



PATIENT PRESENTING CLINICAL SIGNS

Lily Goldberg History: Pollakiuria, PuPd.
SPECIES Physical Examination: N/A.
 Canine Urinalysis: N/A. Resistant *E. coli* on culture.
BREED CBC: N/A.
 Pug Mix Serum Biochemistry: N/A.
 Radiographic Findings: N/A.

SEX

FS

AGE

14 years

WEIGHT

28 #

INTERPRETED BY

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ECVIM

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder a thickened, irregular, and hyperechogenic appearance of the wall. Small amount of floating hyperechoic sediment. Irregular hyperechogenic polyploid-like mass originating from the apex of the wall. No uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size, echogenic appearance, cortico-medullary differentiation, capsule and pelvis.

Reproductive System

N/A.

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Dr Brittany Scott

Adrenal Glands

Normal shape, echogenic appearance, size, and position.

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Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular capsule, and normal vasculature. Isoechogenic mass with a central hyperechogenic region in the head of the spleen with bulging of the overlying capsule.

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Liver

Enlarged with a diffuse mottled-to-nodular echogenic appearance, and loss of portal markings. Nodules are parenchymal, hypoechogenic, and irregular in appearance. Full gall bladder containing moderate amount of hyperechogenic sediment. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

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PATIENT *Gastrointestinal*

Lily Goldberg Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.

SPECIES *Pancreas*

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

BREED *Free Abdomen*

Pug Mix No mesenteric lymphadenomegaly.

SEX No ascites.

FS Irregular mottled echogenic mass-like structure caudal to the left kidney with hyperechogenic non-shadowing areas.

AGE **ULTRASONOGRAPHIC FINDINGS**

14 years Primary Findings:

- WEIGHT**
- Cystitis.
 - Urinary bladder mass.
 - Nodular hepatopathy.
 - Abdominal mass?
 - Splenic mass.

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Secondary Findings:

- Gall bladder sediment.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the urinary bladder would be chronic cystitis, polyploid cystitis, and neoplasia.

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Etiologies for the nodular hepatopathy would be reactive, metabolic, nodular regeneration, chronic hepatitis, granulomas, abscessation, and neoplasia.

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Etiologies for the abdominal mass would granuloma, organized hematoma, organized abscess, ovarian remnant, and neoplasia.

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

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Further assessment would be urinalysis, urine sediment cytology, serum biochemistry, FNA cytology of the liver, splenic mass, and abdominal mass, BRAF assay, and possibly catheter-assisted aspirate of the urinary bladder.

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Specific therapy would be dependent on an etiological diagnosis.



PATIENT IMAGES

Lily Goldberg **Urinary bladder**

SPECIES

Canine

BREED

Pug Mix

SEX

FS

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WEIGHT

28 #

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HOSPITAL NAME

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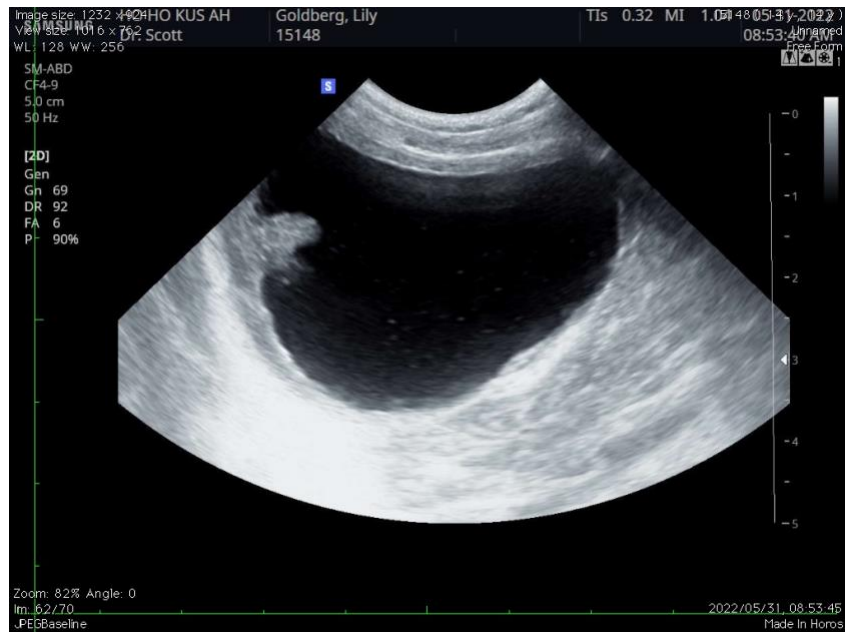
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PATIENT Spleen

