



**PATIENT**

Sasha Cobb

**PRESENTING CLINICAL SIGNS**

Anemic. Hemoabdomen. Prolonged PT/PTT

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

**BREED**

German shepherd

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended. A small to moderate amount of echogenic debris is suspended within the lumen. No masses, inflammatory changes or calculi are observed. The region of the trigone and the visible portion of the proximal urethra are normal.

**SEX**

Female, spayed

The left kidney is normal size (7.78 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 hydronephrosis. Renal vasculature is normal.

**AGE**

3 Yrs.

The right kidney is normal size (8.80 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 hydronephrosis. Renal vasculature is normal.

**WEIGHT**

33.9 kg.

*Adrenal Glands*

The left adrenal gland is normal size (0.66 cm at cranial pole) (0.59 cm at caudal pole); 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.

The right adrenal gland is normal size (1.60 cm at cranial pole) (0.75 cm at caudal pole); 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.

**INTERPRETED BY**

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

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*Spleen*

The spleen is prominent in size (3.34 cm in width at the level of the hilus) with slightly irregular peripheral contour. The parenchyma is mottled in appearance. A 2.85 cm cavitated nodule/mass is observed at the craniolateral aspect. In addition, a 1.67 cm hypoechoic nodule is observed at the medial aspect, near the hilus. Splenic vasculature is normal with no evidence of thrombosis.

**HOSPITAL NAME**

Blue Pearl

*Liver*

The liver is subjectively enlarged with irregular peripheral contours. Numerous varying sized heterogeneous to cavitated masses are observed throughout the organ, the largest measuring 5.20 cm in diameter. The lesions cause capsular expansion. There is minimal visibly normal appearing hepatic parenchyma. Vascular and biliary tracts are of normal volume with no evidence of congestion. 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.

**REFERRING VET**

Dr. McFadden

**INVOICE**

14684

*Gastrointestinal*

**DATE**

3/6/23



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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***

A large amount of free fluid is present within the abdominal cavity. The mesentery throughout the abdomen is hyperechoic. 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:**

- Numerous hepatic masses with suspected metastatic disease to the spleen. Neoplasia (i.e., hemangiosarcoma) is suspected.
- Confirmed hemoabdomen.

**Secondary Findings:**

- The urinary bladder debris could be consistent with cells, crystals, exfoliated material and/or lipid droplets.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- Given the patient's guarded prognosis, palliative care (i.e., blood transfusions as needed, Yunnan Baiyao) should be considered in lieu of aggressive diagnostics/therapeutics.



