



PATIENT PRESENTING CLINICAL SIGNS

Cody Petroski History: Vomiting and diarrhea. Previous history of PLE.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: Hypoalbuminemia.

Pomeranian Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

MN **Urinary System**

Age Full urinary bladder with a normal thickness and appearance of the wall. Small amount of hyperechogenic floating sediment present. No uroliths evident.

8 years Normal trigone area, proximal urethra (0.2 cm), and iliac blood vessels.

WEIGHT Normal iliac lymph nodes. Ureters not visualized.

4 # Normal renal size (left 3 cm, right 3.2 cm) with decreased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

INTERPRETED BY **Reproductive System**

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM Small hypoechogenic prostate (0.4 cm).

IMAGING PERFORMED BY **Adrenal Glands**

Sonya Myers, DVM Normal position, echogenic appearance, shape, and size. Left 0.34/0.26 cm, right 0.35/0.33 cm.

HOSPITAL NAME **Spleen**

Oviedo Veterinary Care and Emergency Small (0.2 cm) with normal echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. Large round isoechogenic parenchymal mass (0.9 x 1 cm) in the tail of the spleen with bulging of the overlying capsule. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

REFERRING VET **Liver**

Dr Cosgriff Enlarged with rounded edges increased echogenic appearance, loss of portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing large amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

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PATIENT *Gastrointestinal*

Cody Petroski Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.19 cm, duodenum 0.42 cm, jejunum 0.36, colon 0.15 cm) and peristaltic activity, and no distension of the lumen. Ingesta within the stomach. Diffuse mucosal speckling of the duodenum and small intestine.

SPECIES

Canine

Pancreas
BREED

Pomeranian

Enlarged (right 0.8 cm) with a hypoechogenic appearance. Regular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen
SEX

Normal mesenteric lymph nodes (1.9 cm).

MN

Large amount of acellular ascites.

Age

8 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

WEIGHT

4 #

- Hepatopathy.
- Pancreatitis.
- Splenic mass.
- Mucosal stippling.
- Ascites.

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD, Dipl.
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Secondary Findings:

- Gall and urinary bladder sediment.
- Age-related renal changes.

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Oviedo Veterinary Care and
Emergency

REFERRING VET

Dr Cosgriff

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be reactive, hyperplasia, vacuolar, hepatitis, and infiltrative neoplasia.

Although the appearance of the pancreas is indicative of pancreatitis, pancreatic edema secondary to the hypoalbuminemia needs to be considered.

Etiologies for the splenic mass would be hyperplasia, hematoma, granuloma, and neoplasia.

The mucosal stippling and ascites are consistent with lymphangectasia and with the history of PLE.

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Although the gall bladder sediment is most likely an incidental finding, emerging mucocele needs to be considered.

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Further assessment would be urinalysis, cPL/PSL assay, and FNA cytology of the liver and splenic mass.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the liver and gall bladder would be ursodiol.



PATIENT IMAGES

Cody Petroski **Liver**

SPECIES

Canine

BREED

Pomeranian

SEX

MN

Age

8 years

WEIGHT

4 #



Small intestine

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IMAGING PERFORMED BY

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PATIENT Gall bladder

Cody Petroski

SPECIES

Canine

BREED

Pomeranian

SEX

MN

Age

8 years

WEIGHT

4 #



Pancreas

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PATIENT Spleen

Cody Petroski

SPECIES

Canine

BREED

Pomeranian

SEX

MN

Age

8 years

WEIGHT

4 #



INTERPRETED BY

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 MMedVet (Med), PhD, Dipl.
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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.

IMAGING PERFORMED BY

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HOSPITAL NAME

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