



## PATIENT

Herman Rogowski

## SPECIES

Canine

## BREED

Dachshund

## SEX

Male

## AGE

8 years

## WEIGHT

11 kg

## INTERPRETED BY

Kim Radway, DVM,  
DABVP (Canine/  
Feline)

## IMAGING PERFORMED BY

Ryan Bergner, LVT

## HOSPITAL NAME

Waterville Veterinary  
Clinic

## REFERRING VET

Dr. Heather Culbertson

## INVOICE

11772

## DATE

4/23/2026

## PRESENTING CLINICAL SIGNS

History of elevated liver enzymes and a previous positive Lyme disease test. Owner is concerned about a recent increase in aggressive behavior, particularly directed towards her husband. Started on Hills Liver care diet. O tried Denamarin last year, but did not seem to help values, so stopped giving.

Abnormal PE/Chem/CBC/UA Results: 4/11 BW: Alb - 4.4, ALT - 352, AST - 75, ALP - 227 4/23/25: ALT - 265, ALP - 359.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone and pelvic urethra presented with normal wall thicknesses with anechoic urine and normal tone. No uroliths or masses were noted in the lumen of the bladder. No evidence of inflammatory or neoplastic changes were noted. The ureters were not visible and considered normal.

The **prostate** was found to be enlarged in size with a hyperechoic and coarse echogenicity. The prostate measured 3.73 cm x 2.85 cm in size.

The **kidneys** revealed normal size, corticomedullary definition and ratio with the cortex being 1/3 of medulla. Medullary echogenicity differed distinctly from that of the cortex and no evidence of dilation could be seen. The renal pelvic diverticuli were distinct in character. The capsules were acceptably uniform without dramatic irregularities. Left kidney measures 5.9 cm, and the right kidney measures 5.63 cm.

### Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were acceptable. Left adrenal measures 1.16 cm x 0.38 cm x 0.47 cm. The right adrenal measures 1.6 cm x 0.52 cm x 0.51 cm.

### Spleen

The **spleen** presented with a smooth homogeneous parenchyma hyperechoic to liver and kidney. The capsule was smooth and linear in its contour. The splenic vasculature demonstrated normal volume without signs of congestion, significant contraction, or thrombosis.

### Liver

The **liver** revealed normal size, contour, and structure. Parenchymal echogenicity was smooth and homogenous in appearance. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented with anechoic contents and a thin hyperechoic wall. The cystic and common bile ducts were normal. No periportal lymphadenopathy was evident.

### Gastrointestinal

The **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. There was a small amount of gas in the lumen of the stomach. No obstructive or overt infiltrative disease was noted. No abnormal lymphatic activity was noted, and the abdomen was free of gastrointestinal masses and pathological fluid.



## PATIENT

Herman Rogowski

## SPECIES

Canine

## BREED

Dachshund

## SEX

Male

## AGE

8 years

## WEIGHT

11 kg

## INTERPRETED BY

Kim Radway, DVM,  
DABVP (Canine/  
Feline)

## IMAGING PERFORMED BY

Ryan Bergner, LVT

## HOSPITAL NAME

Waterville Veterinary  
Clinic

## REFERRING VET

Dr. Heather Culbertson

## INVOICE

11772

## DATE

4/23/2026

## Pancreas

The right and left limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic capsular contour was acceptably normal. No overt evidence of active inflammatory or neoplastic disease was noted.

