

**PATIENT**

Charlie Fetterolf

**PRESENTING CLINICAL SIGNS**

History of a splenic nodule (1.40 x 1.70 cm) and Addison's disease. Heart murmur.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Beagle

**Urinary System**

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

**SEX**

Neutered Male

The prostate is normal in size (1.21 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

**AGE**

13 years

The left kidney is normal size (5.03 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

**WEIGHT**

N/A

The right kidney is normal size (5.42 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

**Adrenal Glands**

The left adrenal gland is normal in length (0.18 cm at cranial pole) (0.30 cm at caudal pole) with a flattened contour and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**INTERPRETED BY**

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

The right adrenal gland is normal in length (0.54 cm at cranial pole) (0.44 cm at caudal pole) with a flattened contour and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

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**Spleen**

The spleen is overall normal in size (1.13 cm in width at the level of the hilus). A 3.04 x 1.44 cm hypoechoic to slightly heterogenous nodule/mass is observed at the cranial to mid-aspect. The lesion causes slight capsular expansion. In the remainder of the spleen, the margins are curvilinear, and the parenchyma is homogenous. Splenic vasculature is normal with no evidence of thrombosis.

**HOSPITAL NAME**

Sun Dog Cat Moon

**Liver**

The liver is prominent size with normal curvilinear peripheral contours. The parenchyma is slightly mottled in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion

**REFERRING VET**

Dr. Shelley Ann  
Fetterolf

The gall bladder lumen is moderately distended. The wall is thin and smooth. A small amount of suspended, echogenic debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.

**INVOICE**

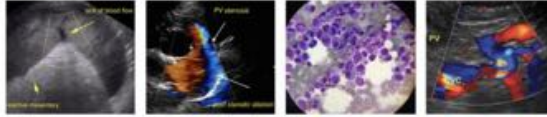
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**Gastrointestinal**

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is mildly distended with ingesta consistent with a post-prandial presentation. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is

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patent. The small intestinal lumen is segmentally dilated with chyme (mild). The small intestinal wall thickness is normal 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.

**BREED**

Beagle

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

**SEX**

Neutered Male

**Other**

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

**AGE**

13 years

A fine-needle aspirate of the aspirate of the splenic mass was performed at the end of this study without incident.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

**WEIGHT**

N/A

- The splenic nodule has grown since the previous sonogram. Differentials include emerging neoplasia (i.e., sarcoma, round cell tumor) versus a focal benign process (i.e., lymphoid hyperplasia or similar).

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**Secondary Findings**

- The hepatic parenchymal changes are most consistent with age-related remodeling. However, correlation with the patient's liver values is recommended.
- The bilaterally flattened adrenal glands is consistent with the previous diagnosis of hypoadrenocorticism.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- If the cytology results from the splenic mass are inconclusive, a splenectomy with submission of the spleen for histopathology may be necessary to get a definitive diagnosis. If surgery is pursued, three-view thoracic radiographs should be performed prior to anesthesia.

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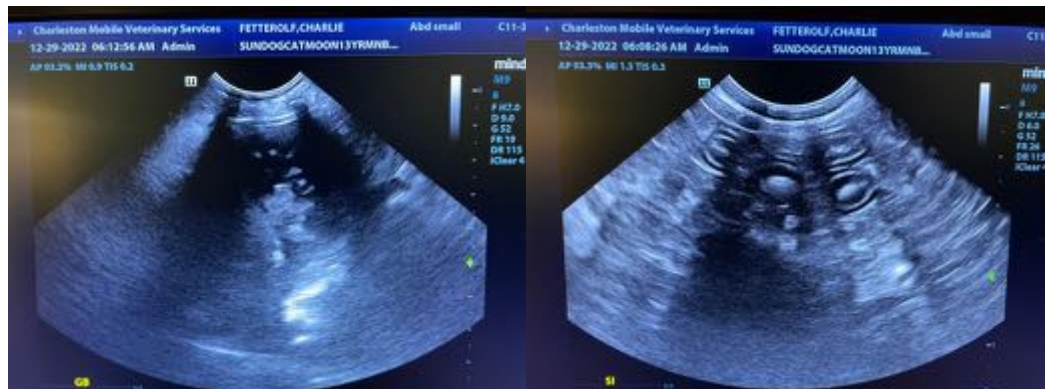
Dr. Shelley Ann Fetterolf

