



## PATIENT

Zoe Day

## SPECIES

Canine

## BREED

Golden Retriever

## SEX

Spayed Female

## AGE

10 Years 9 Months

## WEIGHT

80 lbs

## INTERPRETED BY

Greg Kuhlman, DVM,  
DACVIM (SAIM)

## IMAGING PERFORMED BY

Ashley Whitesell

## HOSPITAL NAME

Dickson Animal Clinic

## REFERRING VET

Kristen Levine

## INVOICE

73000

## DATE

2/17/26

## PRESENTING CLINICAL SIGNS

Previous ultrasound 7/2025. Rechecking liver because the pt has a lump that the owners are deciding if they want to remove it or not.

Abnormal PE/Chem/CBC/UA Results: Alkp 599

## 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.

The right kidney presents normal size (7.2 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis.

The left kidney presents normal size (7.2 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis.

### *Adrenal Glands*

The right adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The caudal pole measures 7.4 mm.

The left adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 4.9 mm and the caudal pole measures 7.9 mm.

### *Spleen*

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

### *Liver*

A liver mass is present in the left liver, measuring 4.3 cm x 4.6 cm. It is well circumscribed and is isoechoic to the remainder of the liver. The other two liver masses that were described on the July 2025 abdominal ultrasound are not seen on this exam.

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

### *Gastrointestinal*

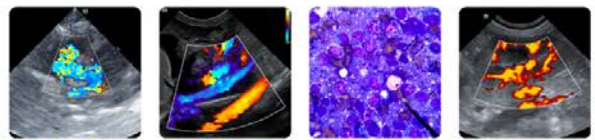
The stomach and intestines have normal wall layering and thickness. Colon contains normal contents with normal wall thickness.

### *Pancreas*

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

### *Free Abdomen*

There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.



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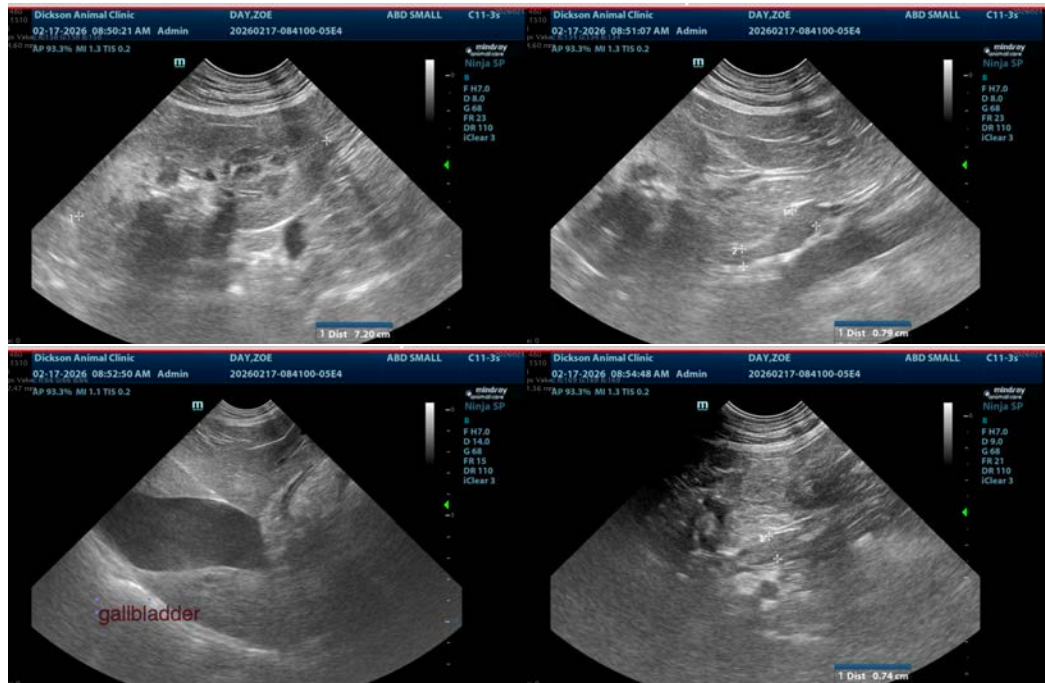
## ULTRASONOGRAPHIC FINDINGS

- Liver mass – Differentials are similar to those discussed in July 2025, including regenerative nodular hyperplasia, benign hepatoma or granuloma. Also consider primary hepatic neoplasia such as hepatocellular carcinoma.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The size of the mass seen today within the liver appears potentially stable in size and has not grown significantly since July. However, given that we were unable to see all three masses, stable disease cannot be completely confirmed at this time. For more detailed information, consider CT scan of the patient's abdomen to better assess for presence of additional liver masses and to determine possible progression of disease.

If not already performed, recommend a fine needle aspirate for cytology of any visible liver mass, although as previously mentioned, tru-cut or wedge biopsy may be required for final etiologic diagnosis. Before pursuing surgery to remove the lump, I would recommend 3-view chest radiographs to rule out the possibility of metastatic pulmonary neoplasia. Any specific therapy for the liver masses would be determined by the etiologic diagnosis of the liver mass.





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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)

Veterinary Internal Medicine Specialist  
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