

## PATIENT

Pepper Harvey

## SPECIES

Canine

## BREED

Pitbull

## SEX

Intact Female

## AGE

9 Months

## WEIGHT

41 lbs

## INTERPRETED BY

Greg Kuhlman, DVM,  
DACVIM (SAIM)

## IMAGING PERFORMED BY

Julia Bakker DVM

## HOSPITAL NAME

Orange Blossom  
Veterinary Imaging

## REFERRING VET

Gihan Zeitoun DVM

## INVOICE

15989

## DATE

05/08/26

## PRESENTING CLINICAL SIGNS

Patient presented for pre-anesthetic labwork for spay and significant liver enzyme elevations were noted. ALKP 1297 ALT 892 Bile acids (Pre ) <1.0 Bile acids (Post) 7.3 Started Denamarin and scheduled AUS. FNA of mesenteric lymphadenopathy and general liver sample submitted for cytology today. Pet does not have vomiting/diarrhea or GI symptoms and takes monthly prevention.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The bladder is moderately distended with anechoic urine. No uroliths are seen. The bladder wall is normal in appearance and thickness. No masses are seen. No papilla is seen.

The left kidney presents normal size with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis. The left kidney measured 5.2 cm in length.

The right kidney presents normal size with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis. The right kidney measured 5.9 cm in length.

### *Adrenal Glands*

The left adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 4.4 mm and the caudal pole measures 5.8 mm.

The right adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 5.3 mm and the caudal pole measures 7.2 mm.

### *Spleen*

The spleen is normal in size, shape, margination and echogenicity. No masses are seen. Normal blood flow is evident.

### *Liver*

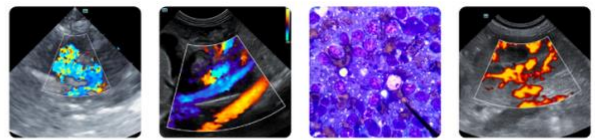
Liver is subjectively enlarged with mildly irregular margins. Parenchyma is (mildly, moderately or markedly) heterogenous characterized by multiple poorly defined hypoechoic nodules within otherwise hyperechoic liver parenchyma. Visible vasculature and biliary tree appear normal without distension or congestion.

The gallbladder presents normal size with anechoic contents. Normal gallbladder wall. No evidence of bile duct distention or obstruction.

### *Gastrointestinal*

The stomach and intestines have normal wall layering and thickness. Colon contains a marked amount of formed stool with normal wall thickness.

### *Pancreas*



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The visible pancreas is normal in size with normal echogenic parenchyma and surrounded by normal peri-pancreatic mesentery.

### *Free Abdomen*

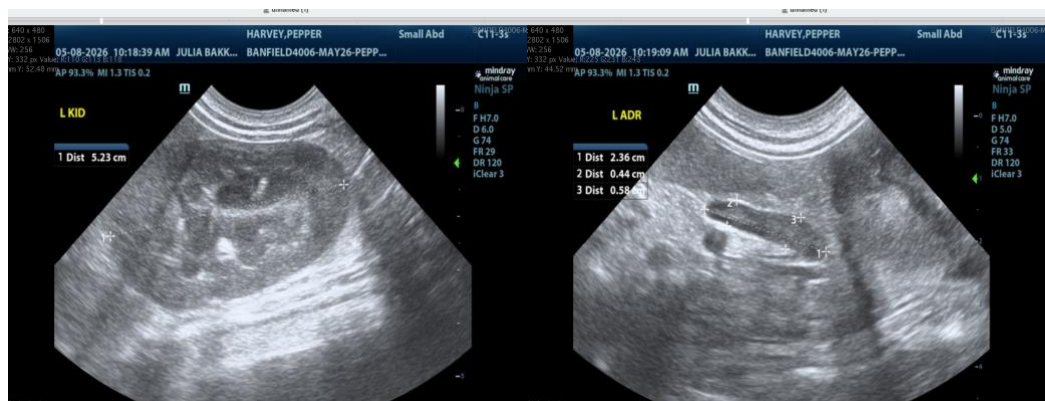
Mesenteric lymphadenopathy is present with a representative node measuring 2 cm x 0.6 cm. They appear reactive, less likely neoplastic. It's reported that mesenteric lymph node was aspirated for cytology.