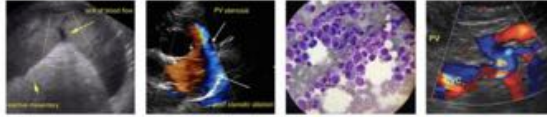
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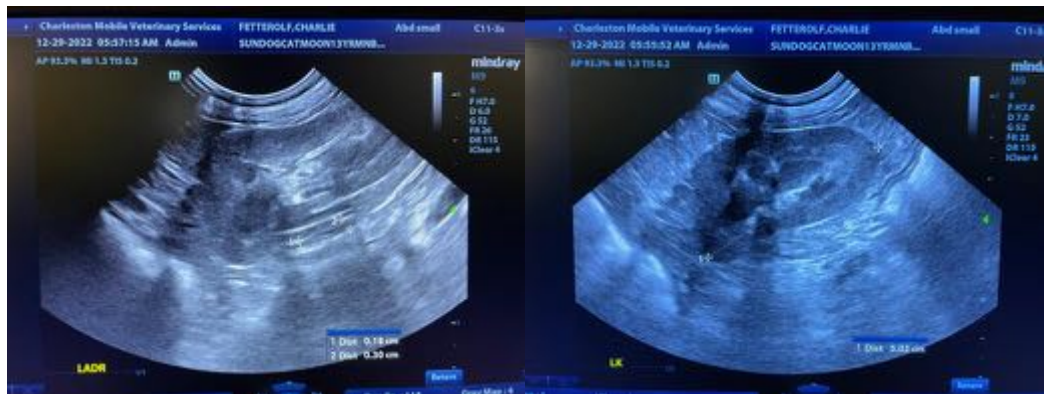
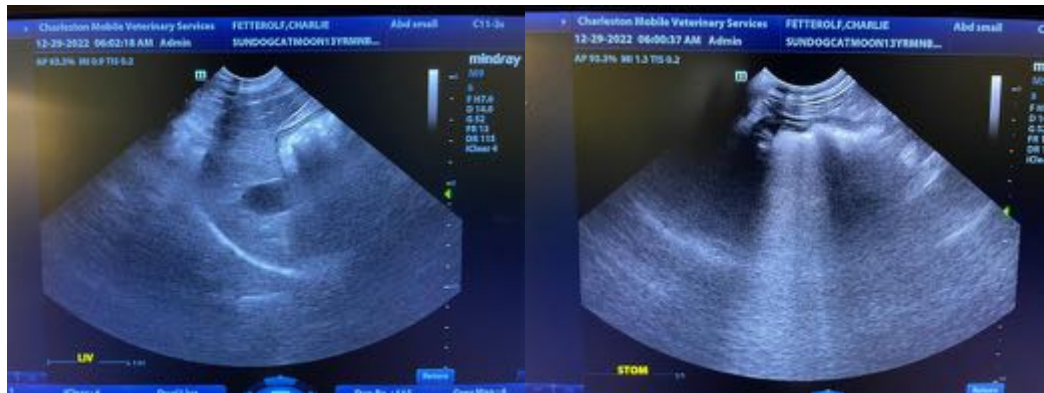
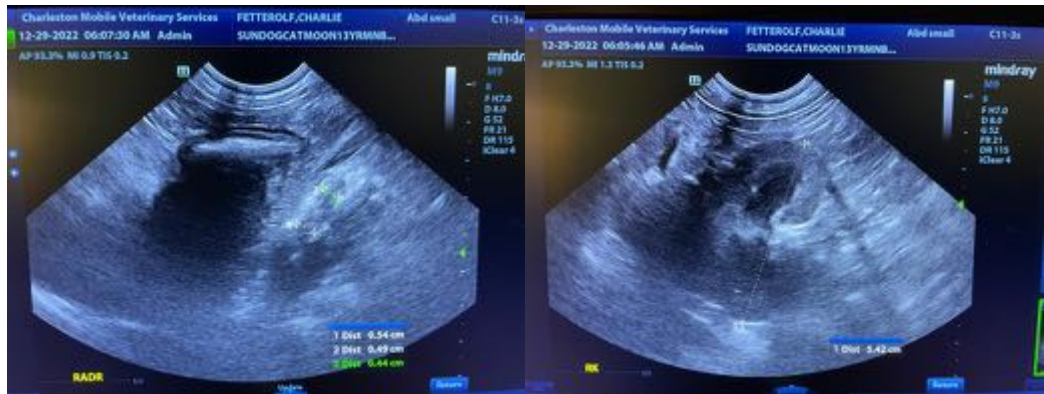
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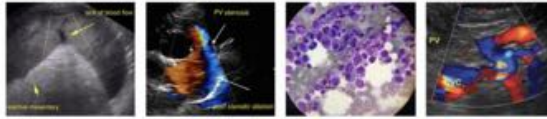
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**WEIGHT**

N/A



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.

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