



PATIENT

Shadow Matthews

PRESENTING CLINICAL SIGNS

History: History of positive CPL. R/O pancreatitis vs. other.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Cocker Spaniel

The **urinary bladder** is well distended with anechoic contents. The wall is smooth and regular. No abnormalities are noted with the trigone or proximal urethra, and there is no evidence of sediment, cystoliths, polyps or a mass.

SEX

Neutered male

Prostate

The prostate is homogenous and measures 0.73 cm; within normal limits for a neutered male.

AGE

12 years

Kidneys

The **left kidney** measures 4.82 cm. The capsule is smooth. A very mild loss of the normal definition of the cortico-medullary junction is present. There is no evidence of nephroliths or pyelectasia. Blood flow is within normal limits. The surrounding mesentery is not hyperechoic.

The **right kidney** measures 5.48 cm. Findings are similar to the left kidney.

WEIGHT

34.5 lbs

Aortic bifurcation/trifurcation

No abnormalities observed.

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

Adrenal Glands

The **left adrenal gland** measures 0.53 cm at the cranial pole, 0.49 cm at the caudal pole and 1.65 cm in length. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

IMAGING PERFORMED BY

Kelly Vazquez, CVT

The **right adrenal gland** measures 0.87 cm at the cranial pole, 0.40 cm at the caudal pole and 1.76 cm in length. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

HOSPITAL NAME

Animal Paradise AH

Spleen

The spleen is within normal limits in size, architecture, echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.

REFERRING VET

Dr. ElShafie

Liver

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There are no obvious signs of hepatomegaly. The liver's borders are smooth, but mildly rounded. It is normal in echogenicity, i.e. it is hypoechoic to the spleen. The liver is mildly, but diffusely heterogeneous, with hypoechoic nodules of variable size. A small, focal hypoechoic nodule, 4.1 mm in diameter x 4.6 mm in length, is noted in the left liver. No abnormalities are observed with the hepatic vessels.

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PATIENT	The gallbladder (GB) wall is within normal limits in thickness and echogenicity. There is no evidence of echogenic material within the GB or edema surrounding it. The portions of the cystic and/or common bile ducts observed are not dilated or tortuous, i.e. there are no signs of an obstruction.
Shadow Matthews	
SPECIES	Gastrointestinal
Canine	Peristalsis of the GI tract cannot be evaluated due to panting artifact.
BREED	Ingesta, fluid and gas are present in the lumen in the stomach. The gastric wall is within normal limits in thickness and the wall layers are well defined. However, fogging of the mucosa and muscularis is observed.
Cocker Spaniel	
SEX	The small intestinal wall thickness, including the duodenum, is within normal limits and the definition of the wall layers is preserved. A large amount of gas, fluid and ingesta are present within the small intestines. Abnormally dilated loops of bowel are not observed.
Neutered male	A large amount of gas and ingesta are present in the transverse colon.
AGE	The colonic wall is not thickened and mural detail is considered normal. Soft stools and gas are present in the colon.
12 years	
WEIGHT	Pancreas
34.5 lbs	The right limb is very mildly hypoechoic with smooth and regular contours. In addition to these changes, a very subtle, coarse echotexture is observed. The former abnormalities are suggestive of active pancreatitis, while the latter are most likely due to age-related changes, such as nodular hyperplasia and fibrosis, respectively. Fibrosis may occur secondary to age, previous episodes of pancreatitis, mineralization, as well as amyloid deposition. The surrounding mesenteric fat is very mildly hyperechoic. Overt signs of neoplasia are not noted.
INTERPRETED BY	Left limb: Findings are similar to the right limb.
Lisa Carioto, DVM, DVSc, Diplomate ACVIM	
IMAGING PERFORMED BY	Other
Kelly Vazquez, CVT	Lymph nodes
HOSPITAL NAME	No abnormalities are observed
Animal Paradise AH	
REFERRING VET	Abdominal effusion is not visualized.
Dr. .ElShafie	
INVOICE	ULTRASONOGRAPHIC FINDINGS
31291	<ul style="list-style-type: none"> • Pancreas: Changes are suggestive of <i>active pancreatitis</i>, as well as <i>age-related changes</i>, including <i>fibrosis</i>, possibly due to previous episodes of pancreatitis. • Gastrointestinal tract: Signs of inflammatory changes, which may be due to chronic inflammation, possibly due to an underlying chronic enteropathy, such as inflammatory bowel disease, food intolerance, dysbiosis, etc. Changes are not suggestive of infiltrative disease.
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PATIENT

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- **Liver:** Nodular hyperplasia, a benign, age-related change, is suspected. The hypoechoic nodule observed in the left liver is also suggestive of nodular hyperplasia.

SPECIES

Canine

- **Kidneys:** Mild bilateral renal changes, suggestive of *age-related degeneration*.

BREED

Cocker Spaniel

- **Adrenal glands:** Although the cranial pole of the right gland is enlarged, there is no evidence of a mass. Adrenal hyperplasia secondary to chronic illness, which is a form of stress, is possible, however, an emerging, benign adenoma, cannot be excluded. Infiltration with fat is another possibility. Pituitary dependent hyperadrenocorticism is considered unlikely.

SEX

Neutered male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Fasting triglycerides are suggested (minimum of a 12 hour fast)

Ideally, serum cobalamin and folate to exclude malabsorptive and maldigestive disease.

AGE

12 years

Analgesia, such as gabapentin, +/- methadone

WEIGHT

34.5 lbs

maropitant (Cerenia) if signs of nausea. . If ineffective, metoclopramide or ondansetron may be tried.

Antibiotics are not necessary unless hematemesis, hematochezia or melena *with* signs of sepsis.