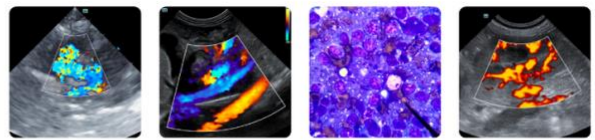
## ULTRASONOGRAPHIC FINDINGS

- Mesenteric lymphadenopathy.
- Hepatopathy.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If cytology is inconclusive as to the underlying cause of the patient's hepatopathy, recommend obtaining liver biopsies for histopathology, copper quantitation, aerobic and anaerobic bacterial culture. These biopsies can be obtained at the same surgical procedure when the patient is going to be spayed. Recommend continuing proceeding with the patient's spay procedure and obtaining liver biopsies at the same time. If aspirates are inconclusive, then proceed with spay and liver biopsy.





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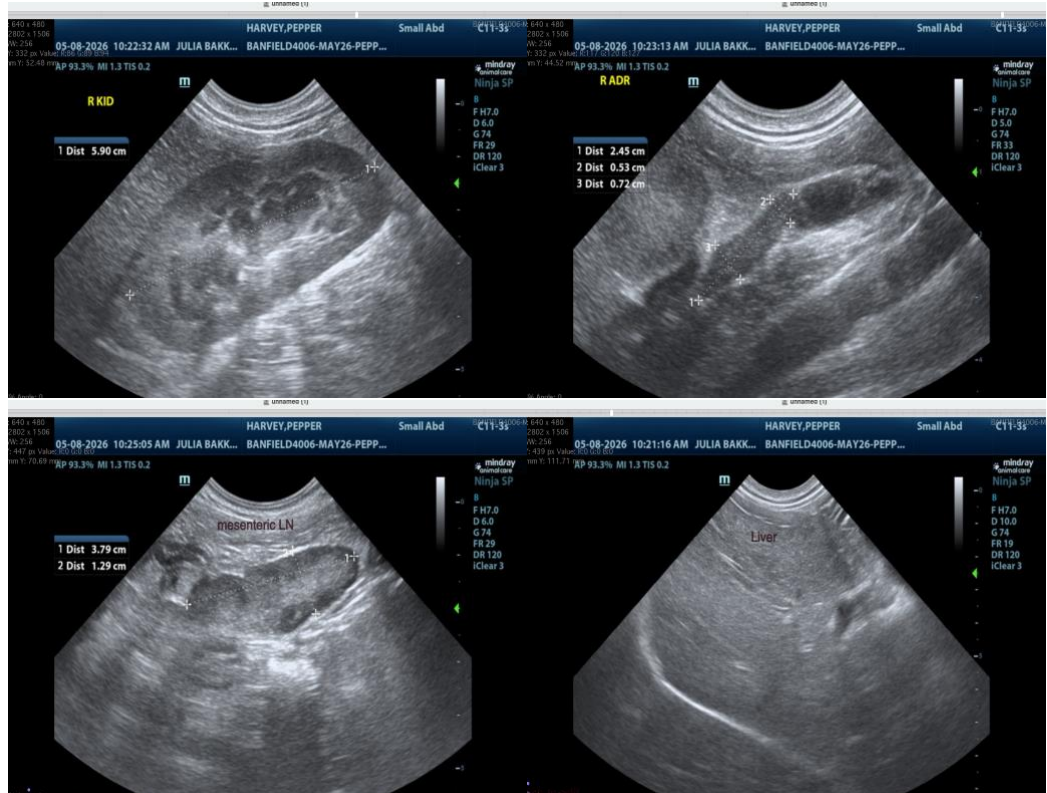
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Greg Kuhlman, DVM, DACVIM (SAIM)**  
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