

PATIENT

Fenway Sacks

SPECIES

Canine

BREED

Mixed

SEX

Spayed Female

AGE

8 years

WEIGHT

49 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr Lynette Reyes

HOSPITAL NAME

Mobile Vet Ultrasound

REFERRING VET

Dr. Pedro Santiago

INVOICE

10679

DATE

4/5/22

PRESENTING CLINICAL SIGNS

History: History of elevated liver enzymes and cutaneous SCC on hind limb. Histopathology revealed a SCC incompletely removed due to location. Pet is doing well but screening for metastatic lesions and liver

Abnormal PE/Chem/CBC/UA Results: ALT: 210 ALP: 2672 Hgb: 13 HCT: 38.3

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderate distended. The wall is normal in thickness with a smooth mucosal surface. A small to moderate amount of suspended echogenic debris is observed within the lumen. No cystic calculi are observed. The region of the trigone is normal.

The left kidney is normal size (5.57 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis.

The right kidney is subjectively normal size (6.13 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis.

Adrenal Glands

The left adrenal gland is normal size (0.41 cm at cranial pole) (0.43 cm at caudal pole) (1.50 cm in length); 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 caudal pole of the right adrenal gland is visualized and is normal in size (0.42 cm in width), with a normal shape, glandular echogenicity and detail. Surrounding vasculature are normal.

Spleen

The spleen is normal in size (2.34 cm in width at the level of the hilus) with a normal capsular contour. The parenchyma is subtly mottled in appearance. No focal lesions are observed. Splenic vasculature is normal.

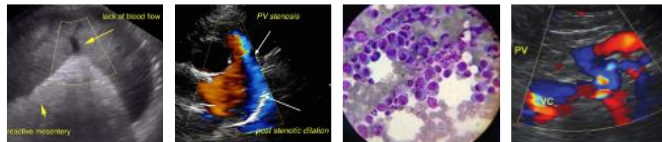
Liver

The liver is subjectively prominent to enlarged with slightly irregular peripheral contours. The parenchyma is isoechoic relative to the spleen. An approximately 6cm irregular, heterogenous mass is observed deep on the left side. The mass causes capsular expansion. The remaining hepatic parenchyma is diffusely mottled and heterogenous in appearance. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

The gall bladder lumen is moderately distended. The wall is normal in thickness. A moderate amount of aggregated, suspended echogenic debris/sludge is observed within the lumen. The sludge is in a partially-stellate pattern. 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 not dilated. The small



PATIENT

Fenway Sacks

intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. There is disruption in the normal 1:3 muscularis: mucosal ratio in most segments. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

SPECIES

Canine

Pancreas

The left 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

Mixed

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

SEX

Spayed Female

AGE

8 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Hepatic mass. Neoplasia (i.e., adenocarcinoma, round cell tumor) is considered likely, with a lower possibility of benign pathology. The diffuse hepatic parenchymal changes are also concerning for infiltrative neoplasia, although a more benign process (i.e., inflammatory disease, regenerative nodular hyperplasia, other), cannot be completely excluded.
- The gall bladder changes are consistent with a developing mucocele.

WEIGHT

49 lbs

Secondary Findings

- Bilateral age-related renal changes
- Urinary bladder debris.
- Suspected age-related pancreatic remodeling.
- The splenic parenchyma changes are most consistent with a benign process such as lymphoid hyperplasia, extramedullary hematopoiesis or splenitis with a low possibility of infiltrative neoplasia (i.e., lymphoma, mast cell neoplasia).
- The small intestinal wall changes are consistent with inflammatory bowel disease. However, correlation with clinical findings is recommended.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr Lynette Reyes

HOSPITAL NAME

Mobile Vet Ultrasound

REFERRING VET

Dr. Pedro Santiago

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

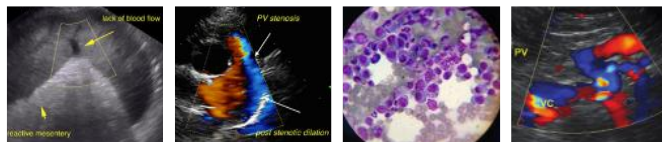
Three-view thoracic radiographs are recommended to assess for pulmonary metastases. If hepatic cytology results are inconclusive, surgical biopsies may be necessary to get a definitive diagnosis. If surgery is pursued, evaluation of the gall bladder +/- prophylactic cholecystectomy may be warranted. Consider referral to a board-certified surgeon if surgery is pursued.

