



**PATIENT**

Sherri Walden

**PRESENTING CLINICAL SIGNS**

Sherri is a 12 Y FS Toy Poodle who presented for pancreatitis. Current diet is chicken and rice for the last month. P does get treats and bones.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

**BREED**

Toy Poodle

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. The region of the trigone is normal.

**SEX**

Female, spayed

The left kidney is normal in size (3.67 cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. There is mild to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few tiny non-obstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydronephrosis.

**AGE**

12 Yrs.

The right kidney is normal size (3.96 cm in length) with a slightly irregular shape. There is mild to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few tiny non-obstructive nephroliths are visualized. There is no evidence of pyelectasia or hydronephrosis.

**WEIGHT**

6.89 kg.

*Adrenal Glands*

The left adrenal gland is mildly enlarged (0.49 cm at cranial pole) (0.62 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)

The right adrenal gland is mildly enlarged (0.85 cm at cranial pole) (0.66 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.

**IMAGING PERFORMED BY**

Dr. Alyssa Carver

*Spleen*

The spleen is normal in size (xxx 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 is normal.

**HOSPITAL NAME**

Animal Emergency  
Hospital Volusia

*Liver*

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is hypoechoic relative to the spleen with minor changes consistent with age-related remodeling. No focal lesions are observed. Hepatic vasculature 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 distended. The wall is normal in thickness. A moderate amount of hyperechoic debris is observed within the lumen, most of which is aggregated, partially dependent and some of which is suspended. The cystic and common bile ducts are normal/not seen.

**REFERRING VET**

Dr. Alyssa Carver

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*Gastrointestinal*

**DATE**

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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.

**SPECIES**

Canine

***Pancreas***

The right limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

**BREED**

Toy Poodle

***Free Abdomen***

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

**SEX**

Female, spayed

**AGE**

12 Yrs.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings:**

- The pancreatic changes are most consistent with age-related parenchymal remodeling, potentially secondary to a prior inflammatory episode, early fibrosis or chronic pancreatitis.

**WEIGHT**

6.89 kg.

**Secondary Findings:**

- Bilateral, degenerative renal changes with non-obstructive nephrocalcinosis.
- Mild bilateral adrenomegaly.
- The gallbladder changes could be consistent with cholestasis, fasting or less likely, an emerging mucocele.
- The hepatic changes are consistent with age-related parenchymal remodeling and are not considered clinically significant at this time.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- If the patient is exhibiting gastrointestinal signs, symptomatic care is recommended.
- Also consider a malabsorption panel including serum cobalamin, folate, TLI and PLI (send to Texas A&M).
- Given the patient's age, three-view thoracic radiographs should also be considered to evaluate cardiopulmonary status.

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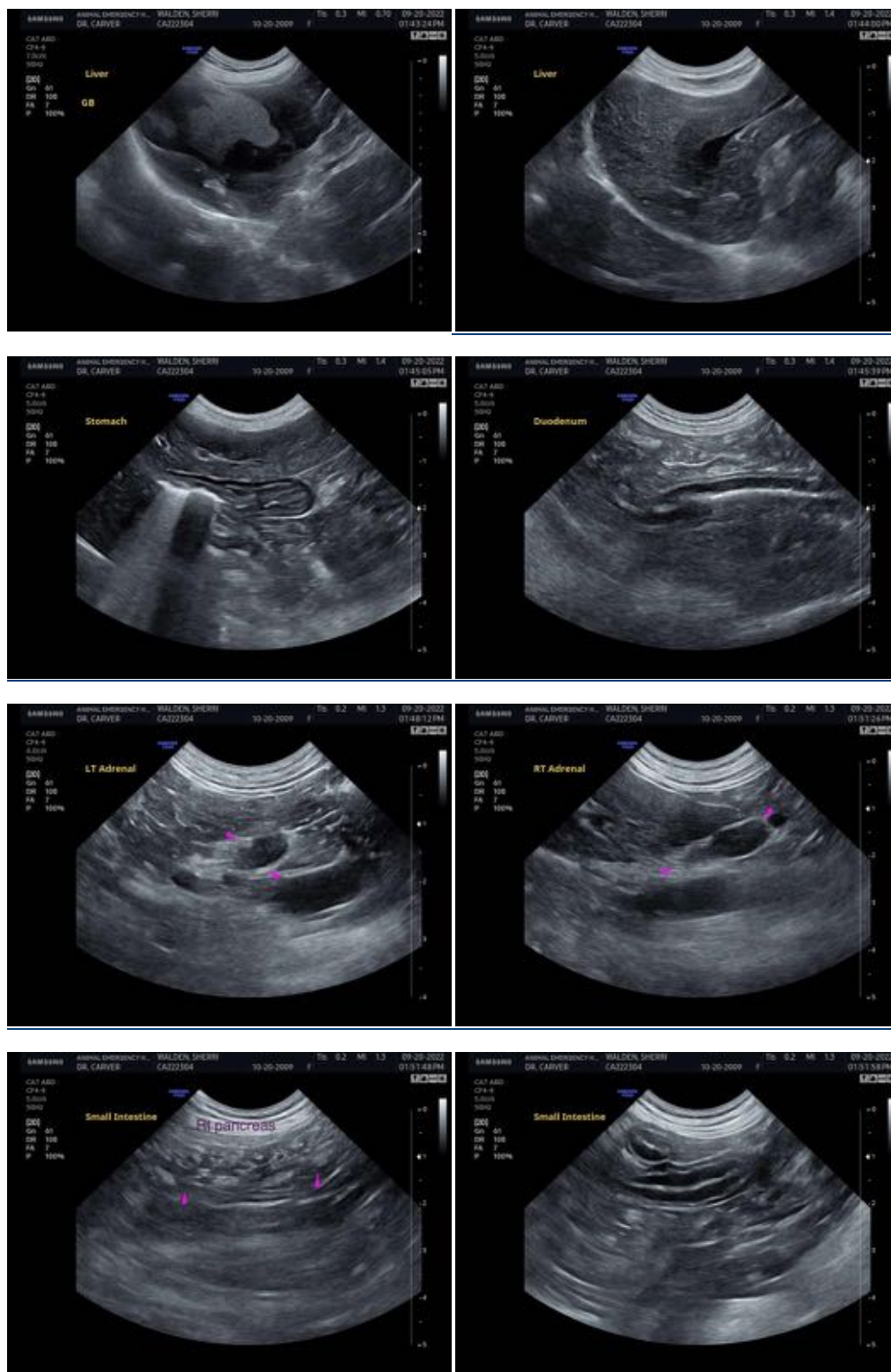
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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.

**SPECIES**

Canine

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)  
info@SonoPath.com

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