



## PATIENT PRESENTING CLINICAL SIGNS

Amber Swickle History: Weight loss for approx 1 year 6 #. On PE Hm 2/6. No Clin Signs. Aspirates Spleen and liver nodules done. Cytology pending.

## SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Cbc- Wnl Chem- alt- 127 H Alp- 289 H Gtp- 16 H Creat 1.1 N Calcium- 11.5 H Na-155 H hem 2+ T4- 1.9 N U/a- Sp G 1.022 Bacteria rods < 10 Radiographic Conclusions/Recommendations: Irregularly-shaped liver and spleen. Neither organ appears to be significantly enlarged, however.

## BREED

Golden Doodle

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### SEX

Female Spayed

### Urinary System

The urinary bladder wall is normal in thickness. The mucosal surface in the region of the apex is slightly irregular. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

### AGE

11.7

The left kidney is normal in size (6.85 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

### WEIGHT

50.5 lbs

The right kidney is normal in size (7.10 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

## INTERPRETED BY

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

### Adrenal Glands

The left adrenal gland is enlarged (0.75 cm at cranial pole) (1.24 cm at caudal pole) with slightly swollen peripheral contours. A 1.97 x 0.87 cm hyperechoic- to heterogenous nodule is observed at the caudal pole. Glandular echogenicity and detail at the cranial pole are normal. Surrounding vasculature appears normal.

The region of the right adrenal gland is evaluated. No obvious pathology is observed in this region.

## IMAGING PERFORMED BY

Dr. Cassels-Conways

### Spleen

The spleen is overall normal in size (1.74 cm in width at the level of the hilus). A 2.2 x 1.6 cm hyperechoic- to heterogenous macronodule/mass is observed approximately mid-spleen. Numerous varying-sized hyperechoic nodules are also seen throughout the organ, as well as several, small, ill-defined hypoechoic nodules/areas. Splenic vasculature is normal with no evidence of thrombosis.

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Central Broward AH

### Liver

The liver is overall normal to slightly prominent-in-size, with swollen peripheral contours. The parenchyma is isoechoic relative to the spleen. A 5.1 x 4.2 cm heterogenous mass is observed mid- to right-liver, adjacent to the diaphragm. In addition, an ill-defined mass effect is observed in the left lateral lobe. The remaining parenchyma is slightly heterogenous in appearance. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

## REFERRING VET

Lara Oms

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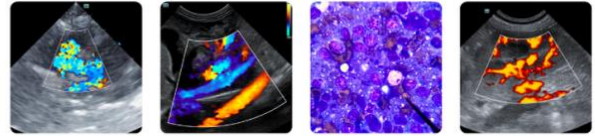
The gallbladder lumen is moderately distended. The wall is thin and smooth. A small amount of echogenic- to mineralized, mostly gravity-dependent debris/sand is observed within the lumen. The cystic and common bile ducts are normal/not seen.

## DATE

2-28-26

### Gastrointestinal

The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small



**PATIENT**

Amber Swickle

intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

**SPECIES**

Canine

**Pancreas**

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

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Golden Doodle

**Lymph Nodes**

The abdominal lymph nodes are normal/not visible.

**SEX**

Female Spayed

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

**AGE**

11.7

- Hepatic mass mid- to right-liver. Neoplasia (i.e., adenoma, adenocarcinoma, sarcoma, round cell tumor) is possible, with a lower possibility of a non-neoplastic process. The ill-defined mass effect in the left lateral lobe could be consistent with neoplasia, regenerative nodular hyperplasia, vacuolar hepatopathy, inflammatory disease, and/or other hepatopathy.

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50.5 lbs

- Splenic mass. Differentials include myelolipoma, malignancy (such as round cell tumor, sarcoma), other. The smaller hyperechoic splenic nodules are most consistent with myelolipomas. The diffuse splenic parenchymal changes could be consistent with lymphoid hyperplasia, extramedullary hematopoiesis, splenitis, antigenic stimulation, or infiltrative neoplasia.

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Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**Secondary Findings**

- Left adrenomegaly. The left adrenal nodule could be consistent with focal nodular hyperplasia, adenoma, emerging adenocarcinoma, pheochromocytoma, other. The right adrenal gland is not definitively visualized.

**IMAGING PERFORMED BY**

Dr. Cassels-Conways

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

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- Depending on the cytology results from the hepatic and splenic masses, consultation with a board-certified neurologist and/or surgeon may be warranted.
- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.