INVOICE

10679

DATE

4/5/22



PATIENT

Fenway Sacks

SPECIES

Canine

BREED

Mixed

SEX

Spayed Female

AGE

8 years

WEIGHT

49 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr Lynette Reyes

HOSPITAL NAME

Mobile Vet Ultrasound

REFERRING VET

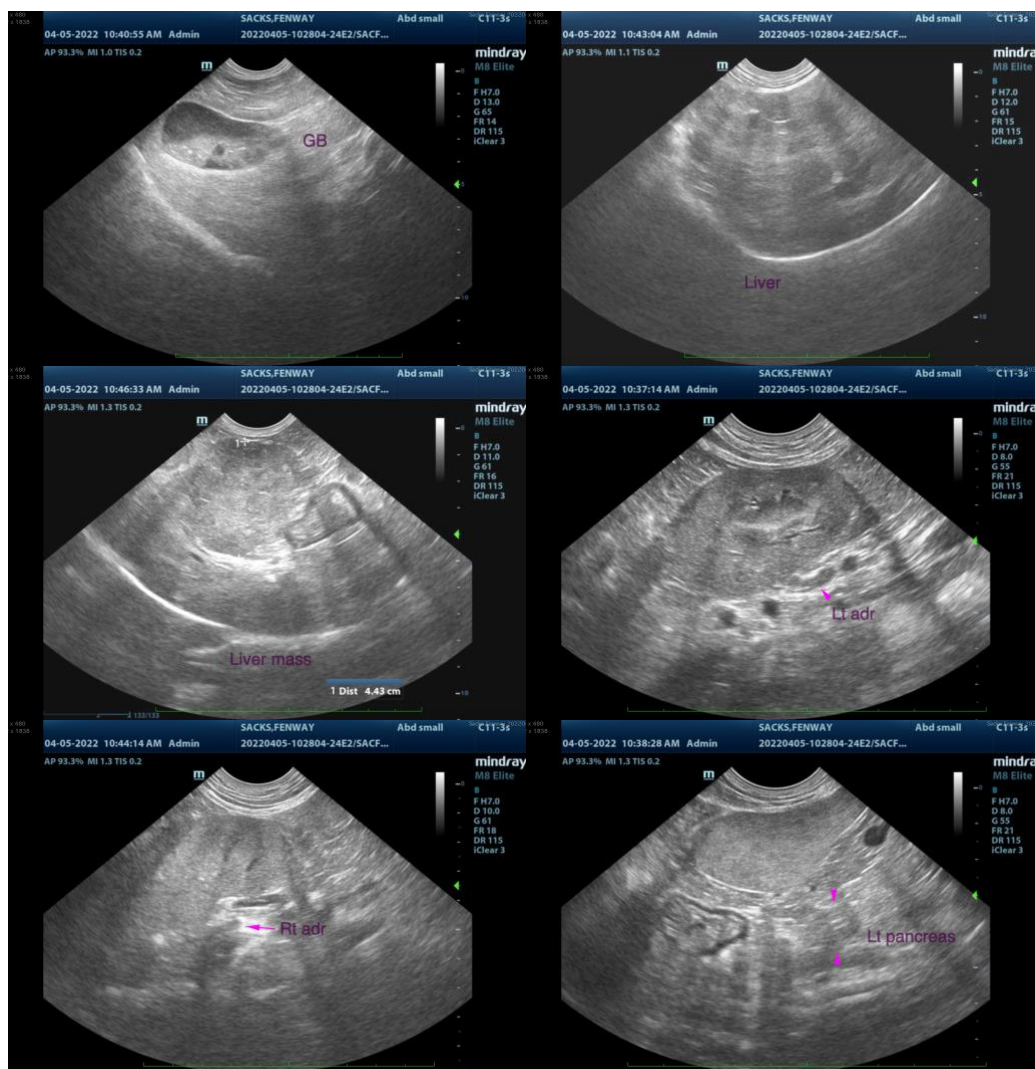
Dr. Pedro Santiago

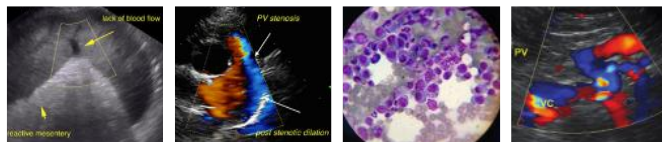
INVOICE

10679

DATE

