



PATIENT PRESENTING CLINICAL SIGNS

Toto Yoo History: Acute onset anorexia, vomiting, and diarrhea.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: N/A.

Maltese Radiographic Findings: N/A.

SEX

MN

AGE

15 years

WEIGHT

5.2 #

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ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 2.9 cm, right 2.3 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 1.18 x 0.34 cm, right 0.91 x 0.4 cm.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes evident.

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal thickness and appearance of the gall bladder wall. Normal bile duct.

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, and ileo-cecal junction, with no loss of layering, normal wall thickness, and no distension of the lumen. Thickening of the colon (0.35 cm) with no loss of layering and containing large amount of liquid fecal material. Small amount of fluid within the stomach.

IMAGING PERFORMED BY

Dr Paul Kim

HOSPITAL NAME

Ridgefield Park Animal
Hospital

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PATIENT *Pancreas*

Toto Yoo Normal size (left 0.9 cm, right 0.48 cm) with a diffuse hyperechogenic appearance and irregular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.
No ascites.

BREED **ULTRASONOGRAPHIC FINDINGS**

Maltese

Primary Findings:

- SEX**
 - Colitis.
 - Pancreatic fibrosis.
- MN

AGE Secondary Findings:

- 15 years
 - Gall bladder sediment.
 - Ae-related renal changes.

WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Although the appearance of the pancreas would be consistent with pancreatic fibrosis, chronic pancreatitis needs to be considered.

Etiologies for the colon would be non-specific colitis, extension from a non-specific gastro-enteritis (dietary indiscretion, toxins, viral, protozoal, helminths), inflammatory bowel disease, ulcerative colitis, granulomatous colitis, and emerging neoplasia.

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Further assessment would be fecal analysis and cPL/PSL assay and if there is not a satisfactory improvement with symptomatic therapy or a relapse, then rectal cytobrush cytology and colonoscopy with biopsies.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic management would be fluid therapy and correction of electrolyte anomalies (as needed), anti-emetics, intestinal binders/absorbents, and an intestinal diet.

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PATIENT IMAGES

Toto Yoo **Colon**

SPECIES

Canine

BREED

Maltese

SEX

MN

AGE

15 years

WEIGHT

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PATIENT Pancreas

Toto Yoo

SPECIES

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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.

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