

**PATIENT PRESENTING CLINICAL SIGNS**

Chloe James A few-day-history of anorexia, vomiting and diarrhea with hematochezia. She received a fried shrimp before the GI symptoms started.

**SPECIES**

Canine

**BREED**

Dachshund

**SEX**

Intact Female

**AGE**

1 year

**WEIGHT**

NP

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

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**HOSPITAL NAME**

Blue Pearl Summerville

**REFERRING VET**

Christina Kitzmiller

**INVOICE**

14180

**DATE**

819.23

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2 cm, appear normal.

The left kidney is normal in size (4.23 cm in length) with a normal shape, architecture and 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 appears normal.

The right kidney is normal in size (4.48 cm in length) with a normal shape, architecture and 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 appears normal.

**Adrenal Glands**

The left adrenal gland is normal in size (0.44 cm at cranial pole) (0.51 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature appear normal.

The right adrenal gland is in normal size (0.57 cm at cranial pole) (0.45 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature appear normal.

**Spleen**

The spleen is normal in size (0.99 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature appears normal.

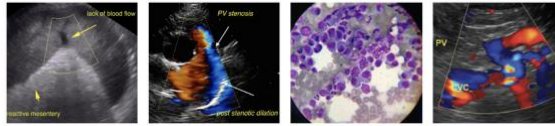
**Liver**

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The portal vein to caudal vena cava ratio is approximately 1: 1.

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

**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 segmentally dilated with chyme. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are



**PATIENT** not identified. The ileoceccocolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.

Chloe James

**SPECIES** *Pancreas*

The pancreas is diffusely enlarged with slightly irregular peripheral contours. The parenchyma is hypoechoic relative to surrounding omental fat and heterogenous in appearance. The pancreatic duct is not overtly dilated.

Canine

**BREED** *Free Abdomen*

There is no obvious evidence of free fluid. A few prominent mesenteric lymph nodes are visualized (the largest measuring 2.19 x 0.54 cm).

Dachshund

**SEX** *Other*

The ovaries are visible and are subjectively normal in size (left: 0.88 x 0.54) (right: 1.05 x 0.71 cm). No obvious pathology is observed.

Intact Female

**AGE** *Other*

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

1 year

**WEIGHT** *ULTRASONOGRAPHIC FINDINGS*

**NP** *Primary Findings*

- The pancreatic changes are consistent with moderate acute pancreatitis.

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**Secondary Findings**

- The abdominal lymphadenopathy could be consistent with immunologic immaturity, reactive lymphadenitis or lymphoid hyperplasia. Infiltrative neoplasia is possible but considered unlikely.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Supportive care for pancreatitis is recommended including IV fluid therapy, gastric protectants, antiemetics, pain medication as needed, +/- fresh frozen plasma.

