



PATIENT PRESENTING CLINICAL SIGNS

Sunny Sweet History: Patient presented as transfer for hyperthermia and elevated liver enzymes. Patient not eating, lethargic, and has soft stool. Symptoms started after patient ate something in backyard, unsure what patient ate - patient not know to get into things not supposed to.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: EPOC: Mild hypokalemia rDVM bloodwork attached.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Austr Shepherd

Urinary System

Urinary bladder is adequately distended. It has a normal uniform wall thickness. Contents include primarily anechoic fluid with occasional echogenic non-shadowing debris, most consistent with exfoliated cells, mucous and/or small blood clots. Both sterile inflammation as well as urinary tract infection can also present with echogenic debris. No masses or cystoliths are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

SEX

Spayed Female

Left kidney is normal in size (6.22 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

AGE

7 years

Right kidney is normal in size (5.92 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

WEIGHT

16.42 kg

Adrenal Glands

Left adrenal gland is normal in size (0.60 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. The cranial pole is unable to be well visualized in these images. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

Right adrenal gland is unable to be well visualized in these images.

Spleen

Spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

IMAGING PERFORMED BY

Dr. Schwanebeck

Liver

Liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

HOSPITAL NAME

Animal EH Deland

REFERRING VET

Dr. Schwanebeck

Gallbladder is moderately distended with anechoic bile as well as suspended and gravity dependent echogenic debris. The wall is smooth without visible thickening. There is no evidence of cystic or CBD dilation. There is no evidence of effusion or inflammation.

Gastrointestinal

INVOICE

12985

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent. intraluminal gas. There is no evidence of obstruction, foreign material or infiltrative disease; however, complete visualization of far wall is partially inhibited by gas. Pyloric outflow tract appears patent.

DATE

5.9.23



PATIENT Sunny Sweet
The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

SPECIES
The visible colon is normal in wall thickness and layering. Contents are consistent with normal formed feces and gas.

Canine **Pancreas**

The observed pancreas is prominent (enlarged) in size, hypoechoic to surrounding tissue and irregular in shape with a swollen undulating contour. Enhanced hyperechoic ill-defined surrounding fat is noted.

BREED

Free Abdomen

Austr Shepherd
No lymphadenopathy but note a very scant amount of free fluid.

SEX

ULTRASONOGRAPHIC FINDINGS

Spayed Female

Primary Findings

AGE

- Acute or early emerging pancreatitis is suspected - primarily, given the enhanced mesenteric fat and scant amount of anechoic free fluid surrounding the pancreas.

7 years

- Mild gallbladder debris - Cholecystic debris is of unknown clinical significance. It can be seen with biliary stasis from fasting or illness. Cholecystic debris is not necessarily related to hepatobiliary disease. Echogenic bile is most commonly an incidental finding in dogs and should be interpreted in combination with clinical signs such as nausea, inappetence, cranial abdominal discomfort and/or laboratory changes such as increased ALP and/or increased Tbili.

WEIGHT

16.42 kg

- Urinary bladder debris

INTERPRETED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Beth Johnson, DVM
DACVIM

If not recently evaluated, urinalysis and, if indicated based on urinalysis results, urine culture are recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ration is recommended.

IMAGING PERFORMED BY

A quantitative PLI is recommended.

Dr. Schwanebeck

Additionally, given this patient's reported ALT changes, liver sampling (beginning with a fine-needle aspirate of the liver) if the patient's coagulation status is appropriate, should be considered, as well as testing for Leptospirosis (if not recently evaluated).

HOSPITAL NAME

Animal EH Deland

In the meantime, medical management of pancreatitis with anti-emetics, gastroprotectants, appetite stimulants or nutritional support as needed, pain management, broad spectrum antibiotics, and fluid therapy is recommended.