Lily Goldberg

SPECIES

Canine

BREED

Pug Mix

SEX

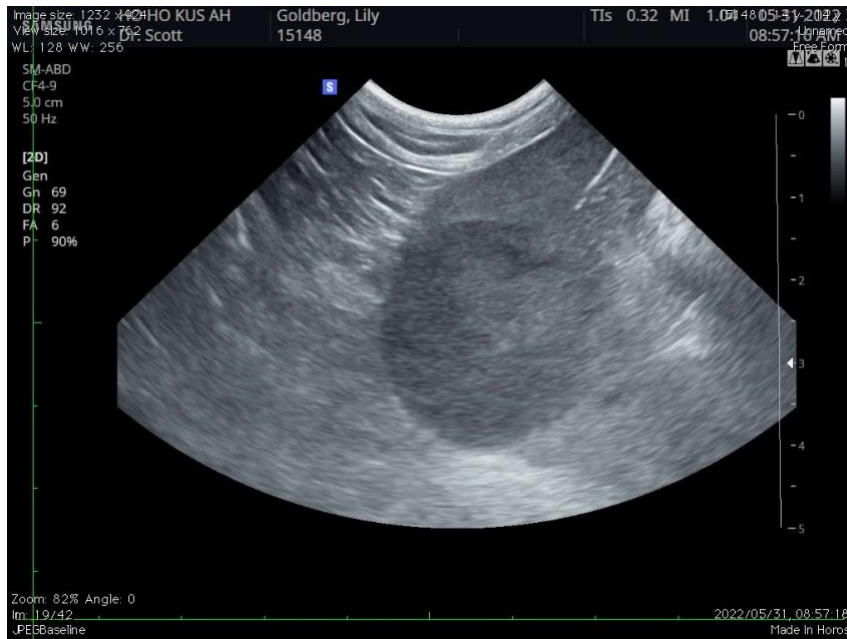
FS

AGE

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WEIGHT

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INTERPRETED BY Liver

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HOSPITAL NAME

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Hospital

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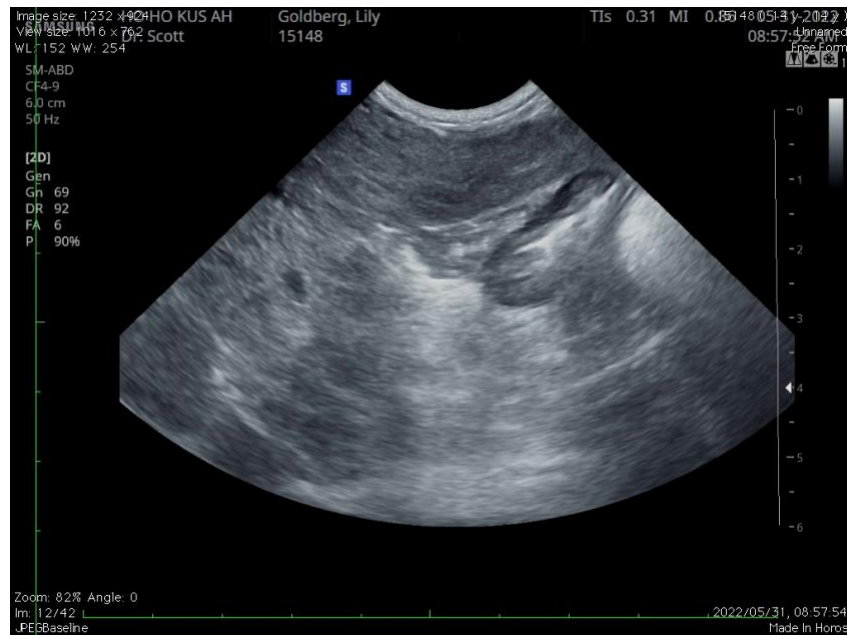
Dr Eisenberg

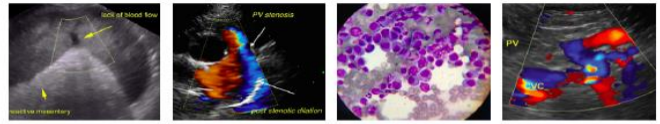
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PATIENT **Mass?**

Lily Goldberg

SPECIES

Canine

BREED

Pug Mix

SEX

FS

AGE

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WEIGHT

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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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