A bland, easily digestible, low fat, mildly to moderately restricted fibre diet is recommended to help decrease bloating and cramps. A hypoallergenic, hydrolyzed or novel protein that is restricted in fat may be considered, such as Purina HA.

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

Small, frequent meals

Once feeling better, deworming, such as fenbendazole, even if receiving monthly heartworm prevention.

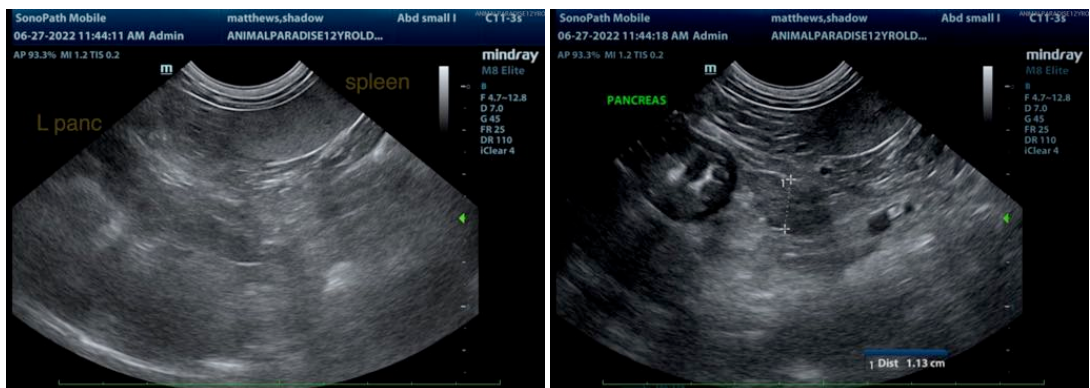
IMAGING PERFORMED BY

Kelly Vazquez , CVT

Further diagnostics will depend on how Shadow responds to the treatment suggestions described, above.

HOSPITAL NAME

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SPECIES

Canine

BREED

Cocker Spaniel

SEX

Neutered male

AGE

12 years

WEIGHT

34.5 lbs

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HOSPITAL NAME

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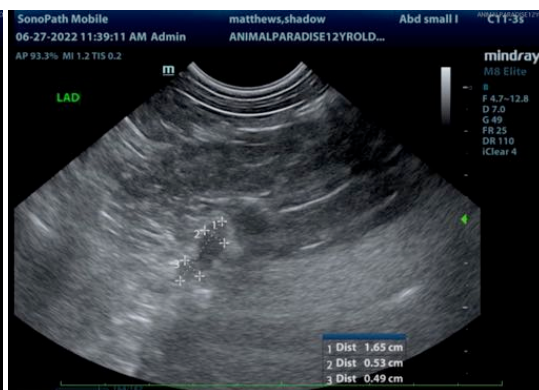
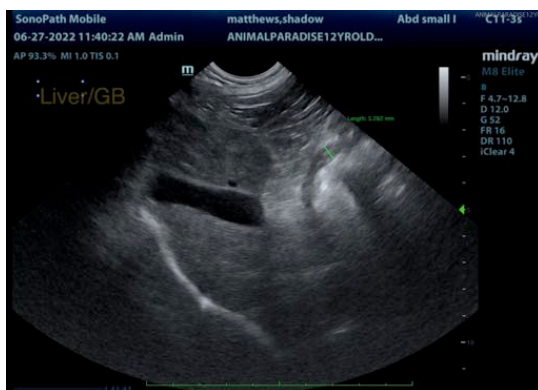
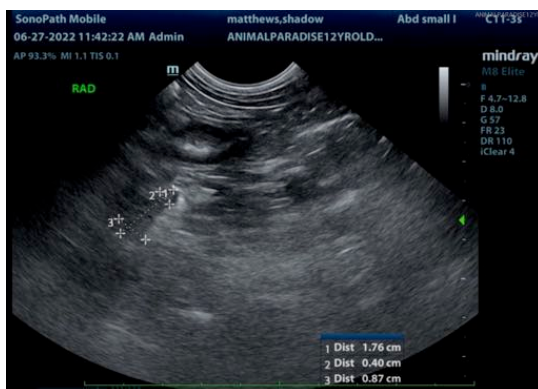
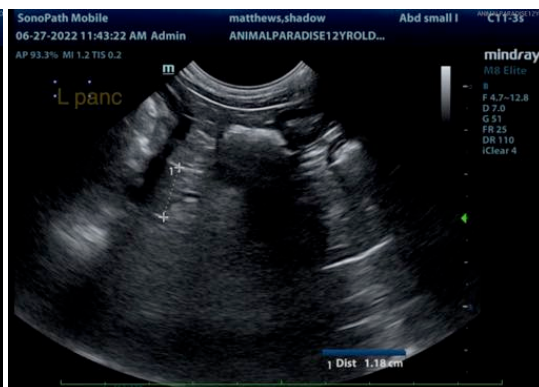
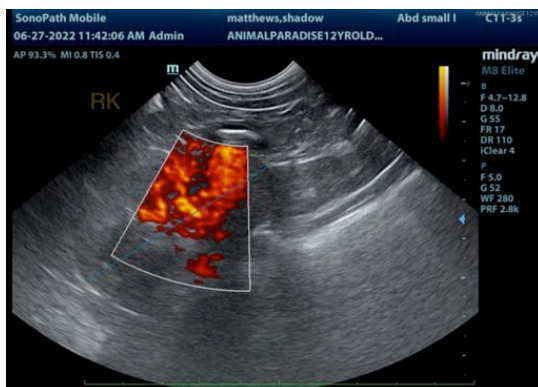
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not



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visible in the image/video clips provided.

Shadow Matthews

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

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Canine

Lisa.Carioto@sonopath.com

BREED

Cocker Spaniel

SEX

Neutered male

AGE

12 years

WEIGHT

34.5 lbs

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