



**PATIENT PRESENTING CLINICAL SIGNS**

Raven Dennis History: came up positive on the cancer blood test, so this is a general screening.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

German Shepherd

**SEX**

The left kidney is normal in size (7.08 cm in length) with a normal shape, architecture and smooth peripheral margins. The cortex is isoechoic relative to the spleen. There is a normal 1:3 cortex to medulla ratio with mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Female Spayed

**AGE**

1.21.13

The right kidney is normal in size (7.58 cm in length) with a normal shape, architecture and smooth peripheral margins. The cortex is isoechoic relative to the spleen. There is a normal 1:3 cortex to medulla ratio with mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

**WEIGHT**

NP

**Adrenal Glands**

**INTERPRETED BY**

The left adrenal gland is normal in size (0.55 cm at cranial pole) (0.78 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small  
Animal Internal Medicine*)

The right adrenal gland is in normal size (1.27 cm at cranial pole) (0.78 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**IMAGING  
PERFORMED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small  
Animal Internal Medicine*)

**HOSPITAL NAME**

**Spleen**

The spleen is normal in size (1.94 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Foxbank VH

**Liver**

**REFERRING VET**

The liver is subjectively normal in size with normal contours and structure. There is 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. No pathological hepatic lymphadenopathy observed. The portal vein to caudal vena cava ratio is approximately 1: 1.

Dr Parsons

**INVOICE**

The gall bladder lumen is moderately distended. The wall is thin and smooth. A moderate amount of aggregated, echogenic, gravity-dependent to partially dependent debris/sludge is observed within the lumen. The cystic and common bile ducts are normal/not seen.

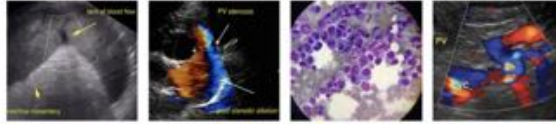
13765

**DATE**

**Gastrointestinal**

7.21.23

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.



**PATIENT**

Raven Dennis

**Pancreas**

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

**SPECIES**

Canine

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

**BREED**

German Shepherd

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Female Spayed

**Primary Findings**

- Mild bilateral chronic renal changes
  - Gall bladder debris/sludge, non-mucocele
  - Minor age-related pancreatic remodeling in the right limb
- \*There is no obvious evidence of neoplasia in the abdomen.

**AGE**

1.21.13

**WEIGHT**

NP

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small Animal Internal Medicine*)

- Three-view thoracic radiographs are recommended to assess for neoplasia in the chest.
- Further recommendations should be based on the chest radiographs and echocardiogram results.

**IMAGING PERFORMED BY**

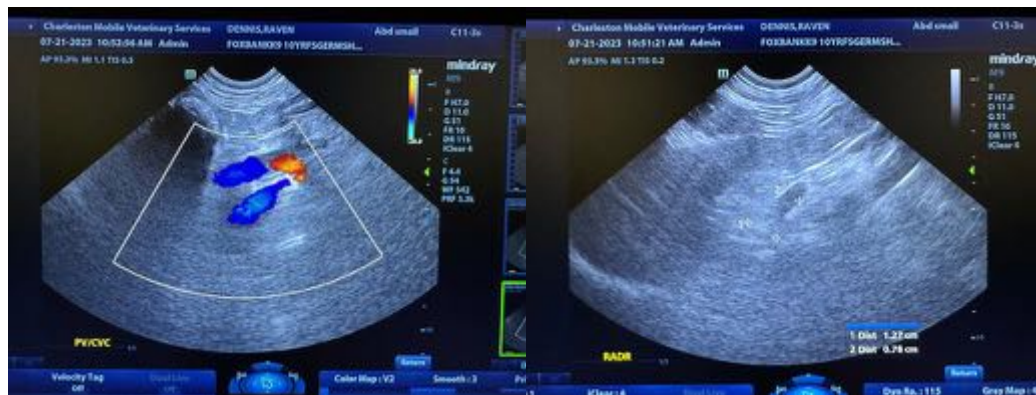
Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small Animal Internal Medicine*)

**HOSPITAL NAME**

Foxbank VH

**REFERRING VET**

Dr Parsons



**INVOICE**

13765

**DATE**

7.21.23



**PATIENT**

Raven Dennis

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

Female Spayed

**AGE**

1.21.13

**WEIGHT**

NP

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small Animal Internal Medicine*)

