



PATIENT

PRESENTING CLINICAL SIGNS

Rolex Stitch

Was HBC early this afternoon. Significant road rash to most of the tail and minor abrasions over the hips scrotum and pinna

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Has swelling and pain when rear legs moved. No long bone fractures but multiple bilateral pelvic fractures. Hematuria on catheterization. Bladder small. injected saline into bladder and no leakage Xrays: 1. Fracture of the body of the left ilium. 2. Fracture of the caudal aspect of the right acetabulum. 3. Right sacroiliac subluxation with a concurrent slab fracture involving the lateral aspect of the right side of the sacrum. 4. Fractures of the right and left pubis and left ischium. 5. Intervertebral disc disease at C2-C3 and C5-C6. 6. Unremarkable thoracolumbar spine; however, this does not rule out the possibility of spinal cord compressive or infiltrative disease. 7. Unremarkable thorax. 8. Unremarkable abdomen. CBC WNL. Chem ALT 136 (N 10-125)

BREED

Pitbull

SEX

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

MI

Urinary System

AGE

2yr

Intact variably prominent urinary bladder wall present in the area of the trigone and cystourethral junction extending into the proximal urethra. Anechoic urine was present in the lumen with moderate particulate sediment. The sediment may indicate cellular debris / protein, crystalline debris, lipid, or mucus. Injection of agitated saline into the bladder during the study was visualized without evidence of leakage. Subtle pericycstic hyperechoic omentum was present.

WEIGHT

30kg

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 pelvic dilation. The left kidney measured 6.4 cm in length. The right kidney measured 7.4 cm in length.

INTERPRETED BY

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

A solitary mildly prominent to enlarged 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 node measured 1.7 cm in diameter.

IMAGING PERFORMED BY

Dr Brian J Barnes

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.2 cm in diameter.

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Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.70 cm width at the caudal pole and 2.3 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.44 cm width at the caudal pole and 2.7 cm length.

REFERRING VET

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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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DATE

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Liver/Gallbladder



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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. Normal vascular volume. 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.

SPECIES

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Gastrointestinal

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.

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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.

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

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.

AGE

2yr

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion/hemoabdomen was present.

WEIGHT

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ULTRASONOGRAPHIC FINDINGS

- Intact urinary bladder with moderate sediment.
- Benign prostatic hyperplasia.
- Normal bilateral kidneys.
- Normal liver/spleen/peritoneal cavity.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Subjective mild urinary bladder trauma secondary to the HBC yet no evidence of urinary bladder rupture or leakage present. No evidence of additional intra-abdominal trauma/bleeding. Supportive care is recommended.