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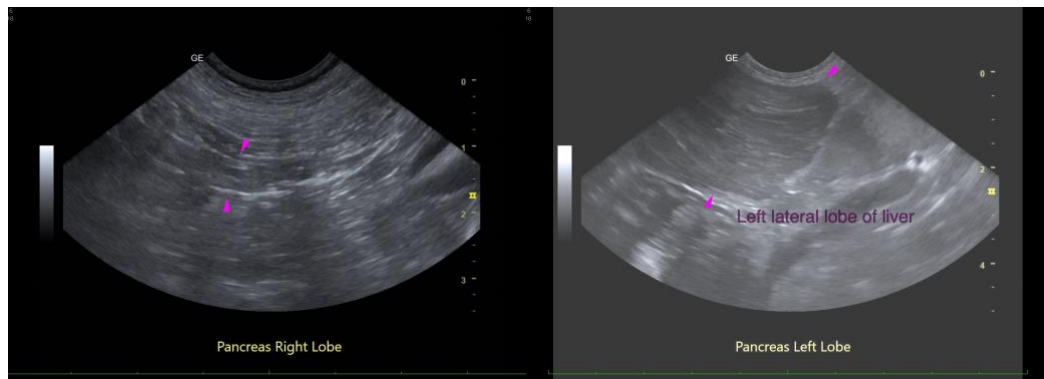
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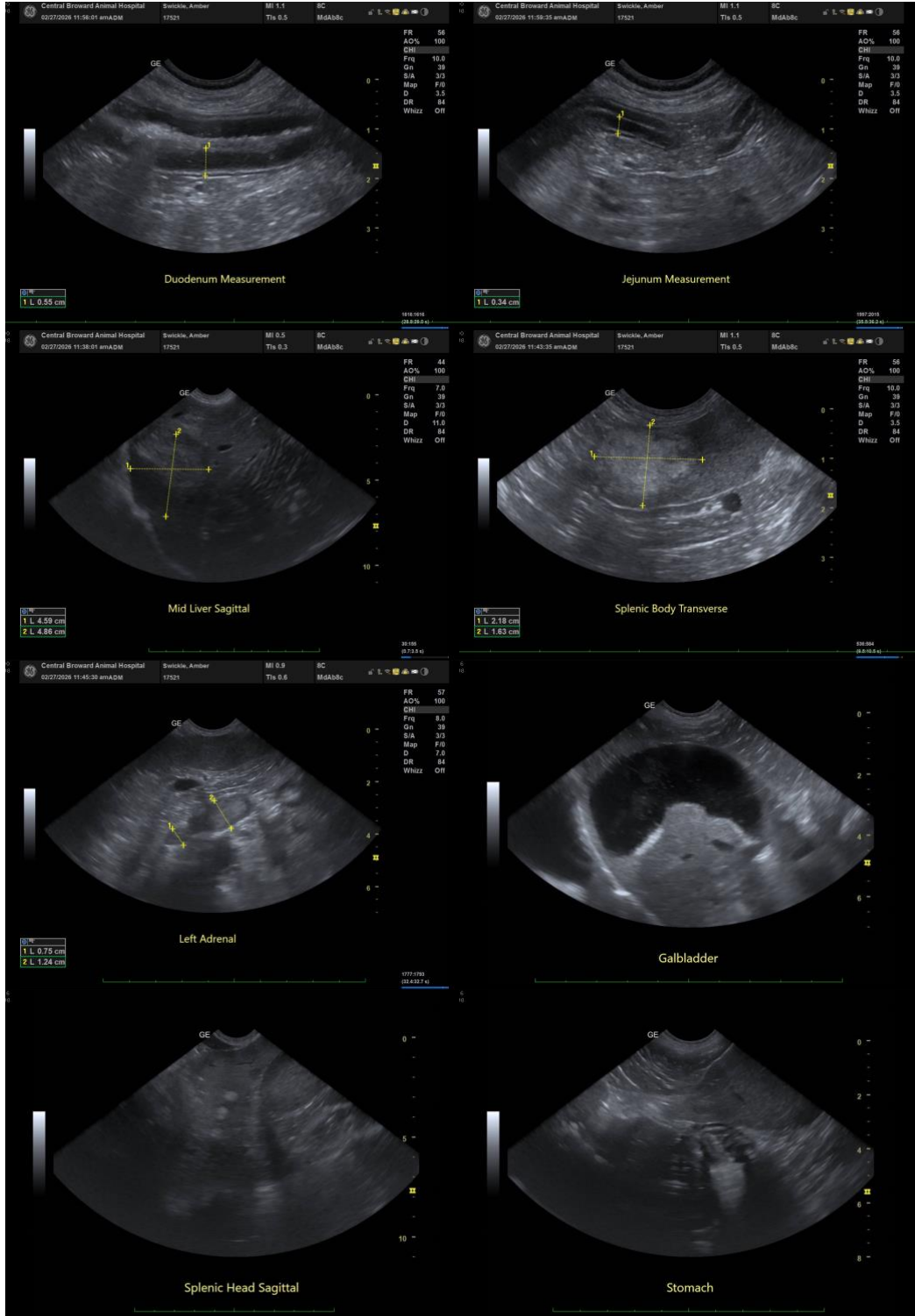
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

## SPECIES

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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.

## BREED

Golden Doodle

**Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)**  
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## SEX

Female Spayed

## AGE

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