



## PATIENT

Pippin PuppyMill  
Rescue

## SPECIES

Canine

## BREED

Papillon

## SEX

Male

## AGE

4 Months

## WEIGHT

1.74 pounds

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

## IMAGING PERFORMED BY

Dr. Danielle Shemanski  
DVM, MA

## HOSPITAL NAME

Western New York  
Veterinary Services

## REFERRING VET

Dr. Kristen Rogers  
DVM

## INVOICE

13696

## DATE

02/10/26

## PRESENTING CLINICAL SIGNS

- RDVM REASON FOR REFERRAL: Failure to gain weight; RDVM would like to rule out PSS/EHPSS vs MVD. Note that Pippin is not clinical for a portosystemic shunt. Elevated proBNP, but no specific cardiac abnormality found (echo results pending). P is stable
- MEDICATIONS: Omeprazole for the hydrocephalus

Abnormal PE/Chem/CBC/UA Results: ProBNP: 1014.7 pmol/L.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra to a depth of 1.0 cm presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized, and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

A trace amount of physiologic free fluid was noted.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. Slight pinpoint mineralizations were noted. The capsules were acceptably uniform without significant irregularities. The left kidney measured 2.88 cm in length. The right kidney measured 3.07 cm in length.

### 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 unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.31 cm width. The right adrenal gland measured 0.30 cm width.

### Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

### Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident. The portal vein measured 0.35 cm I width with normal size and contour and normal branching. The vena cava measured 0.40 cm.

### Gastrointestinal



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There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted. The pylorus was patent.

## Pancreas

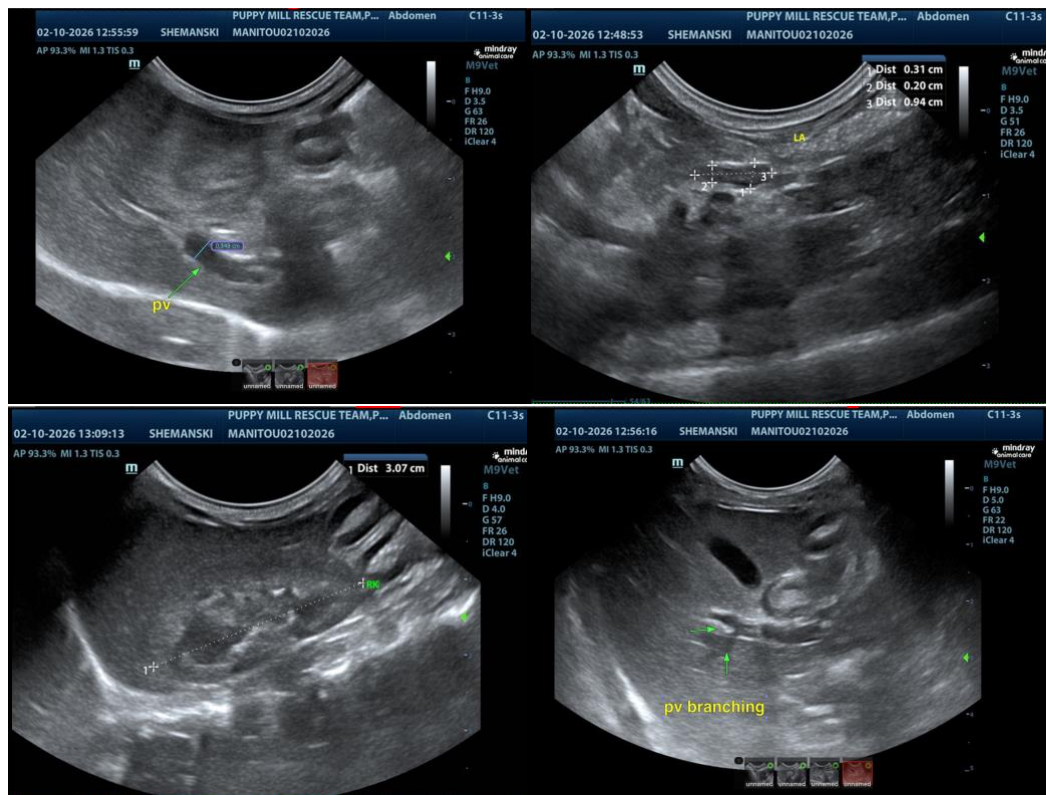
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal, and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

## ULTRASONOGRAPHIC FINDINGS

- Normal abdomen.
- Partially full stomach.
- Slight renal mineralization.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of portosystemic shunting.