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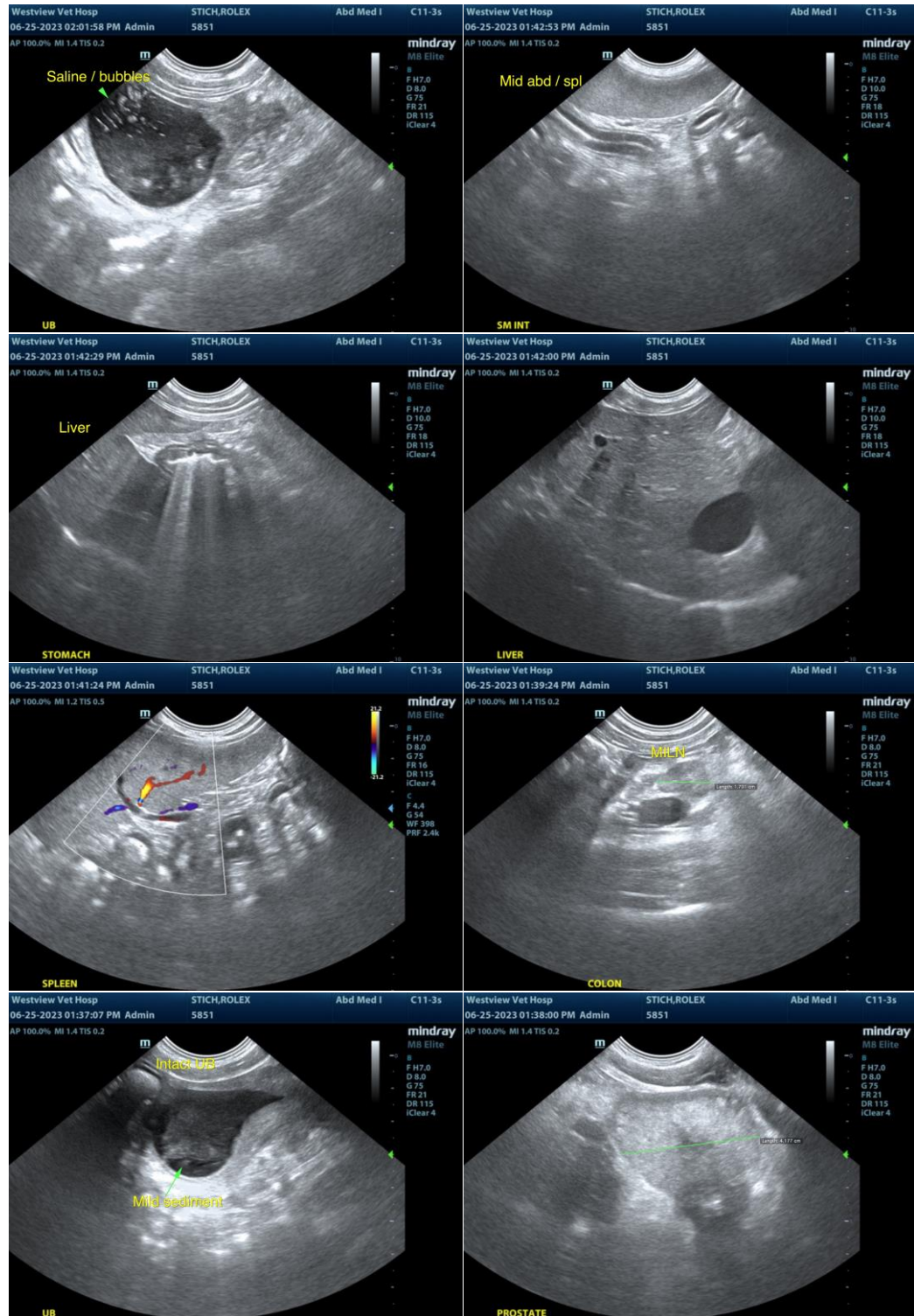
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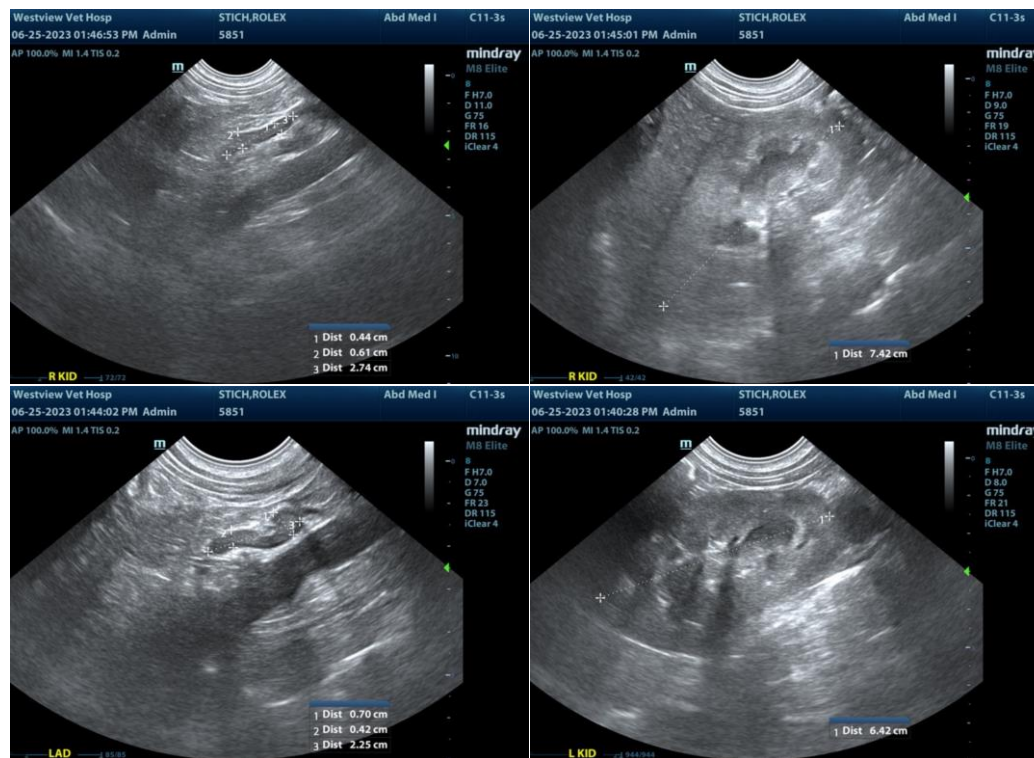
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

IMAGING PERFORMED BY

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