



PATIENT PRESENTING CLINICAL SIGNS

Penny Samera History: Vomiting, soft stool with melena, anorexia, lethargy.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: N/A.

JRT Mix Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

FS *Urinary System*

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

13 years

Normal trigone area, proximal urethra (0.5 cm), and iliac blood vessels.

WEIGHT

15 #

Normal iliac lymph nodes (1.4 cm). Ureters not visualized.

Normal renal size (left 4.4 cm, right 4.1 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, pyelectasia (left 0.2 cm, right 0.3 cm), and normal capsule.

INTERPRETED BY

Reproductive System

N/A.

Adrenal Glands

Normal position, echogenic appearance, shape, and size. Left 0.4/0.42 cm, right 0.45/0.43 cm.

Spleen

Normal size (1.1 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No inflammatory, neoplastic, infarction, or infiltrative changes evident.

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident.

Gall bladder

Full containing small amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the wall. Normal bile duct (0.2 cm).

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Oviedo Veterinary Care and
Emergency

REFERRING VET

Dr Lawrence

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DATE

4/20/23



PATIENT *Gastrointestinal*

Penny Samera Normal appearance of the duodenum, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.29 cm, colon 0.15 cm) and peristalsis, and no distension of the lumen. Thickening of the stomach (0.71 cm) and segmental thickening of the small intestine (0.47 cm) with normal thickness, no loss of layering, or distension of the lumen.

SPECIES

Canine

Pancreas

BREED

JRT Mix

Normal size (left 0.7 cm, right 1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

SEX

FS

Normal mesenteric lymph nodes (2.4 cm).

Age

13 years

No ascites evident.

Hyperechogenic appearance of the mesentery surrounding the stomach.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

15 #

Primary Findings:

- Gastroenteropathy.
- Mesenteric inflammation.

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD, Dipl.
ECVIM

Secondary Findings:

- Age-related renal disease.
- Gall bladder sediment.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the gastroenteropathy would be non-specific gastroenteritis (dietary indiscretion, toxins, viral), parasitic enteritis, inflammatory bowel disease, dietary hypersensitivity, granulomatous disease, *Helicobacter* gastritis, ulcerative disease, and emerging lymphoma, differential diagnoses.

Although the appearance of the kidneys would be consistent with age-related changes, chronic kidney disease and pyelonephritis needs to be considered.

Further assessment would be urine and fecal analyses, urine culture, cobalamin assay, and endoscopy of the upper GI tract with biopsies.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be novel protein/hypoallergenic diet, course of fenbendazole, cobalamin supplementation, and possibly prednisolone.

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PATIENT

Penny Samera

SPECIES

Canine

BREED

JRT Mix

SEX

FS

Age

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WEIGHT

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IMAGES

Stomach



Small intestine



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PATIENT **Left kidney**

Penny Samera

SPECIES

Canine

BREED

JRT Mix

SEX

FS

Age

13 years

WEIGHT

15 #



INTERPRETED BY

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 MMedVet (Med), PhD, Dipl.
 ECVIM

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.

IMAGING PERFORMED BY

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