



PATIENT

Sam Malette DeVries

SPECIES

Canine

BREED

Beagle x

SEX

Spayed Female

AGE

8 Years

WEIGHT

15.5 kg

INTERPRETED BY

Dr Brittany Sinclair,
 BVSc(hons),
 DACVECC

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Wellington Animal
 Hospital

REFERRING VET

Dr. Dennis

INVOICE

74333

DATE

4/9/26

PRESENTING CLINICAL SIGNS

Presented to local emergency clinic on Sunday April 5th for hematuria, stranguria. Point of care ultrasound performed during cystocentesis for urine sample and they were concerned for a mass. Radiographs taken with no stones noted. Urinalysis showed marked hematuria with occasional calcium oxalate crystals, no overt pyuria.

Current Medications: Metacam once daily

Abnormal PE/Chem/CBC/UA Results: Labwork from emerge clinic attached Rad Report: - The liver has slightly rounded margins - The spleen is normal in size and margination. - The kidneys are normal in size, no mineral opacities noted. - The urinary bladder is small in size with a smooth outline, no radiopaque calculi noted. - The gastric axis is normal and the stomach looks to contain a small amount of fluid and gas. - The small intestines appear normal. - The colon appear normal. - Serosal detail within the abdomen appears appropriate. - Skeletal structures visualized are unremarkable. Radiographic Interpretation: - No evidence of urinary calculi

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and visible pelvic urethra were of normal thickness. The ureters were not visible which is normal. There was normal wall layering with no masses, uroliths or abnormal thickening visualized. Urine was anechoic. No evidence of inflammatory or neoplastic changes were noted.

The kidneys were both normal size and structure, with smooth capsule and normal corticomedullary definition and ratio. Medullary structure differed distinctly from that of the cortex. No evidence of pelvic dilation was present. Left kidney measures 5.62 cm. Right kidney measures 5.54 cm.

Adrenal Glands

Both adrenal glands were visualized and recognized as having normal shape, size, position and echogenicity for this breed and age. The visible phrenic vasculature was unremarkable. Left measures 1.8 cm in length x 0.54 cm at the caudal pole and 0.45 cm at the cranial pole. Right measures 1.51 cm in length x 0.57 cm in thickness.

Spleen

The spleen had a generally smooth homogeneous parenchyma and a smooth capsule with a solitary hyperechoic nodule visualized most consistent with benign myelolipoma. There was normal splenic vasculature with no signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarct changes were noted.

Liver

The liver is subjectively normal in size with normal contours and structure. There is age appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion.

Gall bladder is moderately distended with normal wall thickness and anechoic contents. Common bile duct is non-distended and tapers normally.



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Gastrointestinal

The stomach contains minimal luminal contents. It measures at a normal thickness of with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate. No masses or focal lesions were observed.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. There were no focal lesions consistent with obstruction or a mass effect observed.

Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

The area of the pancreas was isoechoic to surrounding tissue with no overt inflammation. Pancreatic tissue was not distinctly visualized which is common.

Free Abdomen

A visualized mesenteric lymph node is slightly prominent, measuring approximately 1.5 cm x 0.80 cm. No free fluid noted.

ULTRASONOGRAPHIC FINDINGS

- Normal urinary bladder and kidneys.
- Benign perivascular splenic myelolipoma.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No cause of hematuria is apparent in this study. No urinary bladder stones, mural thickening or signs of inflammation or debris were present. No significant renal abnormalities to explain the lower urinary signs were visualized. Urine culture of a cystocentesis sample (if not already done) with sensitivity is recommended to rule out occult urinary tract infection. Thorough physical exam and historical information gathering to search for presence of predisposing factors for ascending infection such as skin disease, vulvar conformation or husbandry which may be predisposing to vulvovaginitis ascending infections is important. Ultimately cystoscopy may be required for more definitive diagnosis. Current bloodwork to assess coagulation status and overall organ function is recommended.

In female dogs with vulvar conformation issues predisposing to ascending infections, once initial urine and/or skin infections are controlled, maintenance cleaning of the vulvar folds with water wipes after urination or at least twice daily may be enough to prevent recurrence. Maintenance of a healthy weight is also important. Vulvoplasty is a consideration if less invasive measures are ineffective.



