

PATIENT

Rollie Berman

SPECIES

Canine

BREED

Lab

SEX

Spayed Female

AGE

1/26/2011

WEIGHT

79 lbs

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: Grade 2 murmur. PU/PD r/o neoplasia, endocrine
Increased respiratory effort (per O, not witnessed) r/o cardiac, respiratory (inflammatory), neoplasia
Elevated Les. Hindend weakness r/o neoplasia, neuro Plan

Comments: Rads (3 view abdomen & thorax): verbal review by Dr. Simone
Thorax: no definitive cardiomegaly, no evidence of L congestive heart failure, but can't r/o cardiac dz ,
unstructured interstitial pattern (likely just age related change), no masses

Abdomen: SI gas filled and normal, ventrally rounded soft tissue opacity in cranioventral abdomen
which appears homogenous with liver in R lateral view, but separate in L lateral view, adjacent to
ventral extremity of spleen, kidney/bladder normal, retroperitoneal detail normal, multifocal
spondylosis including lumbosacral vertebrae, L4-L5 disc space narrowing, hips normal

Rads show suspect liver mass, bloodwork has elevated LEs, top differentials are neoplasia vs Cushing's.
Reco AUS as next step with possible aspirate of mass. AUS will also show us if adrenals are enlarged,
so I think that test will give us the best info before doing a LDDS.

ABNORMAL Labwork Values see attached history
Current Medications see attached history
Radiographic Findings see attached history
Fine Needle Aspirates: Client approved Sedation and FNA Consent

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

INTERPRETED BY

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

Urinary System

The urinary bladder is mildly distended. The wall is diffusely and severely thickened (up to 2.12 cm),
irregular and heterogenous, with a few polypoid-like lesions. Luminal contents are anechoic. No cystic
calculi are observed. The region of the trigone and the visualized portion of the proximal urethra are
normal.

IMAGING PERFORMED BY

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

The left kidney is normal size (8.38 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
hydroureter. Renal vasculature is normal.

HOSPITAL NAME

Sun Dog Cat Moon VC

The right kidney is normal size (8.55 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
hydroureter. Renal vasculature is normal.

REFERRING VET

Dr. Abby Clayton

Adrenal Glands

The left adrenal gland is normal size (0.78 cm at cranial pole) (0.58 cm at caudal pole) (2.91 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.

INVOICE

10436

DATE

2/21/22



PATIENT

Rollie Berman

The right adrenal gland is normal size (1.67 cm at cranial pole) (0.84 cm at caudal pole) (2.90 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.

SPECIES

Canine

Spleen

The spleen is normal in size (1.71 cm in width at the level of the hilus) with a normal capsular contour. The parenchyma is mottled in appearance. No focal lesions are observed. Splenic vasculature is normal.

BREED

Lab

Liver

The liver is enlarged with a swollen, irregular contour in the right lateral lobe. The parenchyma is isoechoic relative to the spleen and diffusely heterogenous, with several ill-defined hyperechoic nodules throughout the parenchyma. In the right lateral lobe/caudate process, the parenchyma is particularly heterogenous/nodular in appearance, although a distinct mass is not seen. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

SEX

Spayed Female

AGE

1/26/2011

The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal.

WEIGHT

79 lbs

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 small intestinal lumen is mildly fluid distended. 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 or overt infiltrative disease is noted.

INTERPRETED BY

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

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

**IMAGING
PERFORMED BY**

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

Free Abdomen

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

HOSPITAL NAME

Sun Dog Cat Moon VC

Other

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

REFERRING VET

Dr. Abby Clayton

ULTRASONOGRAPHIC FINDINGS

INVOICE

10436

Primary Findings

DATE

2/21/22



PATIENT

Rollie Berman

SPECIES

Canine

BREED

Lab

SEX

Spayed Female

AGE

1/26/2011

WEIGHT

79 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

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

HOSPITAL NAME

Sun Dog Cat Moon VC

REFERRING VET

Dr. Abby Clayton

INVOICE

10436

DATE

2/21/22

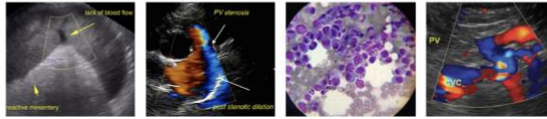
- The hepatic parenchymal changes could be seen with a benign process such as excessive regenerative nodular hyperplasia. However, neoplasia (i.e., adenocarcinoma) cannot be completely excluded, particularly on the right side.
- The urinary bladder wall changes could be consistent with polypoid cystitis or infiltrative neoplasia (i.e., transitional cell carcinoma cell carcinoma). If the patient has a history of chronic urinary tract infections, polypoid cystitis would be favored.

