



**PATIENT**

Bernard Brownstein

**SPECIES**

Feline

**BREED**

DSH

**SEX**

FS

**AGE**

13 years

**WEIGHT**

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Seth Mitchell, DVM

**HOSPITAL NAME**

Treasure Coast Animal  
Emergency

**REFERRING VET**

**INVOICE**

303773

**DATE**

1/17/23

**PRESENTING CLINICAL SIGNS**

History: Possible pancreatitis.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with small amount of dependent hyperechogenic sediment present. No uroliths evident.

Normal proximal urethra (0.3 cm) containing small amount of hyperechogenic sediment. Normal iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (both 4 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 0.41 cm, right 0.41 cm.

**Spleen**

Normal size (0.7 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. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Distended bile duct (0.7 cm) containing hyperechogenic sediment up to the level of the duodenal papilla.



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***Gastrointestinal***

Normal appearance of the gastro-esophageal junction, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (jejunum 0.26 cm) and peristalsis, and no distension of the lumen.

***Pancreas***

Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

***Free Abdomen***

No mesenteric lymphadenomegaly.  
No ascites.

**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Distended bile duct.
- Age-related renal changes vs renal disease.

Secondary findings:

- Urinary bladder sediment.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

As the gall bladder is not distended, the dilated bile duct is most likely an age-related finding, however it needs to be correlated with liver enzyme activity and bilirubin.

The appearance of the kidneys needs to be correlated with urinalysis and renal function.

Further assessment would be urinalysis and serum biochemistry.

Specific therapy would be dependent on an etiological diagnosis.

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**IMAGES**

**Bile duct**



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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.

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