



## PATIENT

Ranger Hilt

## SPECIES

Canine

## BREED

Mixed

## SEX

Spayed Female

## AGE

10 Years 1 Month

## WEIGHT

21.3 kg

## INTERPRETED BY

Beth Johnson, DVM  
DACVIM

## IMAGING PERFORMED BY

Dr. Brian Barnes

## HOSPITAL NAME

Westview Veterinary  
Hospital

## REFERRING VET

Dr Brian Barnes

## INVOICE

74283

## DATE

4/7/26

## PRESENTING CLINICAL SIGNS

Five day history of weakness, collapsing, reluctant to jump. Mild icterus. Compatible with IMHA

Abnormal PE/Chem/CBC/UA Results: Reg anemia HCT 13.5 %, Increased WBC, Increased retic, Normal plts On slide agglutination T Bil 45 (N 0-15) U/A Hematuria, ve hemoglobinuria, proteinuria

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder is adequately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

The right kidney is normal is size (6.56 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

The left kidney is normal is size (6.58 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

### Adrenal Glands

The right adrenal gland is normal in size (0.89 cm at cranial pole and 0.47 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.72 cm at cranial pole and 0.49 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

### Spleen

The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

### Liver

The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

Gallbladder is moderately distended with anechoic bile as well as suspended and gravity dependent echogenic debris. Some mineral/sand debris is suspected without visible evidence of obstruction noted in these images at this time. The wall is smooth without visible thickening. There is no evidence of cystic or CBD dilation. There is no evidence of effusion or inflammation.

### Gastrointestinal

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is mildly distended with a small to moderate amount of echogenic non-shadowing luminal contents and gas



## PATIENT

Ranger Hilt

## SPECIES

Canine

## BREED

Mixed

## SEX

Spayed Female

## AGE

10 Years 1 Month

## WEIGHT

21.3 kg

## INTERPRETED BY

Beth Johnson, DVM  
DACVIM

## IMAGING PERFORMED BY

Dr. Brian Barnes

## HOSPITAL NAME

Westview Veterinary  
Hospital

## REFERRING VET

Dr Brian Barnes

## INVOICE

74283

## DATE

4/7/26

consistent with normal ingesta. There is no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

The visible colon is normal in wall thickness (< 0.2 cm) and layering. It is diffusely mildly distended with soft stool.

### **Pancreas**

The pancreas that is observed appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

### **Free Abdomen**

There is no visible free peritoneal effusion noted in these images.

There is no apparent pathologic lymphadenopathy noted in these images.

## **ULTRASONOGRAPHIC FINDINGS**

- Moderate gallbladder debris - Cholecystic debris is of unknown clinical significance. It can be seen with biliary stasis from fasting or illness. Cholecystic debris is not necessarily related to hepatobiliary disease. Echogenic bile is most commonly an incidental finding in dogs and should be interpreted in combination with clinical signs such as nausea, inappetence, cranial abdominal discomfort and/or laboratory changes such as increased ALP and/or increased Tbili. Some non-visibly obstructive mineral/sand debris and possibly small cholecystoliths are suspected.
- Suspect emerging soft stool or diarrhea.

## **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Given the reported concern or suspicion of autoimmune hemolytic anemia, three view thoracic radiographs are recommended for further assessment of cardio-pulmonary status as well as to further evaluate for any evidence of metastatic disease, if not recently evaluated.

Comprehensive infectious disease evaluation could be considered.

Otherwise, there is not a definitively ultrasonographically visible intraabdominal explanation for the reported signs, or suspected underlying cause noted.