REFERRING VET

Dr. Schwanebeck

INVOICE

12985

DATE

5.9.23



PATIENT

Sunny Sweet

SPECIES

Canine

BREED

Austr Shepherd

SEX

Spayed Female

AGE

7 years

WEIGHT

16.42 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Schwanebeck

HOSPITAL NAME

Animal EH Deland

REFERRING VET

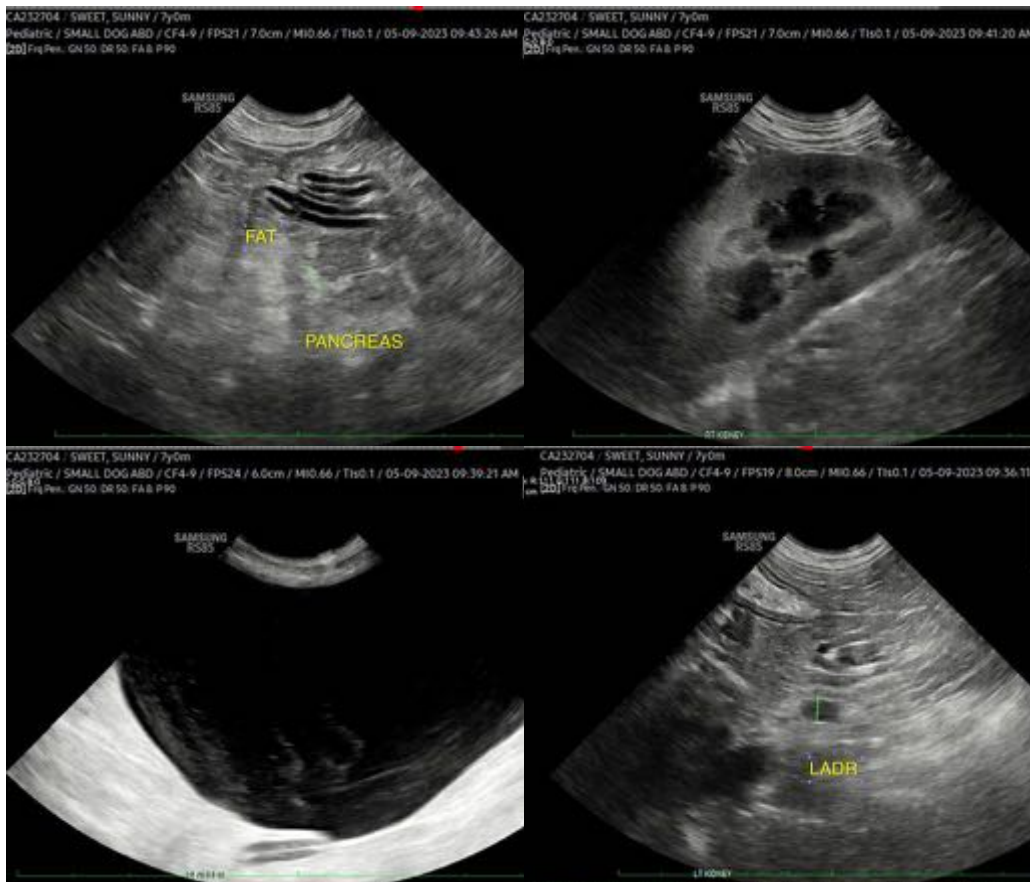
Dr. Schwanebeck

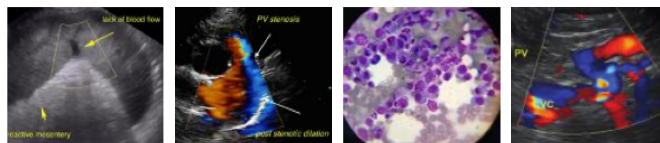
INVOICE

12985

DATE

5.9.23





PATIENT

Sunny Sweet

SPECIES

Canine

BREED

Austr Shepherd

SEX

Spayed Female

AGE

7 years

WEIGHT

16.42 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Schwanebeck

HOSPITAL NAME

Animal EH Deland

REFERRING VET

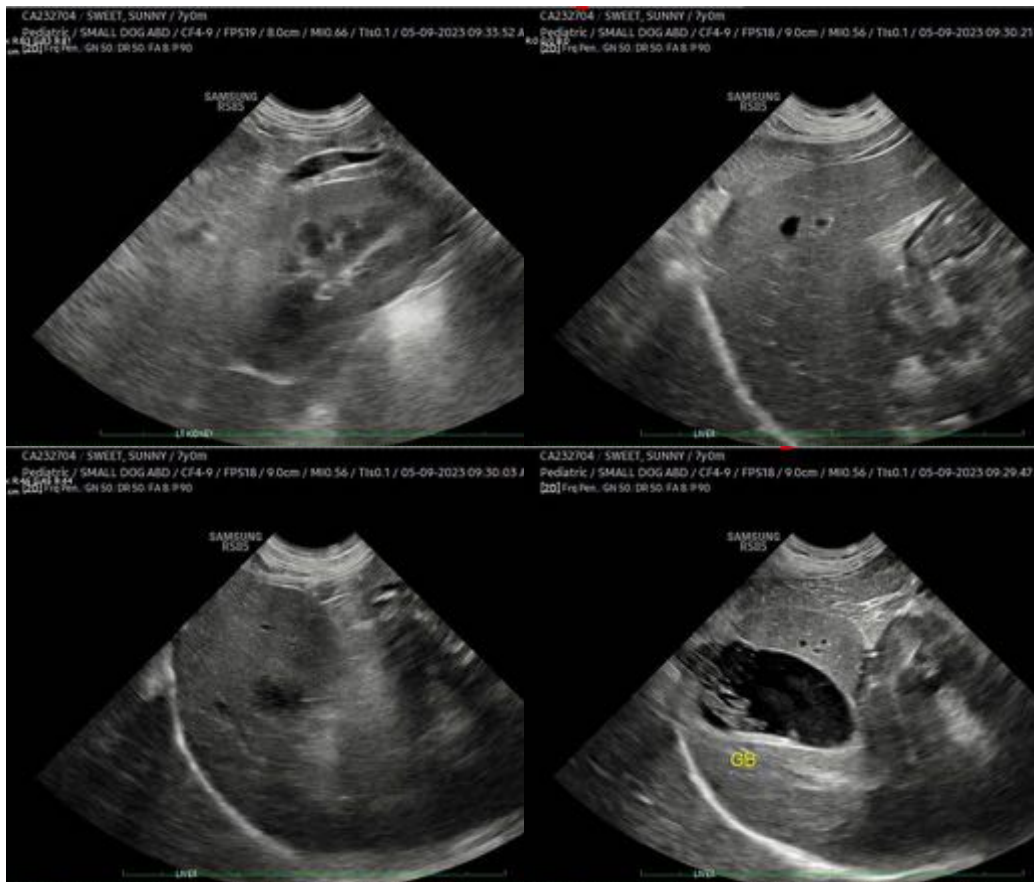
Dr. Schwanebeck

INVOICE

12985

DATE

5.9.23



The information and recommendations provided are based on the images presented by the referring veterinarian. 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.

Beth Johnson, DVM DACVIM
Beth.Johnson@SonoPath.com