



**PATIENT PRESENTING CLINICAL SIGNS**

**Mocah Powell** Pt presented for ADR. Not eating as well, occasional vomiting of bile and diarrhea that now seems improved.  
Palpable baseball sized abdominal mass noted on examination

**SPECIES**  
Canine mild leukocytosis characterized by eosinophils  
mild elevation in Alk phos 536  
marked elevation in lipase 3,597

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Chihuahua**  
*Urinary System*

**SEX**  
Female, spayed The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended. A moderate amount of suspended echogenic debris is observed within the lumen. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2-3 cm, are normal.

**AGE**  
11/2/2013 The left kidney is normal size (4.54 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**WEIGHT**  
19.3 lbs. The right kidney is normal size (4.94 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**INTERPRETED BY Adrenal Glands**

Andrea Nicastro, DVM, Diplomate ACVIM (Small Animal Internal Medicine) The left adrenal gland is normal size (0.51 cm at cranial pole) (0.62 cm at caudal pole) (0.62 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**IMAGING PERFORMED BY**  
Andrea Nicastro, DVM, Diplomate ACVIM (Small Animal Internal Medicine) The right adrenal gland is normal size (0.62 cm at cranial pole) (0.51 cm at caudal pole) (2.10 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**HOSPITAL NAME**  
Foxbank *Spleen*  
The spleen is enlarged with irregular peripheral contours. An approximately 5 cm heterogeneous slightly cavitated mass is arising from the medial aspect. In the remainder of the spleen, the margins are curvilinear and the parenchyma is homogeneous. Splenic vasculature appears normal with no evidence of thrombosis.

**REFERRING VET**  
Dr. Winney *Liver*

**INVOICE**  
14169 The liver is prominent in size with normal curvilinear peripheral contours. The parenchyma is hypoechoic relative to the spleen and diffusely homogeneous in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion. The portal vein: caudal vena cava ratio is approximately 1:1. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

**DATE**  
11/1/22



**PATIENT**

Mocah Powell

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Female, spayed

**AGE**

11/2/2013

**WEIGHT**

19.3 lbs.

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

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**REFERRING VET**

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***Gastrointestinal***

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. 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 intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

***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.

***Free Abdomen***

There is no evidence of free fluid. The abdominal lymph nodes are normal/not visible.

***Other***

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

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings:**

- Large splenic mass. Neoplasia (i.e., sarcoma, round cell tumor) is considered likely with a lower possibility of a benign process.

**Secondary Findings:**

- The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, regenerative nodular hyperplasia, and/or age-related remodeling. Inflammatory and infiltrative disease are considered less likely.
- Urinary bladder debris.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Given the questionable pulmonary nodule on thoracic radiographs, a radiology consultation is recommended.
- Regarding the splenic mass, a fine needle aspirate can be considered if clotting status is appropriate. Alternatively, a splenectomy with submission of the spleen for histopathology can be considered. If pursued, a liver biopsy is also recommended to assess for micrometastatic disease.
- Further recommendations should be based on the echocardiogram report.