**IMAGING PERFORMED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small Animal Internal Medicine*)

**HOSPITAL NAME**

Foxbank VH

**REFERRING VET**

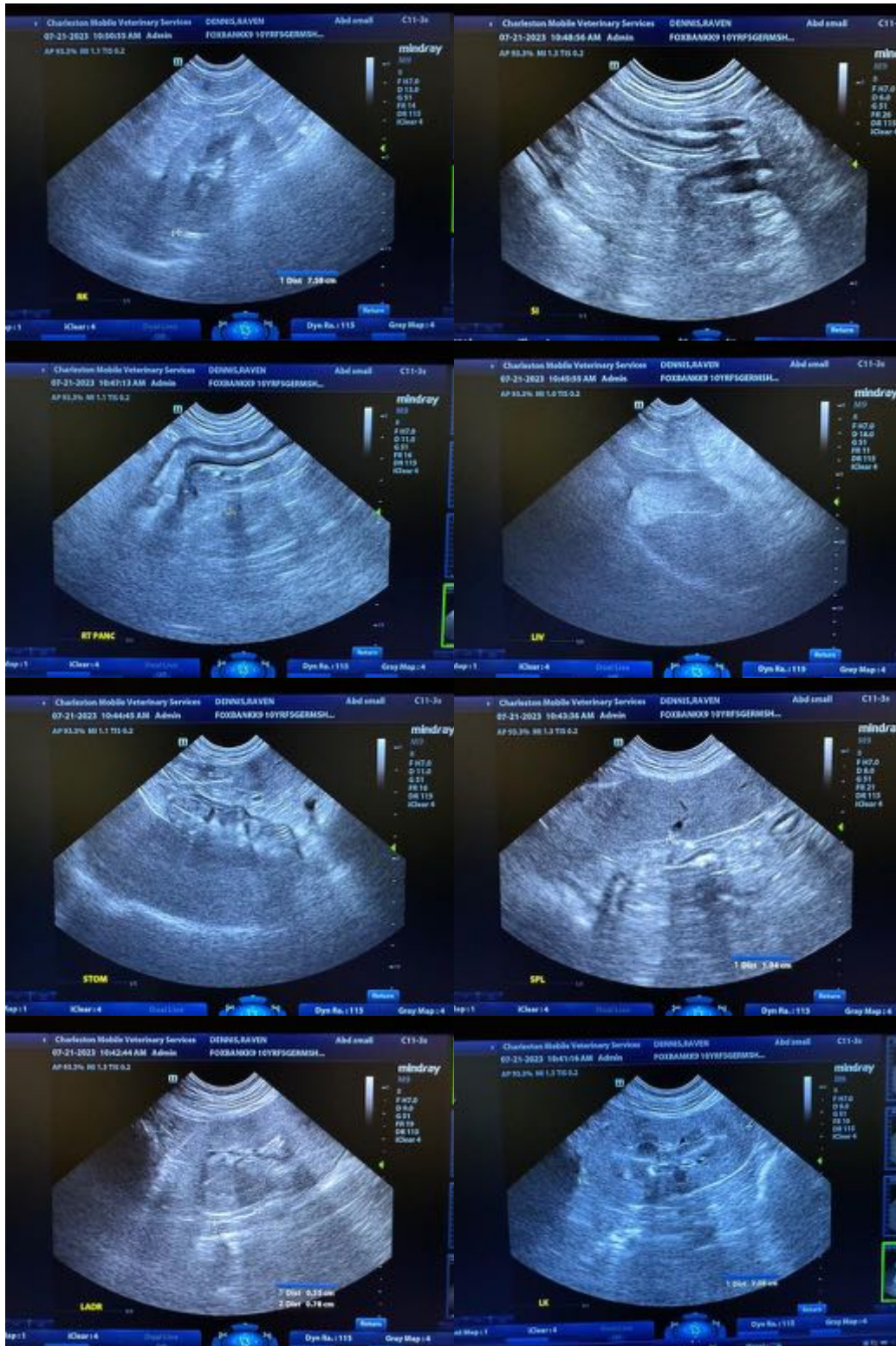
Dr Parsons

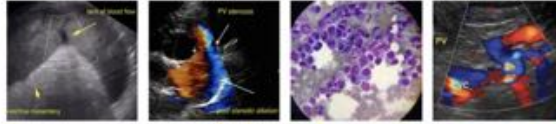
**INVOICE**

13765

**DATE**

7.21.23





**PATIENT**

Raven Dennis

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.

**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**

German Shepherd

**Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)**  
[info@SonoPath.com](mailto:info@SonoPath.com)

**SEX**

Female Spayed

**AGE**

1.21.13

**WEIGHT**

NP

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small  
Animal Internal Medicine*)

**IMAGING  
PERFORMED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM (*Small  
Animal Internal Medicine*)

**HOSPITAL NAME**

Foxbank VH

**REFERRING VET**

Dr Parsons

**INVOICE**

13765

**DATE**

7.21.23