



PATIENT PRESENTING CLINICAL SIGNS

Benji Hayden History: Vomiting, diarrhea.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG1.015.

CBC: N/A.

BREED Serum Biochemistry: Severe azotemia, Lepto snap positive, normal liver enzymes and bilirubin.

Mixed 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. Normal anechoic urine with no sediment or uroliths evident.

13 years

Normal trigone area, proximal urethra (0.4 cm), and iliac blood vessels.

WEIGHT

13 #

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

INTERPRETED BY

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Normal renal size (left 3.3 cm, right 3.5 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, bilateral pyelectasia (both 0.3 cm) and pinpoint mineralization, and normal capsule. Small amount of peri-nephric fluid accumulation and hyperechogenic appearance of the peri-renal fat.

Reproductive System

Small hypoechogenic prostate (0.9 cm).

Adrenal Glands

Normal position, echogenic appearance, and shape. Normal size of the right gland (0.54/0.54 cm), enlarged left gland (0.83/0.69 cm).

Spleen

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

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Focal cyst (1 x 2 cm) at the base of the right lobe near the gall bladder. Full gall bladder containing large amount of adhered and non-adhered sediment arranged in a stellate pattern. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.3 cm).

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DATE

1/3/23

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Oviedo Veterinary Care and
Emergency

REFERRING VET

Dr Cosgriff



PATIENT *Gastrointestinal*

Benji Hayden Normal appearance of the stomach, duodenum, small intestine, and ileo-cecal junction with no loss of layering, normal wall thickness (stomach 0.27 cm, duodenum 0.4 cm, jejunum 0.42 cm, colon 0.13 cm) and peristaltic activity, and no distension of the lumen. Segmental thickening of the colon (0.52 cm) with no loss of layering.

SPECIES

Canine

Pancreas

BREED

Mixed

Enlarged (left 2 cm, right 0.8 cm) with a mottled echogenic appearance of the left lobe and a hyperechogenic appearance of the right lobe. Irregular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

SEX

Free Abdomen

MN

Normal mesenteric lymph nodes (0.3 x 1.4 cm).

Age

No ascites.

13 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

13 #

Primary Findings:

- Nephropathy.
- Left adrenomegaly.
- Mucocele.
- Pancreatitis.
- Colitis.

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Secondary Findings:

- Hepatic cyst.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The most likely etiology for the nephropathy would be acute or chronic kidney disease (toxins, hypoxia), leptospirosis, bacterial nephritis, and pyelonephritis.

The most likely etiology for the left adrenomegaly would be disease stress with emerging Cushing's disease a differential diagnosis.

The appearance of the pancreas is consistent with chronic-active pancreatitis.

Etiologies for the colitis would be secondary to the pancreatitis, granulomatous colitis, helminths, inflammatory bowel disease, and emerging neoplasia.

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Further assessment would be urine and fecal analyses, urine culture, UPC (if urine sediment and culture negative), *Leptospira* serology/PCR, cPL/PSL assay, and rectal cytobrush cytology.

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Specific therapy would be dependent on an etiological diagnosis.



PATIENT IMAGES

Benji Hayden **Left kidney**

SPECIES

Canine

BREED

Mixed

SEX

MN

Age

13 years

WEIGHT

13 #



INTERPRETED BY Gall bladder

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PATIENT Liver cyst

Benji Hayden

SPECIES

Canine

BREED

Mixed

SEX

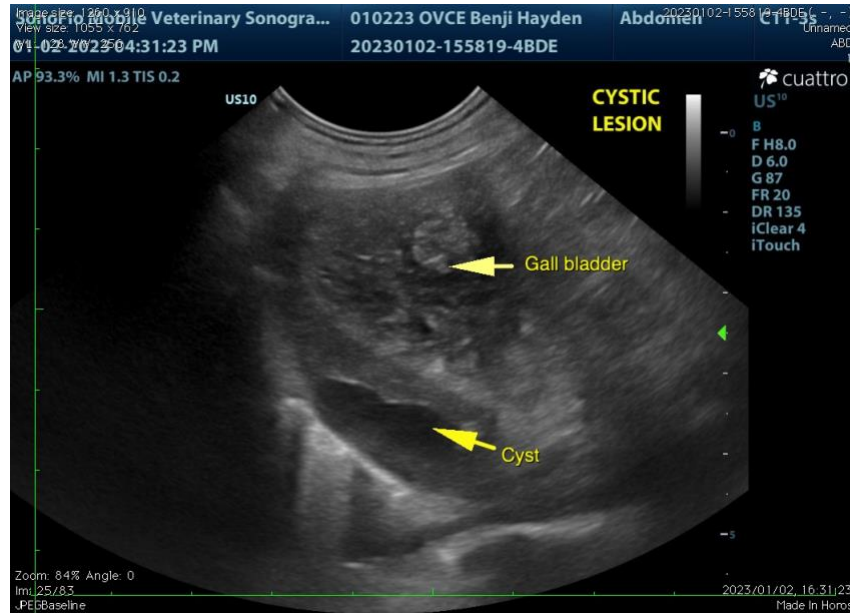
MN

Age

13 years

WEIGHT

13 #



Pancreas

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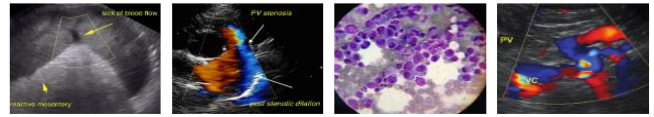
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PATIENT Colon

Benji Hayden

SPECIES

Canine

BREED

Mixed

SEX

MN

Age

13 years

WEIGHT

13 #



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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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