



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Akibah Spiegel
History: Suspected IBD – was on long term metronidazole but discontinued 2 months ago as was doing well. Hyporexia, lethargy, mucoid diarrhea.

SPECIES Canine
Physical Examination: Severe dental disease.

Canine
Urinalysis: N/A.

BREED Poodle
CBC: N/A.

Poodle
Serum Biochemistry: Azotemia, abnormal cPL.
Radiographic Findings: N/A..

SEX

MN

AGE

15½ years

WEIGHT

6.2 kg

INTERPRETED BY

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ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Small urinary bladder with a normal appearance and thickness 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 (0.6 cm). Ureters not visualized.

Normal renal size (left 4.4 cm, right 5.2 cm) with increased echogenic appearance, loss of cortico-medullary differentiation, and normal capsule and pelvis. Small bilateral cortical cysts.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, size, and position. Left 1.45 x 0.57/0.41 cm.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. Focal irregular non-vascularized parenchymal nodule (0.4 x 0.7 cm) in the body of the spleen

Liver

Normal size with a diffuse mottled echogenic and nodular appearance and with some loss of portal markings. Nodules are irregular, hypoechoic, parenchymal, and up to 0.7 x 0.9 cm in size. Full gall bladder containing small amount of hyperechoic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

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HOSPITAL NAME

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Hospital

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PATIENT *Gastrointestinal*

Akibah Spiegel

Normal appearance of the duodenum, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen. Irregular segmental thickening of the gastric mucosa (up to 1.3 cm) with loss of layering and a polyploid appearance in certain areas. Segmental thickening of the small intestine (up to 0.5 cm) with a prominent hypoechoic appearance of the submucosal layer but with no loss of layering or distension of the lumen.

SPECIES

Canine

BREED

Poodle

Pancreas

Enlarged with a mottled echogenic appearance. Irregular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

SEX

MN

Free Abdomen

AGE

15½ years

No mesenteric lymphadenomegaly.
Small amount of acellular ascites.

Diffuse hyperechogenic appearance of the mesentery.

WEIGHT

6.2 kg

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Chronic kidney disease.
- Nodular hepatopathy.
- Gastropathy.
- Enteropathy.
- Pancreatitis.
- Peritonitis.

Secondary Findings:

- Splenic nodule.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the kidneys is typical for chronic kidney disease.

Etiologies for the nodular hepatopathy would be reactive, chronic hepatitis, nodular regeneration, early cirrhosis, granulomatous disease, and infiltrative neoplasia.

Etiologies for the gastropathy would be severe inflammatory bowel disease, granulomatous disease, ulceration, and neoplasia.

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Etiologies for the enteropathy would be inflammatory bowel disease, dietary hypersensitivity, and parasitic enteritis.

The appearance of the pancreas is indicative of chronic pancreatitis.

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The ascites and appearance of the mesentery is typical for peritonitis and could be primary or secondary to the gastro-enteropathy and pancreatitis.



PATIENT

Akibah Spiegel

Further assessment would be urine and fecal analyses, 3-view thoracic radiographs, FNA cytology of the liver and stomach, analysis of the ascitic fluid (if possible), cPL/PSL assay, and endoscopy of the upper GI tract with biopsies.

SPECIES

Canine

Further specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be small frequent meals, low-fat intestinal diet, and gastric protectants (omeprazole, sucralfate).

BREED

Poodle

IMAGES

Left kidney

SEX

MN

AGE

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Spleen



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PATIENT

Stomach

Akibah Spiegel

SPECIES

Canine

BREED

Poodle

SEX

MN

AGE

15½ years

WEIGHT

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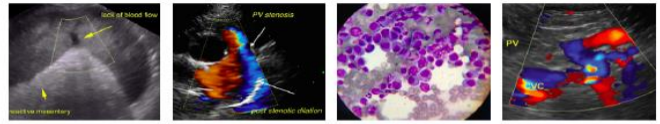
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PATIENT Liver

Akibah Spiegel

SPECIES

Canine

BREED

Poodle

SEX

MN

AGE

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WEIGHT

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Pancreas

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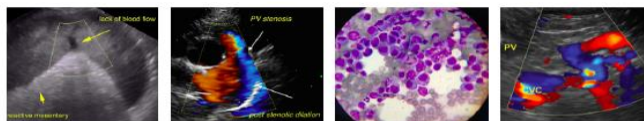


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PATIENT Mesentery

Akibah Spiegel

SPECIES

Canine

BREED

Poodle

SEX

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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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