The mesentery throughout the abdomen is hyperechoic. A small amount of anechoic free fluid is present. The abdominal lymph nodes are normal/not visible.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

Primary Findings

BREED
Bichon Frise Mix

- The pancreatic changes are consistent with mild-to-moderate acute or chronic active pancreatitis.
- The bowel pattern consistent with possible lymphangiectasia.
- Diffuse peritonitis is present, likely secondary to bowel and/or pancreatic pathology.

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

6 years

WEIGHT

10.9 lbs

- Baseline lab work, including a CBC, chemistry panel, urinalysis and T4 is recommended (if not already performed).
- A fecal flotation for internal parasites as well as a direct fecal smear (for *Neophytes salmincola*) is recommended along with prophylactic deworming with Fenbendazole.
- Supportive care for pancreatitis is recommended including IV fluid therapy, gastric protectants, antiemetics, pain medication as needed, +/- fresh frozen plasma.
- Other diagnostics/therapeutic considerations include the following:

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1. Texas GI panel including serum cobalamin and folate, TLI, PLI and resting cortisol level
2. Initiation of a probiotic as well as a fiber supplement (i.e., psyllium).
3. If accessible, fine-needle aspirate of the free abdominal fluid, with submission for analysis and cytology should be considered (if clotting status is appropriate).
4. Depending on the results of the above diagnostics/therapeutics, GI biopsies (i.e., endoscopic or surgical) may be warranted.

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SPECIES

Canine

BREED

Bichon Frise Mix

SEX

Neutered Male

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WEIGHT

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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.

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