



PATIENT PRESENTING CLINICAL SIGNS

Lucy Lamp
 Chronic urinary issues - pollakiuria. Urinating inappropriately in house, licking vulva constantly, hematuria, hooded vulva. ALP 20, urine ++ protein, +++ blood, ++ cocci. WBC 5-10, RBC 5-10. On Clavamox, Fortiflora, Freeform snip tips, Keto-C wipes. Sedated with torb/dexdomitor

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Berner Doodle

The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. No evidence of proximal urethral dilation or distension with subjective normal urethral tone to a depth of 2.0 cm. Anechoic urine was present in the lumen with no uroliths, calculi, or sediment. Subtly dilated ureter was noted in the area of the ureteral papilla in at least one location. The ureters were not visible which is normal. No evidence of inflammatory urinary bladder mural criteria.

SEX

FS

No evidence of pathology in the area of the uterine remnant.

No evidence of pathology in the area of the aortic trifurcation.

AGE

11 Months

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pyelectasia. The left kidney measured 7.2 cm in length. The right kidney measured 7.4 cm in length.

WEIGHT

Adrenal Glands

Both adrenal glands appeared to be mildly flattened in appearance yet overall normal symmetry and position with a uniformly hypoechoic parenchyma. The flattened appearance appeared to be more prominent in the left adrenal gland. The left adrenal gland measured 0.36 cm width at the caudal pole and 0.32 cm width at the cranial pole. The right adrenal gland measured 0.57 cm width at the caudal pole and 0.37 cm width at the cranial pole.

INTERPRETED BY

R. McKenzie Daniel, DVM,
 DABVP (Canine and
 Feline)

Spleen

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

HOSPITAL NAME

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Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

Jennifer Hart, DVM

Gastrointestinal

INVOICE

48966

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

12-12-21

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material. The duodenum wall measured 0.35. cm width. The jejunum wall measured 0.35 cm width.

Normal visible colon wall layers were present with apparent formed feces in lumen.



PATIENT

Pancreas

Lucy Lamp

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES

Free Abdomen

Canine

Intermittent mid abdominal mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a lymph node measured 2.1 x 0.73 cm.

BREED

Berner Doodle

ULTRASONOGRAPHIC FINDINGS

SEX

- Sonographically unremarkable urinary bladder - no overt evidence of congenital abnormality.
- Sonographically unremarkable bilateral kidneys - no evidence of pyelectasia/pyelonephritis.
- Intermittent subjectively benign /reactive mid abdominal mesenteric lymph nodes - potential for immunologic immaturity or incidental hyperplasia.

FS

AGE

11 Months

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Urine culture and sensitivity on cystocentesis sample of urine recommended to assess for underlying infection. Potential for low grade cystitis or urethritis may be possible. A nonobvious congenital abnormality cannot be definitively excluded yet thought less likely unless clinical evidence of consistent incontinence is present. If infection is confirmed, potential for ascending infection owing to vulva anatomic abnormality or potential urine pooling may be possible. Gross examination of the vaginal vault for evidence of structural abnormality may be considered. If persistent or recurring documented infection and/or persistent abnormal urination pattern, cystoscopy may be indicated.

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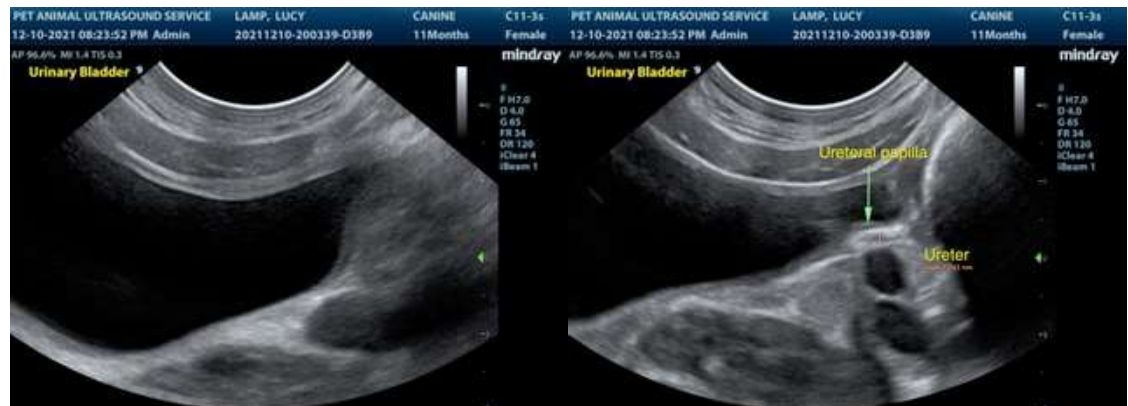
Jennifer Hart, DVM