**PATIENT**

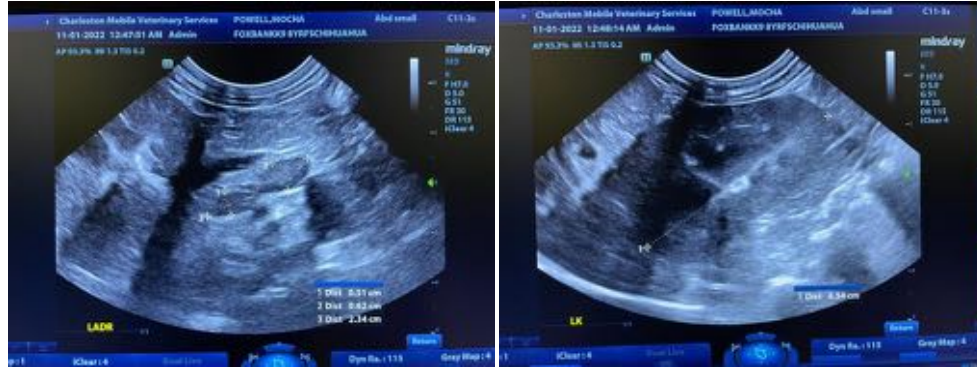
Mocah Powell

**SPECIES**

Canine

**BREED**

Chihuahua



**SEX**

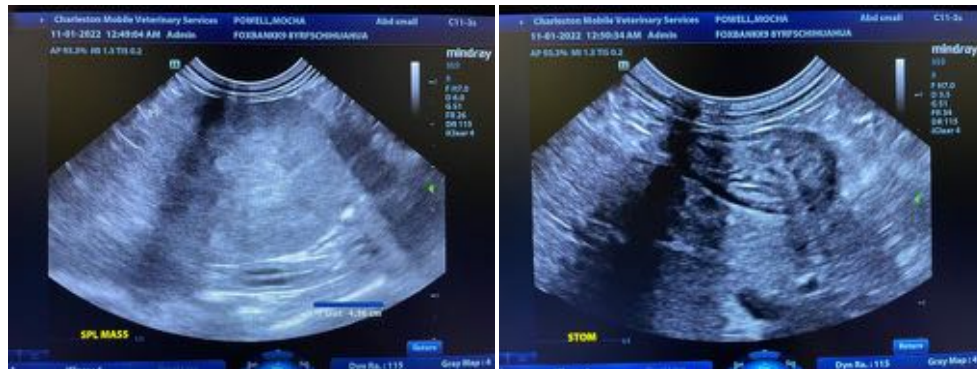
Female, spayed

**AGE**

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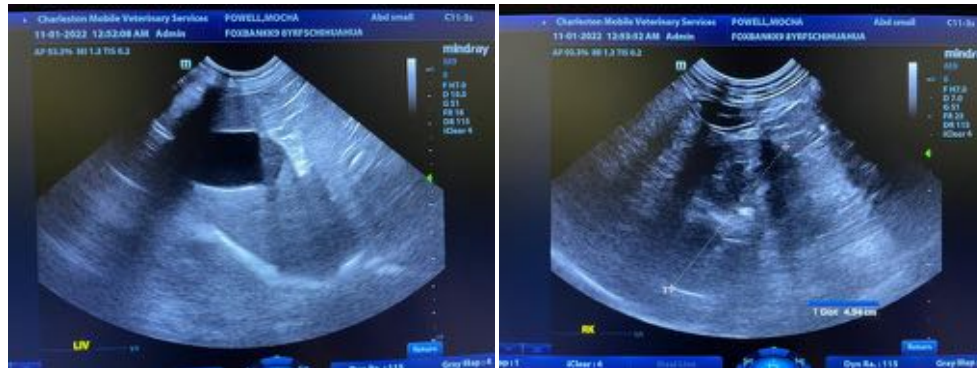


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(Small Animal Internal  
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**HOSPITAL NAME**

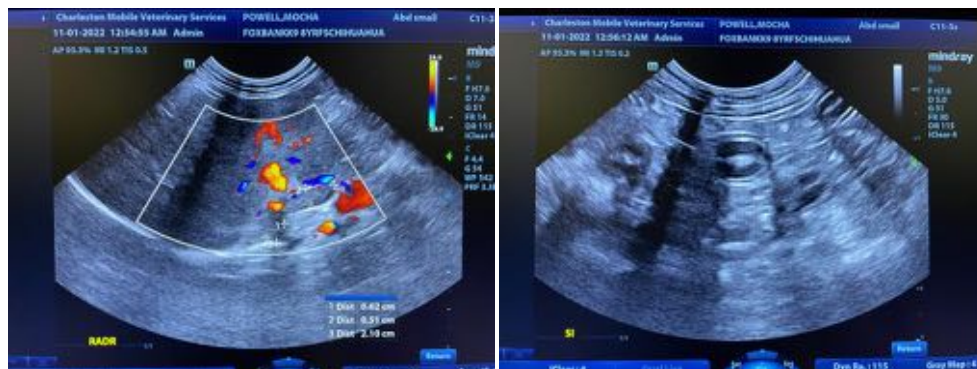
Foxbank

**REFERRING VET**

Dr. Winney

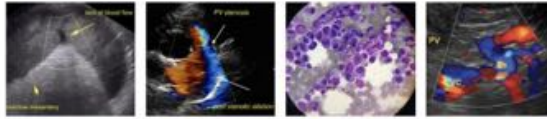
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible



**PATIENT**

in the image/video clips provided.

Mocah Powell

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.

**SPECIES**

Canine

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

[info@SonoPath.com](mailto:info@SonoPath.com)

**BREED**

Chihuahua

**SEX**

Female, spayed

**AGE**

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