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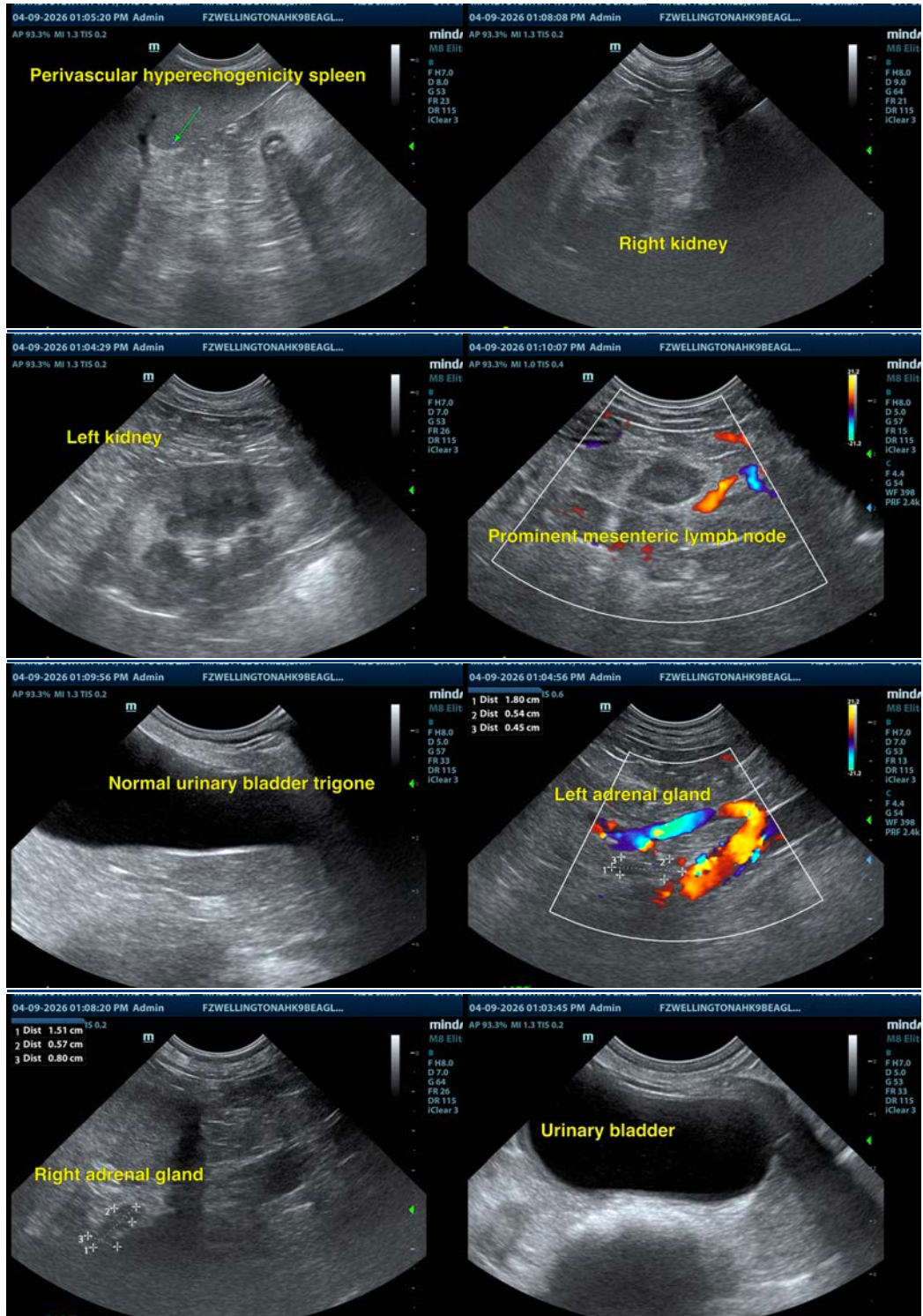
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Dr Brittany Sinclair, BVSc(hons), DACVECC

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