4/5/22





PATIENT

Fenway Sacks

SPECIES

Canine

BREED

Mixed

SEX

Spayed Female

AGE

8 years

WEIGHT

49 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr Lynette Reyes

HOSPITAL NAME

Mobile Vet Ultrasound

REFERRING VET

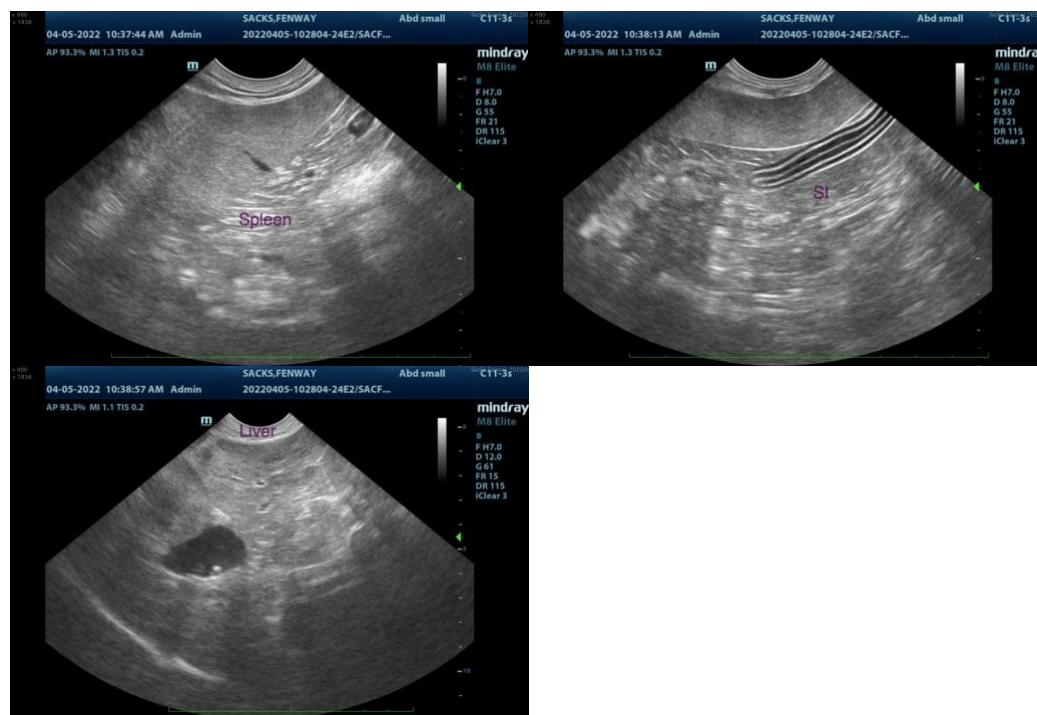
Dr. Pedro Santiago

INVOICE

10679

DATE

4/5/22



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