



**PATIENT PRESENTING CLINICAL SIGNS**

Nikoa Swartz bloody urine, is intact with hx of prostatitis  
normal PE otherwise  
Current Medications Gabapentin 600mg + Trazodone 150mg

**SPECIES** Abnormal PE/Chem/CBC/UA Results: none done recently Radiographic Findings none done  
recently Primary Question to Be Answered in This Exam Does he have prostate cancer

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

Samoyed An apical, sessile based asymmetrical non-homogenous mass was present extending into urinary bladder lumen. The mass measured ~ 3.6 by 2.6 am. The remainder of the urinary bladder wall was sonographically normal. Anechoic urine was present in the lumen with mild non-dependent particulate urine sediment, no evidence of mineral or calculi.

**SEX** MI The prostate was enlarged in size with intact, primarily symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was heterogeneous with a mixed pattern of varying echogenicity without evidence of parenchymal mineralization. Mild diffuse small prostatic cysts were present. The prostate measured ~ 5 cm in diameter.

**AGE** 8yr Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 8.4 cm in length. The right kidney measured 8.5 cm in length.

**WEIGHT** 46.7kg The area of the iliac trifurcation was free of pathology including no evidence of medial iliac or sublumbar lymphadenopathy or masses.

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

**Adrenal Glands**

The bilateral adrenal glands were overtly normal in size, position and shape. The left adrenal gland measured 0.58 cm width at the caudal pole. The right adrenal gland measured 0.54 cm width at the caudal pole.

**IMAGING PERFORMED BY**

Amanda Stewart

**Spleen**

**HOSPITAL NAME** Ingersoll VS The spleen exhibited normal size and contour with primarily homogenous parenchyma. A solitary, non-capsule deforming, mildly non-homogenous mid to cranial splenic nodule was present measuring 2.3 cm in diameter.

**REFERRING VET** *Liver/Gallbladder*

Allen

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

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**PATIENT** *Gastrointestinal*

Nikoa Swartz 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.

**SPECIES** 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 mechanical/metabolic ileus, obstruction or foreign material.  
 Canine Normal visible colon wall layers were present with apparent formed feces in lumen.

**BREED** *Pancreas*

Samoyed 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.

**SEX** *Free Abdomen*

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

**AGE** **ULTRASONOGRAPHIC FINDINGS**

8yr **Primary**

- WEIGHT** 46.7kg
- Apical urinary bladder mass
  - Enlarged non-homogenous, mildly cystic prostate-benign prostatic hyperplasia vs prostatitis, prostatic neoplasia felt less likely yet not excluded
  - Mild age-related renal changes
  - Splenic nodule
  - Hepatomegaly

**INTERPRETED BY**

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 DVM, DABVP  
 (Canine and Feline)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The urinary bladder mass is consistent with neoplastic criteria, i.e. transitional cell carcinoma with significant to polyploid apical cystitis felt less likely. BRAF assay and correlation with UA/ urine C/S and prostatic sampling is recommended. No obvious evidence of regional lymphatic metastasis.

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Potential etiologies for the splenic nodule may include benign processes such as nodular hyperplasia, extramedullary hematopoiesis, hematoma, infection, or concurrent primary or metastatic neoplasia. Ultrasound guided FNA of the nodule using 25-gauge needle and assuming normal coagulation parameters may be considered. Otherwise, sonographic monitoring of the splenic nodules for any changes in size or appearance with initial recheck in 3-4 weeks would be a more conservative approach.

**HOSPITAL NAME**  
 Ingersoll VS

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The hepatomegaly suggests benign criteria. Correlation with hepatic enzyme assessment is recommended.

