



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Destinee Morales History: Hyporexia, lethargy, stranguria, urine leakage, large urinary bladder, last heat ~October

SPECIES Labs: Unremarkable CBC, Chemistry panel: sodium to potassium ratio 38, Globulin 5.2. Urinalysis, Spec Gravity 1.012, 1+ protein, Neg glucose, yellow cloudy color, 2+ epithelial cells, rare coxi

Canine Medication: Baytril, Prazosin

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Pitbull Urinary System

The urinary bladder exhibited mild to moderate distended size. The urinary bladder walls were sonographically unremarkable without evidence of neoplastic or inflammatory criteria. Anechoic urine was present. No sediment or calculi were present. The proximal urethra exhibited subjective mild prominent size yet overall normal tone, measuring 0.78 cm in width to a depth of 4 cm.

SEX

Female

AGE

5 years

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. Minor pyelectasia was noted in the left kidney. The left kidney measured 6.6 cm in length. The right kidney measured 6.4 cm in length.

WEIGHT

55 Pounds

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.60 cm width at the caudal pole and 0.62 cm width at the cranial pole.

INTERPRETED BY

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

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.63 cm width at the caudal pole and 0.77 cm width at the cranial pole.

IMAGING

PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

Spleen

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.

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Liver

REFERRING VET

Dr. Hoffman

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.

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Gastrointestinal

The visualized gastric walls were normal. The lumen of the stomach contained moderate, exhibiting mild progressive distal acoustic shadowing ingesta without signs of obstruction or foreign material.

DATE

12.20.2021



PATIENT

Destinee Morales

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.

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

SPECIES

Canine

Pancreas

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.

BREED

Pitbull

Free Abdomen

No peritoneal effusion was present.

SEX

Female

A solitary medial iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 2.4 cm x 1.1 cm width.

AGE

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Other

The visualized uterus exhibited mild luminal fluid at the level of the urinary bladder and ventral to the distal descending colon. The uterine body measured 0.87 cm in width. Both ovaries were overtly normal in size with the left ovary measuring 1.5 cm in diameter and right ovary measuring 1.7 cm in diameter. Potential cystic structure on the left ovary, which may indicate ovarian cyst or follicle was present. This is likely incidental.

WEIGHT

55 Pounds

ULTRASONOGRAPHIC FINDINGS

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 DVM, DABVP
 (Canine and Feline)

- Distended yet structurally normal urinary bladder- no signs of inflammatory/neoplastic criteria or uroliths.
- Subjective mild prominent visualized proximal urethra
- Mild fluid in uterine body- nonspecific, potential for low-grade to emerging pyometra given time frame from last estrus
- Sonographically unremarkable bilateral kidneys, minor left kidney pyelectasia
- Gastric ingesta with sonographically unremarkable small bowel- postprandial presentation, potential for some degree of gastric hypomotility (if documented NPO)
- Solitary subjectively benign/reactive medial iliac lymph node

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Without overt evidence of lower urinary tract obstructive pathology, an obvious cause of the patient's urinary signs was not definitively evident. Potential for urethritis or non-visualized obstructive pathology in the urethra past depth of approximately 4.0 cm, cannot be definitively excluded.

However, no evidence of proximal urethral urine retention was noted. Pending urine culture and sensitivity and thorough neurological examination recommended. Potential for mild to emerging pyometra possible yet not definitive. Further clinical and sonographic monitoring of the uterus would be ideal. A screening BRAF assay may be considered.

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REFERRING VET

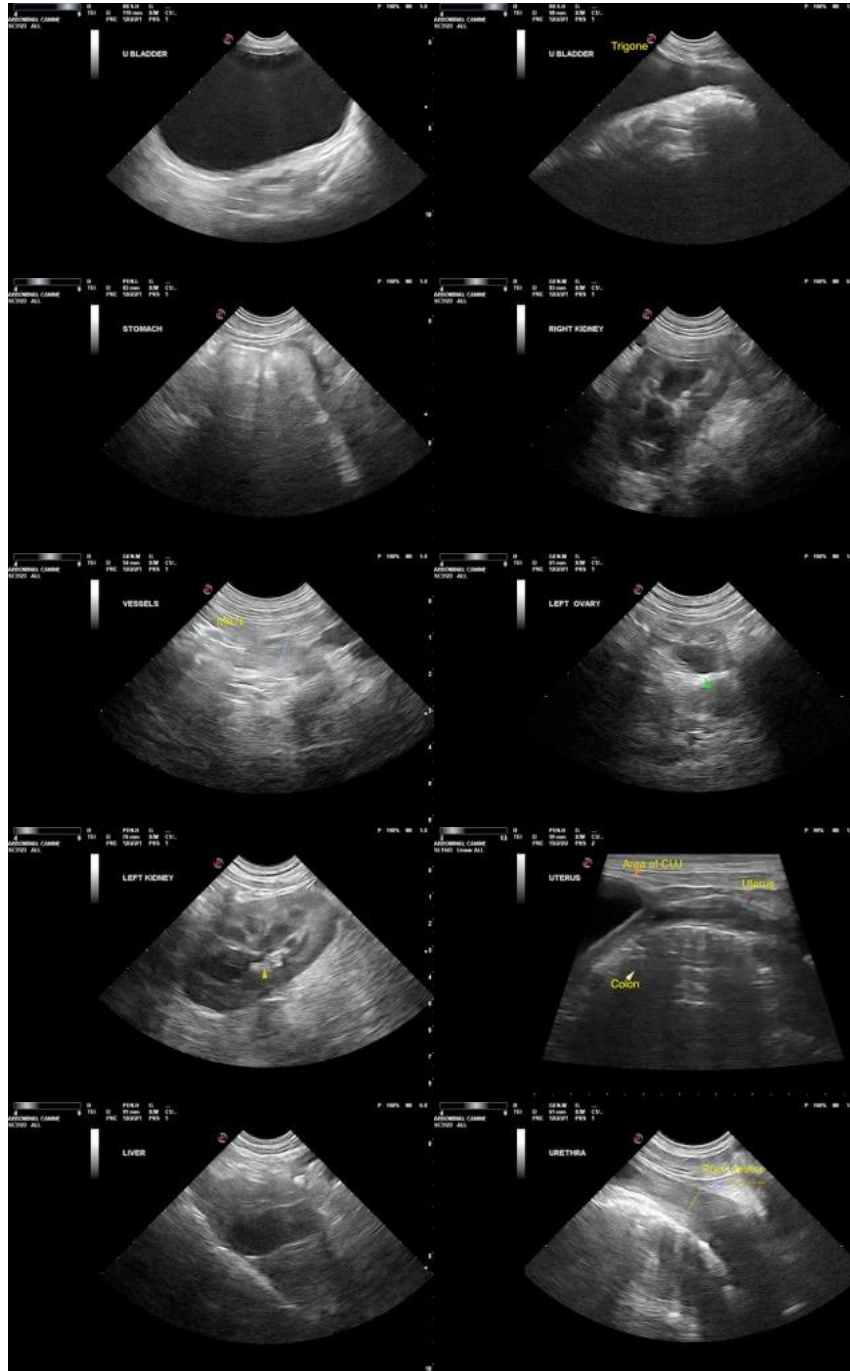
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

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SPECIES

Canine

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Pitbull

SEX

Female

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