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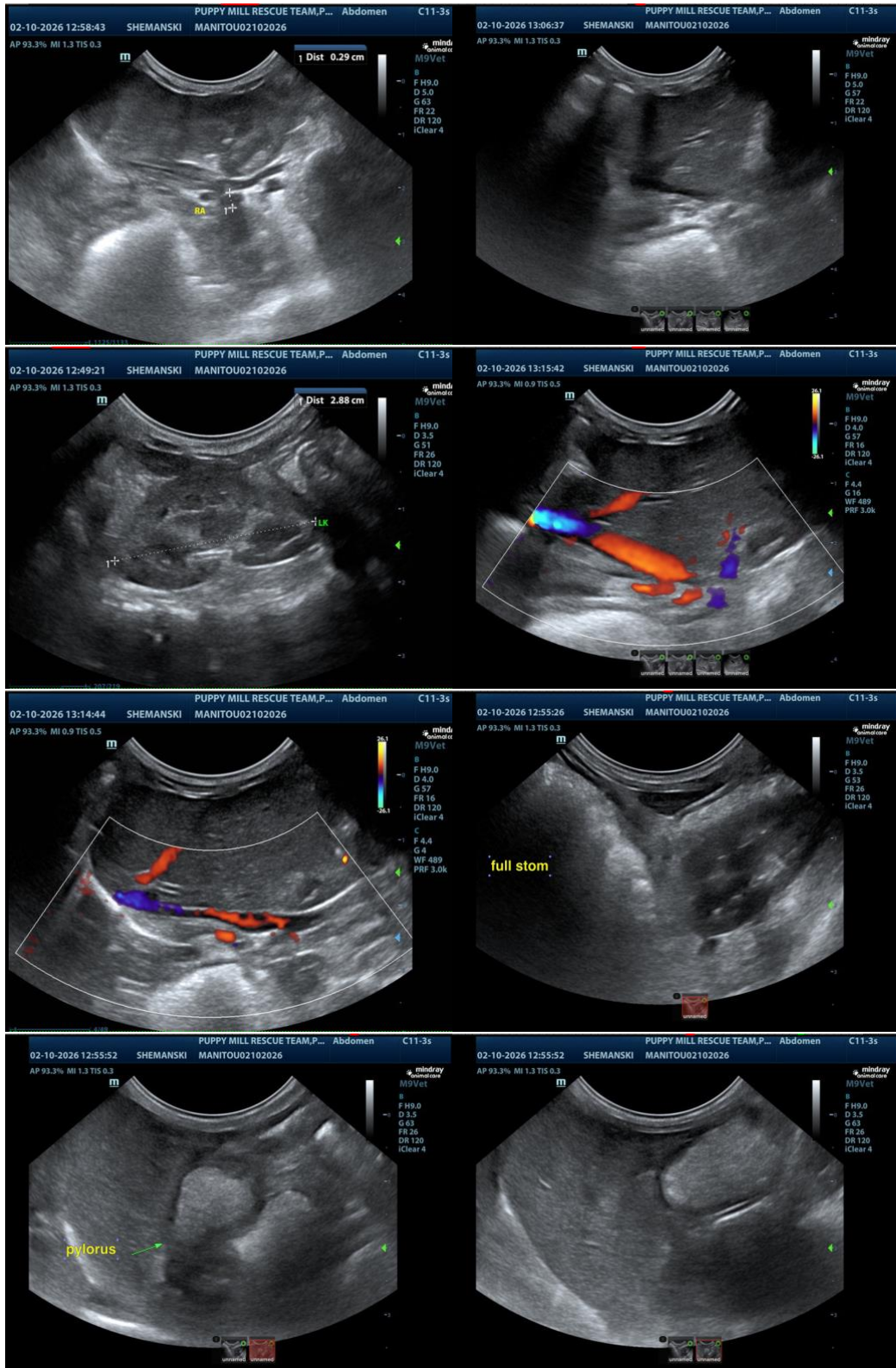
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,**

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