**PATIENT**

Ranger Hilt

**SPECIES**

Canine

**BREED**

Mixed

**SEX**

Spayed Female

**AGE**

10 Years 1 Month

**WEIGHT**

21.3 kg

**INTERPRETED BY**

Beth Johnson, DVM  
DACVIM

**IMAGING PERFORMED BY**

Dr. Brian Barnes

**HOSPITAL NAME**

Westview Veterinary  
Hospital

**REFERRING VET**

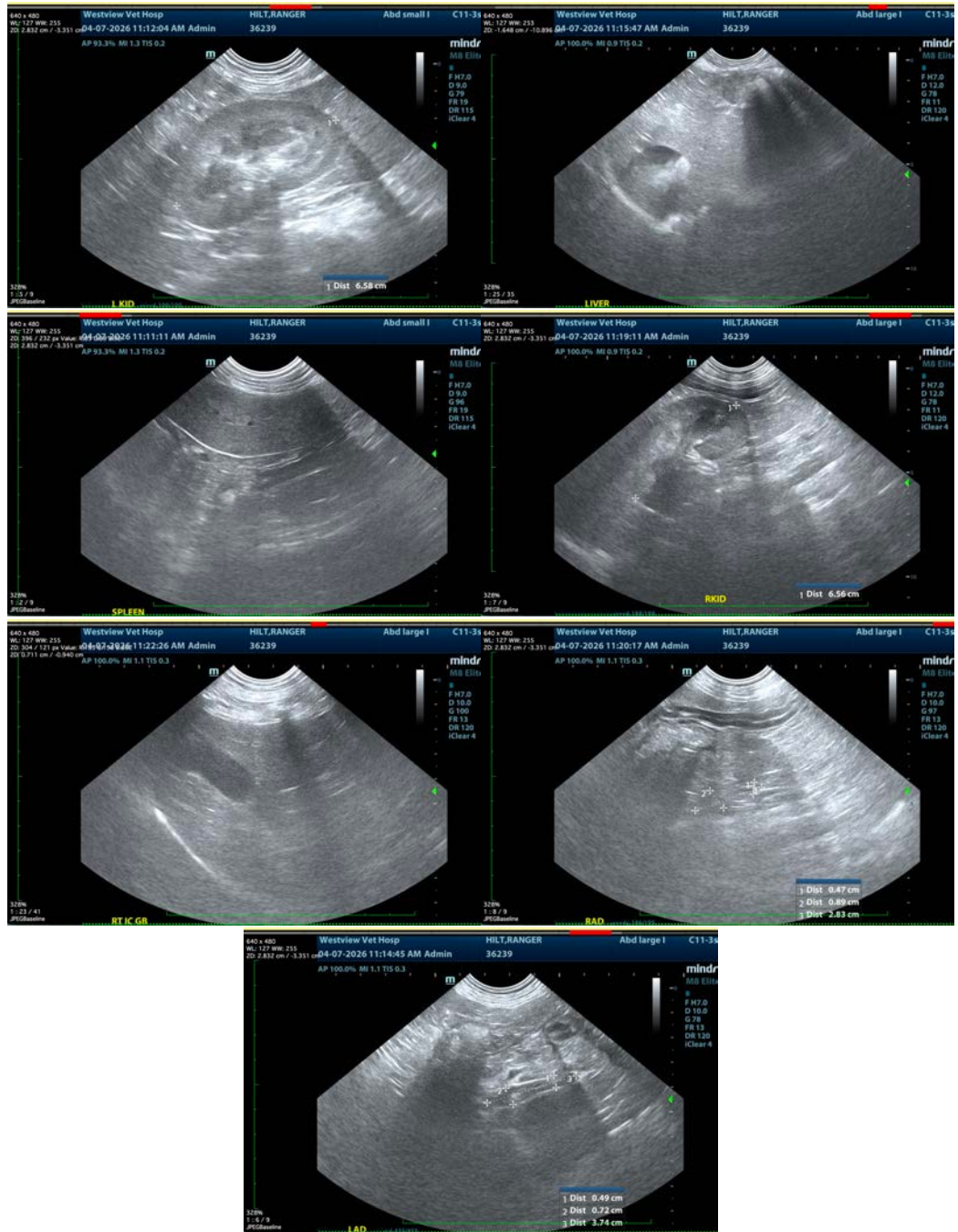
Dr Brian Barnes

**INVOICE**

74283

**DATE**

4/7/26





## PATIENT

Ranger Hilt

## SPECIES

Canine

## BREED

Mixed

## SEX

Spayed Female

## AGE

10 Years 1 Month

## WEIGHT

21.3 kg

## INTERPRETED BY

Beth Johnson, DVM  
DACVIM

## IMAGING PERFORMED BY

Dr. Brian Barnes

## HOSPITAL NAME

Westview Veterinary  
Hospital

## REFERRING VET

Dr Brian Barnes

## INVOICE

74283

## DATE

4/7/26

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.

**Beth Johnson, DVM, DACVIM**  
info@sonopath.com