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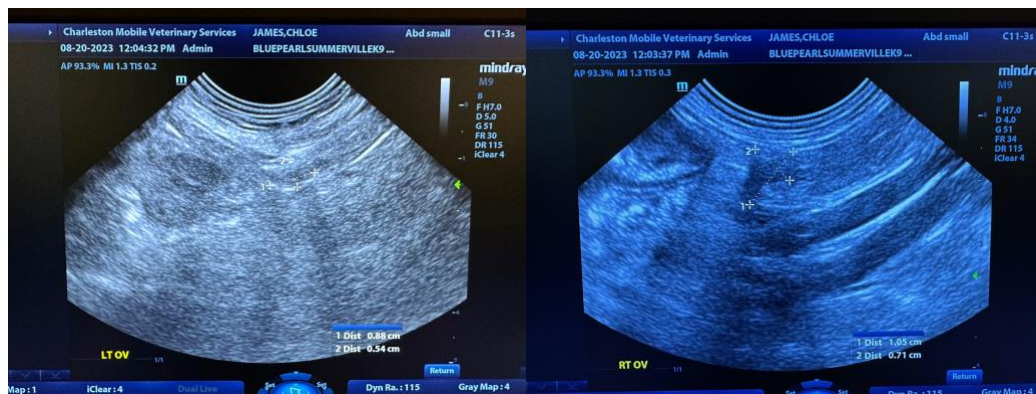
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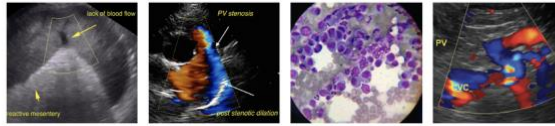
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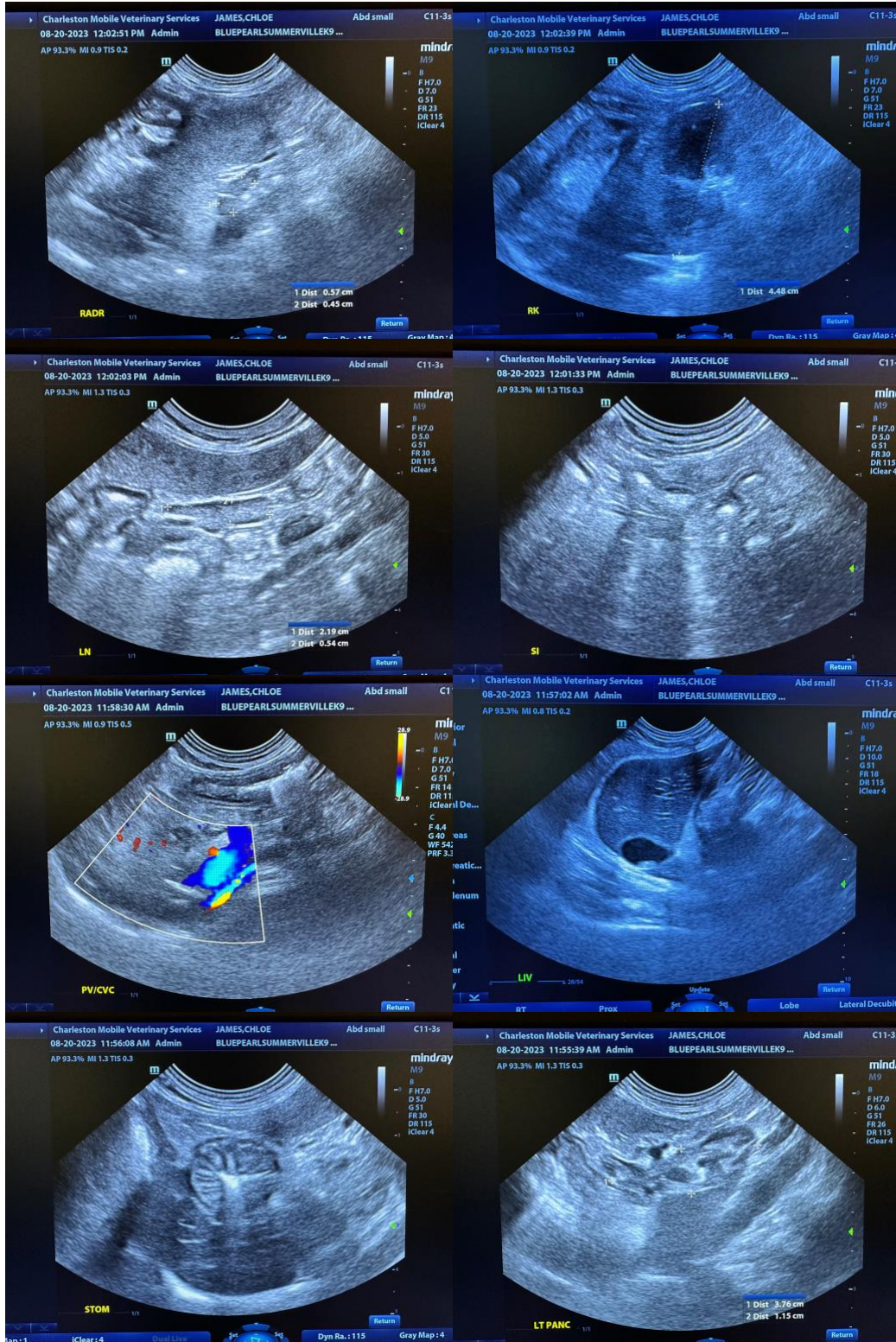
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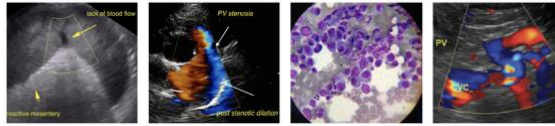
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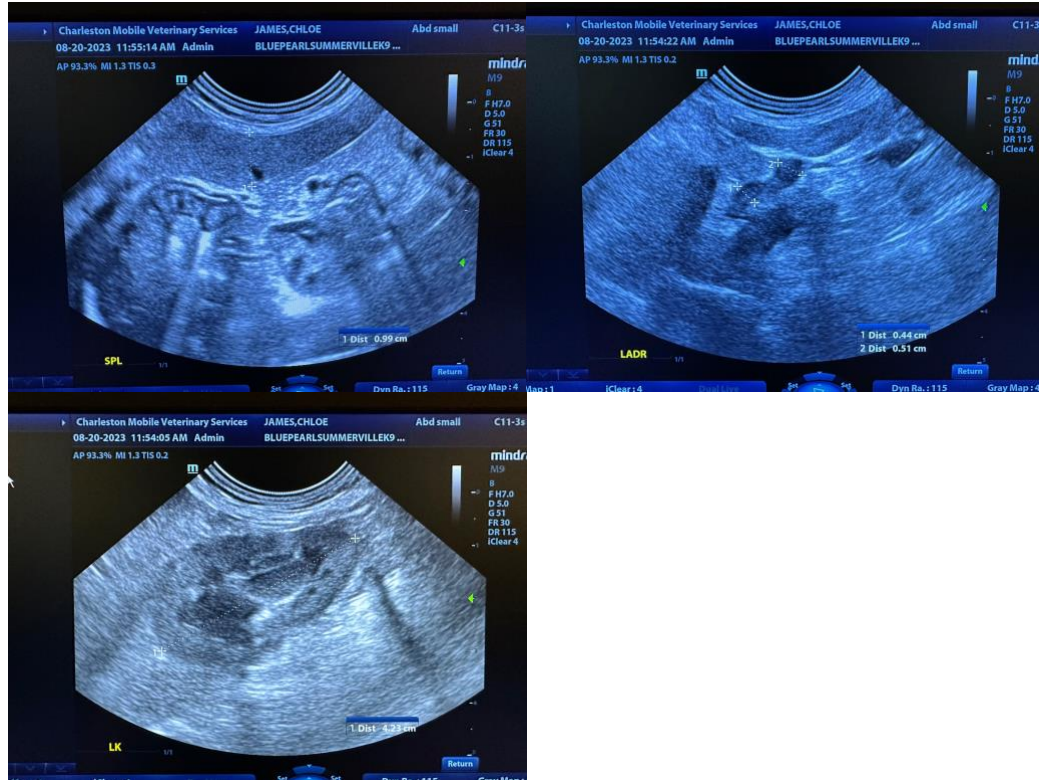
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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