



## PATIENT

Pika Daryanani

## SPECIES

Canine

## BREED

Yorkshire Terrier

## SEX

Spayed Female

## AGE

12 Years

## WEIGHT

8 lbs

## INTERPRETED BY

Beth Johnson, DVM  
DACVIM

## IMAGING PERFORMED BY

Dr. Casper

## HOSPITAL NAME

Hometown Animal  
Hospital (Florida)

## REFERRING VET

Dr. Jan Bellows

## INVOICE

73999

## DATE

3/25/26

## PRESENTING CLINICAL SIGNS

Presented for consult and preoperative testing for planned anesthetic dental procedure.

Abnormal PE/Chem/CBC/UA Results: Grade 2/6 systolic murmur Cushing's disease testing performed 5 months ago: negative. Chronic proteinuria: UPC typically 0.8 when averaged over 3 days. Elevated liver enzymes (historical finding) preop labs and rads today

## 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.

Kidneys are overall normal in size and shape with smooth peripheral margination. A normal 1:3 cortex to medulla ratio is maintained. The medulla and cortices are uniform in texture with some mild increased cortical echogenicity and mild loss of corticomedullary distinction, expected in this age patient. There is no evidence of pyelectasia, mineral or infarcts observed. Left kidney measures 3.5 cm. Right kidney measures 4.0 cm.

### Adrenal Glands

The caudal pole of the right adrenal gland is normal in size (0.57 cm), shape and overall architecture, echogenicity and echotexture. The cranial pole is difficult to fully visualize/isolate for measurement in these images. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.32 cm at cranial pole and 0.56 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

### Spleen

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). Multifocal well-demarcated hyperechoic homogenous nodules are noted. 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. 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



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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 is mildly distended with echogenic non-shadowing luminal contents and gas consistent with normal ingesta/chyme. There is no evidence of obstruction, foreign material or infiltrative disease.

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

### **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.
- Hyperechoic splenic nodules – most consistent with benign myelolipomas. Other differentials such as fibrosis or calcification caused by old hematomas or infarcts, chronic inflammation, granulomatous disease or metastatic disease cannot be ruled out, but are considered less likely.
- Moderate age related kidney changes.

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

This is a largely unremarkable senior abdomen. Further evaluation, given patient's reported liver enzymes, are in part dependent on the degree of liver enzyme increase as well as the exact pattern i.e., primarily hepatocellular injury versus cholestatic, etc. Having said that, especially in a cholestatic pattern, empirical hepatic nutraceuticals including Ursodiol could be considered while monitoring enzymes for improvement, given the gallbladder debris. Other interpretation is largely dependent on clinical history.



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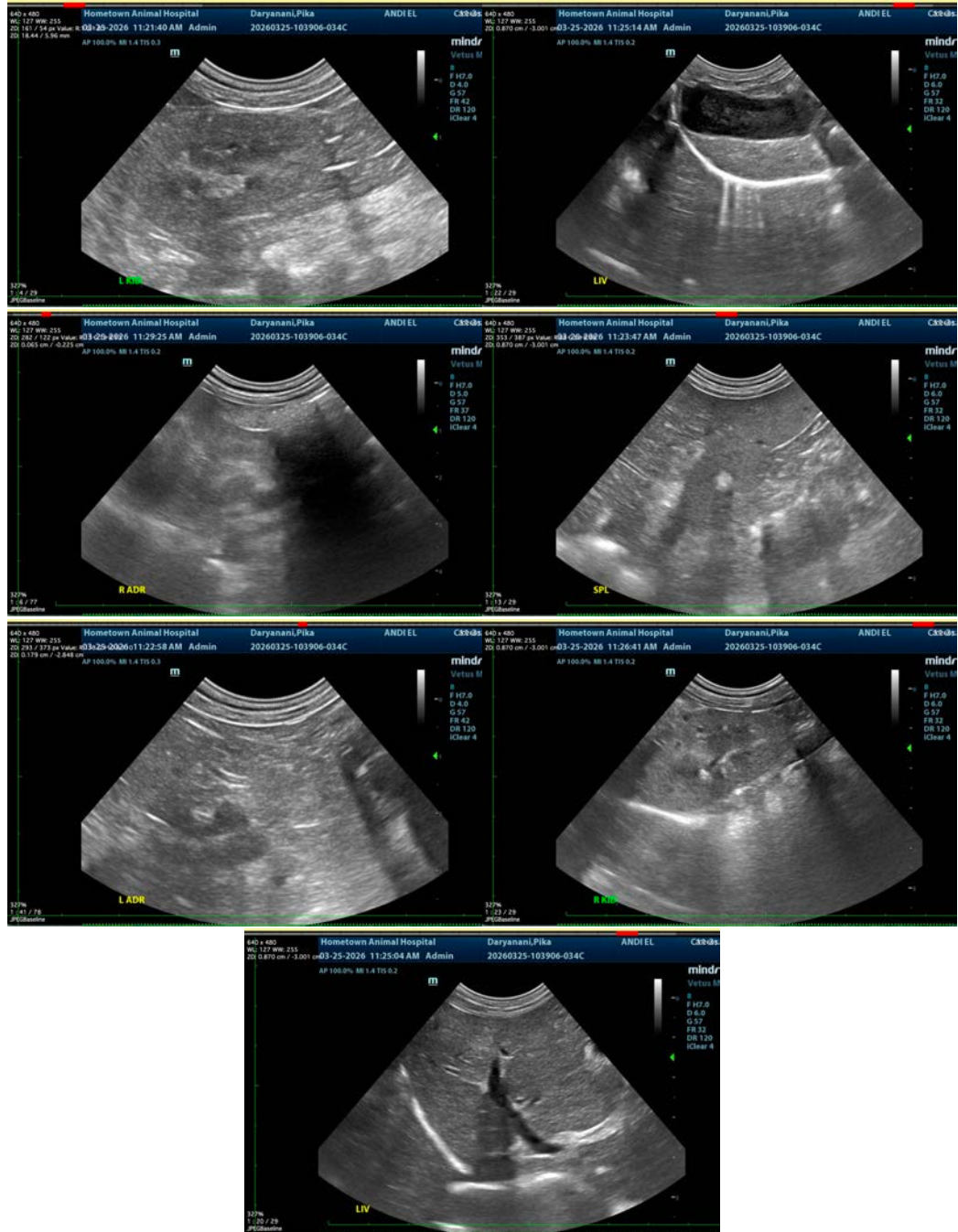
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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