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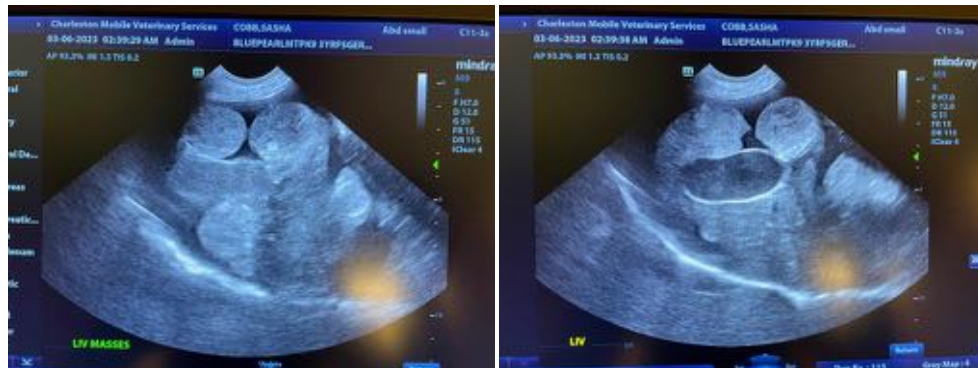
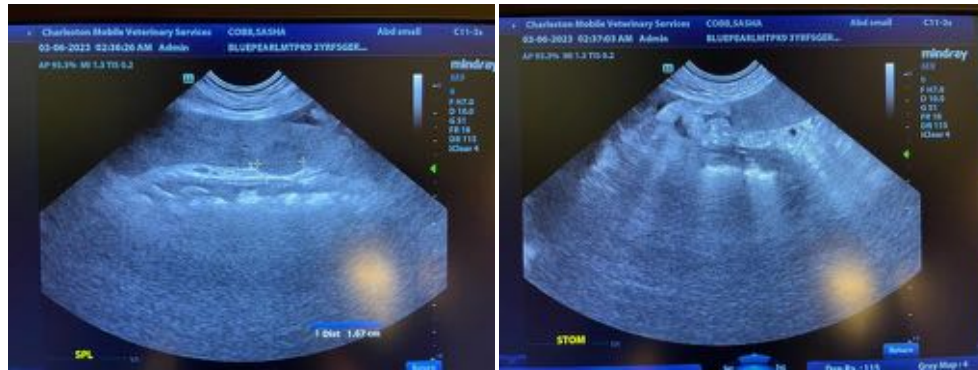
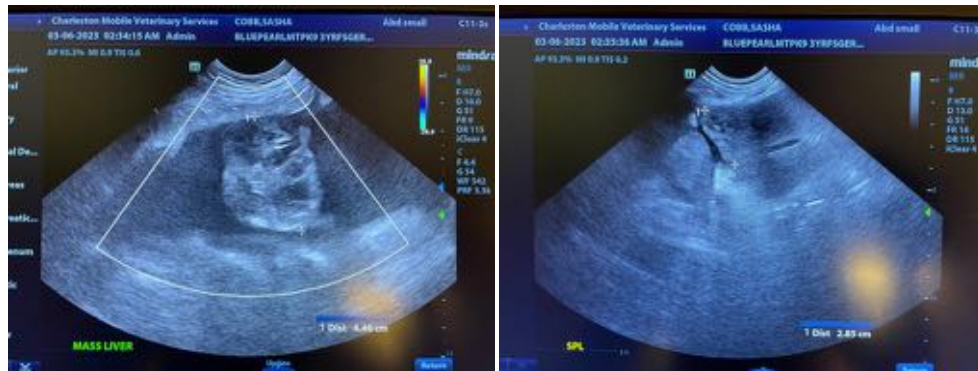
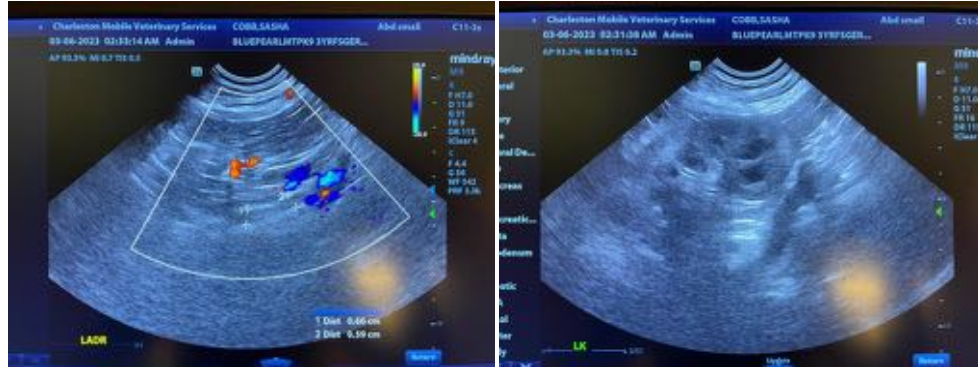
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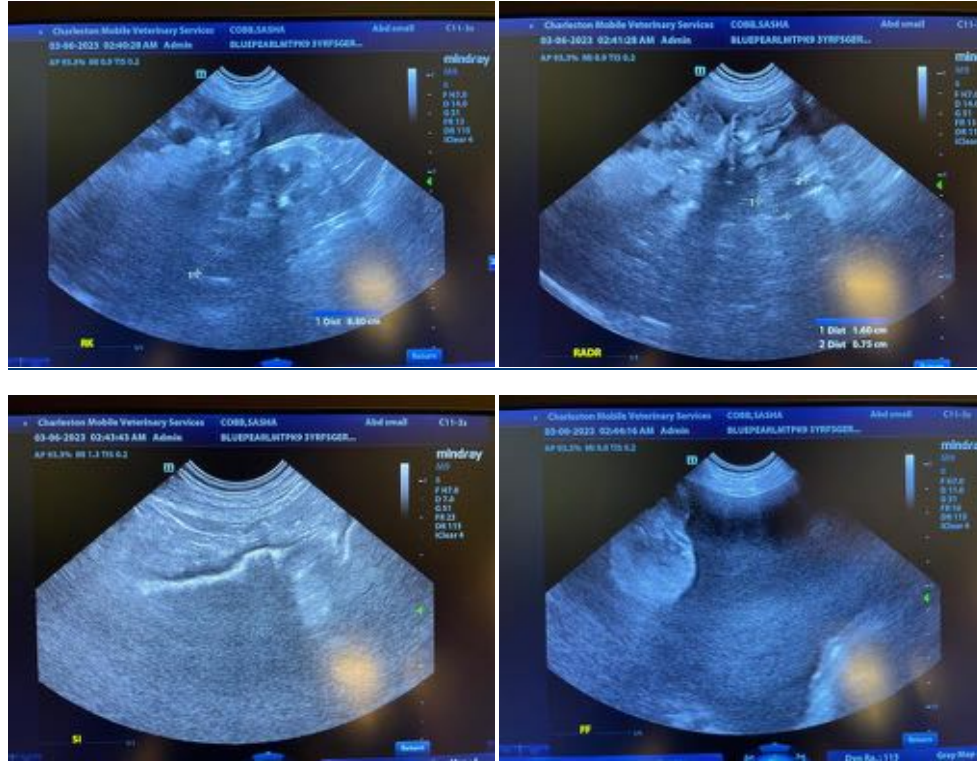
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

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