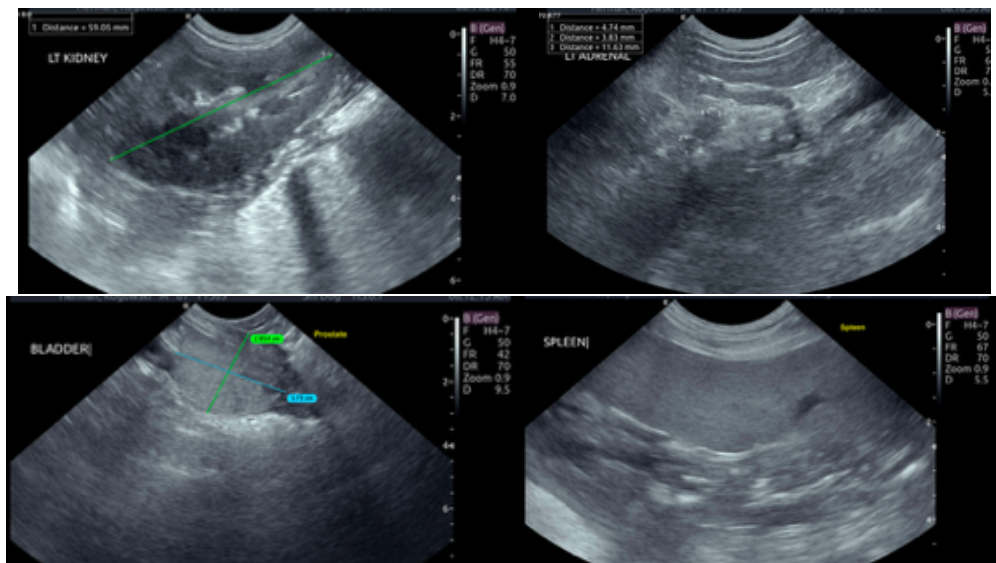
## ULTRASONOGRAPHIC FINDINGS

- Enlarged hyperechoic and course prostate.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This patient had a normal appearance throughout the hepatic parenchyma without evidence of discrete masses or nodules. Differential diagnosis would include a vacuolar hepatopathy, regenerative hyperplastic nodules, chronic hepatitis, or much less likely infiltrative neoplasia. A liver biopsy would be required for a definitive diagnosis. Since this patient does not have abnormal clinical signs associated with liver disease currently, and the liver values have recently improved and are not greater than 3 – 4 times the high end of normal, then supportive care with Denamarin and careful monitoring is recommended. Despite the previous history that Denamarin did not lower the liver enzymes, there is still support for giving this liver supplement long term.

It is strongly recommended that this patient be castrated due to evidence of underlying benign prostatic hypertrophy with an enlarged, hyperechoic and course prostate. There is also concern that this patient is showing aggression to a family member, which may improve with castration. If the aggression remains, then referral to a board-certified animal behaviorist should be considered.





## PATIENT

Herman Rogowski

## SPECIES

Canine

## BREED

Dachshund

## SEX

Male

## AGE

8 years

## WEIGHT

11 kg

## INTERPRETED BY

Kim Radway, DVM,  
DABVP (Canine/  
Feline)

## IMAGING PERFORMED BY

Ryan Bergner, LVT

## HOSPITAL NAME

Waterville Veterinary  
Clinic

## REFERRING VET

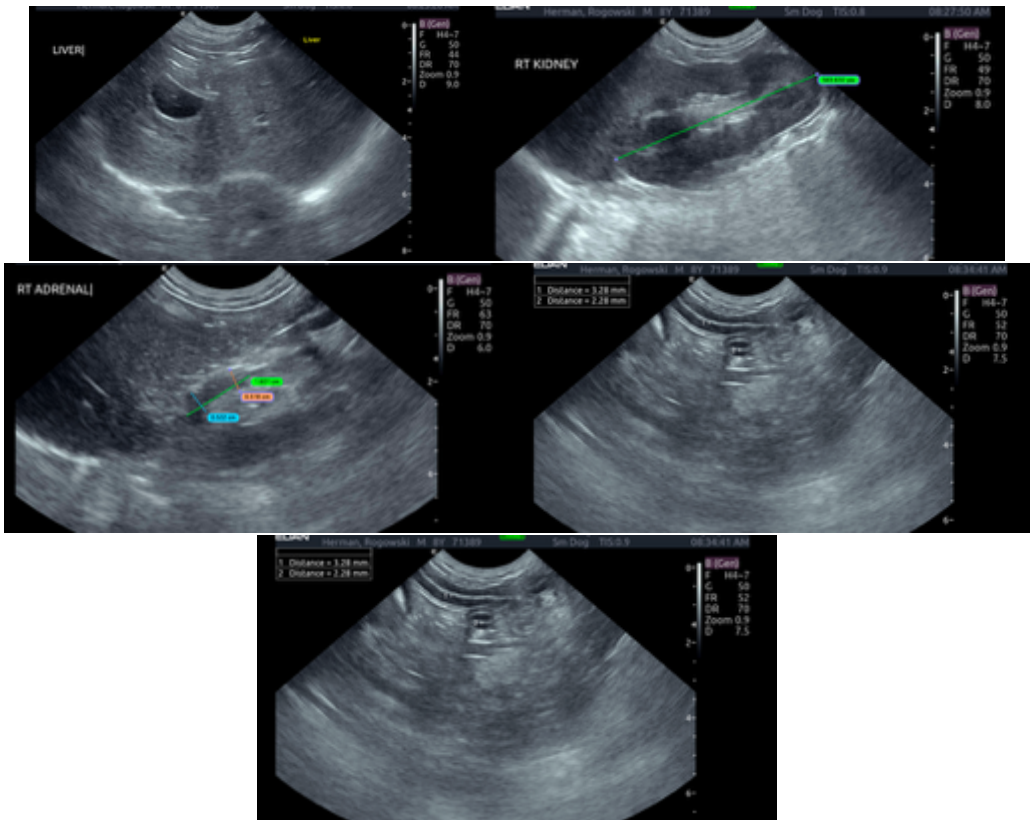
Dr. Heather Culbertson

## INVOICE

11772

## DATE

4/23/2026



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.

Kim Radway, DVM, DABVP (Canine/ Feline)

[info@SonoPath.com](mailto:info@SonoPath.com)