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**PATIENT**

Nikoa Swartz

**SPECIES**

Canine

**BREED**

Samoyed

**SEX**

MI

**AGE**

8yr

**WEIGHT**

46.7kg

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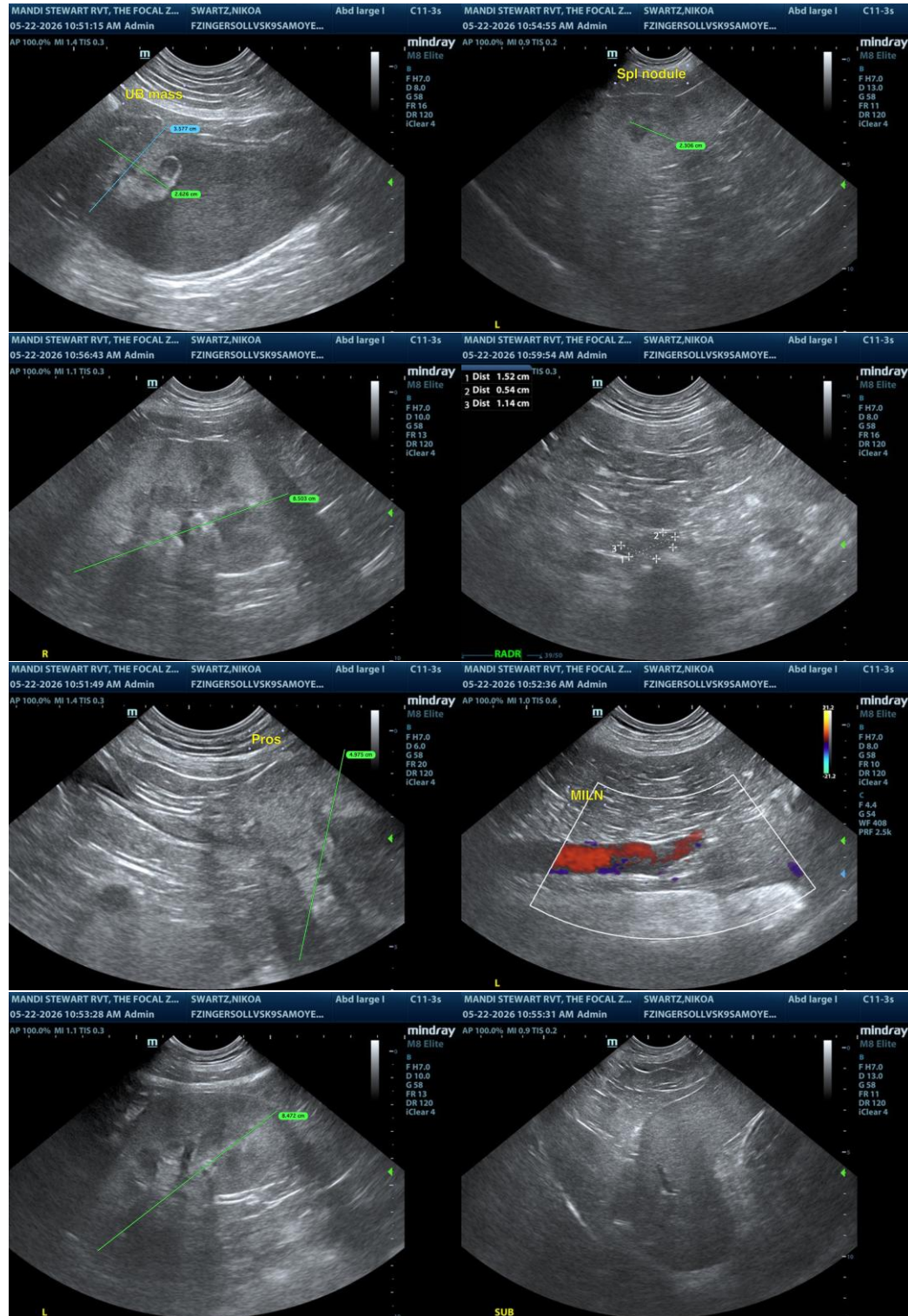
Allen

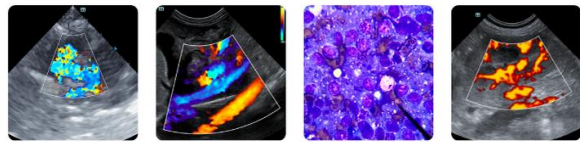
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**PATIENT**

Nikoa Swartz

**SPECIES**

Canine

**BREED**

Samoyed

**SEX**

MI

**AGE**

8yr

**WEIGHT**

46.7kg

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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.

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