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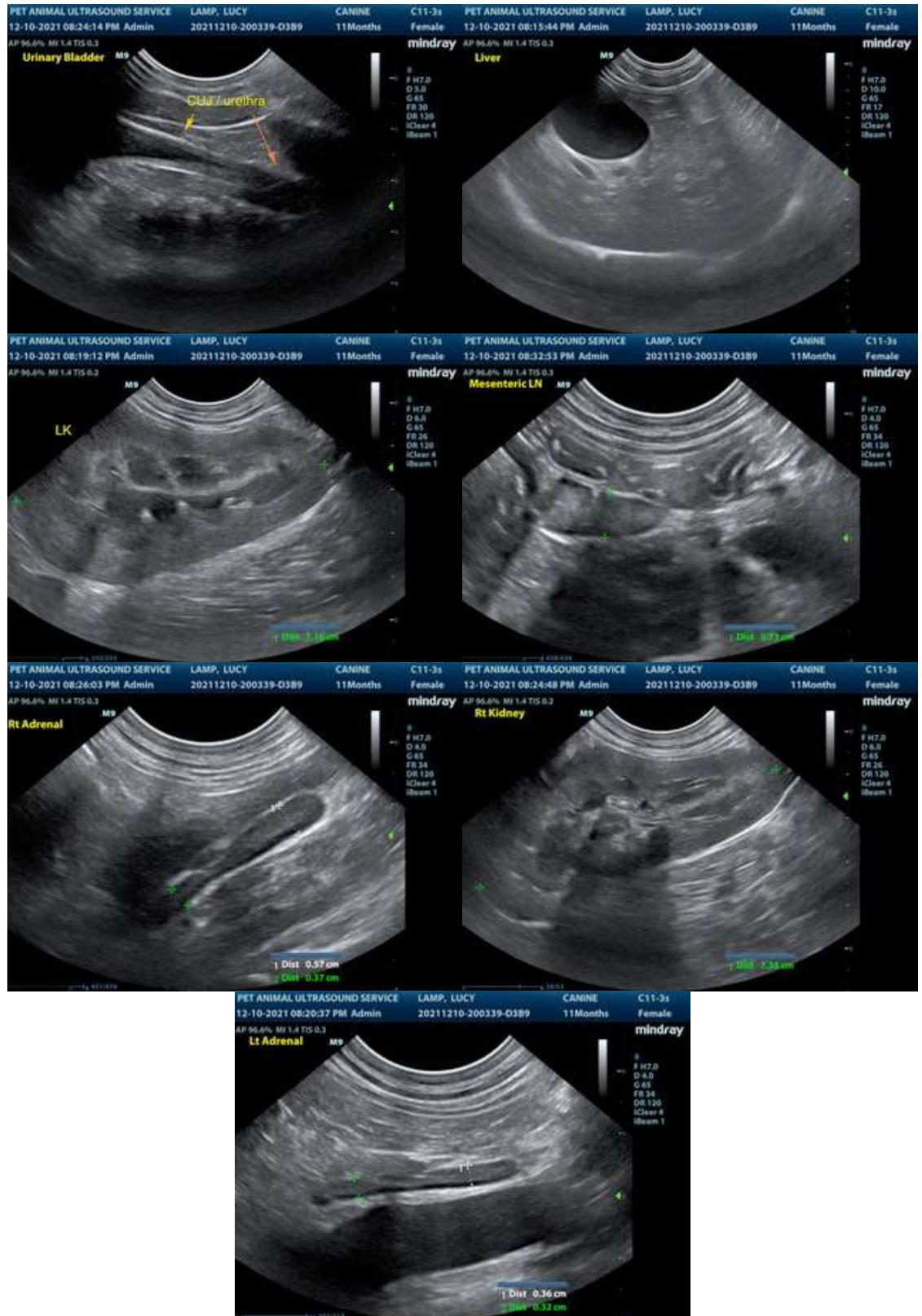
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PATIENT

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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.

SPECIES

Canine

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.

BREED

Berner Doodle

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