Secondary Findings

- Bilateral degenerative renal changes
- Splenic parenchyma changes trend toward the benign (i.e., lymphoid hyperplasia or extramedullary hematopoiesis). However, emerging neoplasia (i.e., round cell tumor), cannot be completely excluded.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- To further investigate the hepatic pathology, consider the following:
 1. Pre-and postprandial serum bile acids to assess hepatic function
 2. Surgical liver biopsy. A fine-needle aspirate of the liver could be considered. However, cytology results may be inconclusive, as they often do not represent global organ pathology.
- Despite the normal-sized adrenal glands, Cushing's disease is also a consideration. Therefore, consider further testing (i.e., low-dose dexamethasone suppression test or ACTH stimulation test).
- Given the history of PUPD, a urine culture and sensitivity can also be considered to assess for occult pyelonephritis.
- Regarding the urinary bladder changes, a urine BRAF test can be considered to further assess for lower urinary tract neoplasia



PATIENT

Rollie Berman

SPECIES

Canine

BREED

Lab

SEX

Spayed Female

AGE

1/26/2011

WEIGHT

79 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

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

HOSPITAL NAME

Sun Dog Cat Moon VC

REFERRING VET

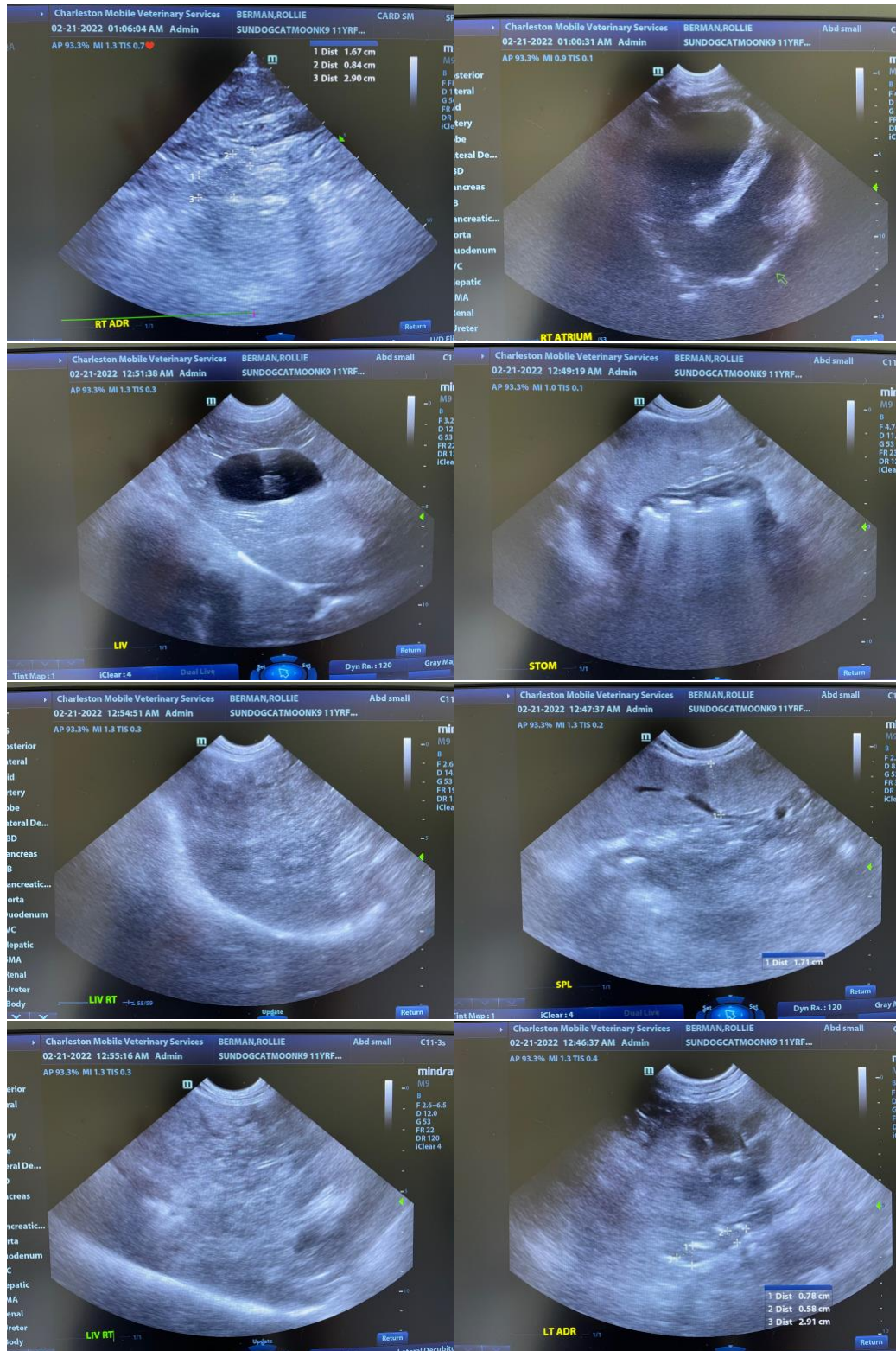
Dr. Abby Clayton

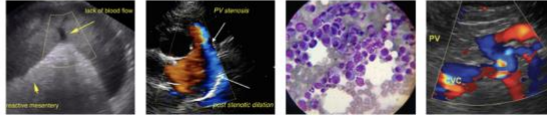
INVOICE

10436

DATE

2/21/22





PATIENT

Rollie Berman

SPECIES

Canine

BREED

Lab

SEX

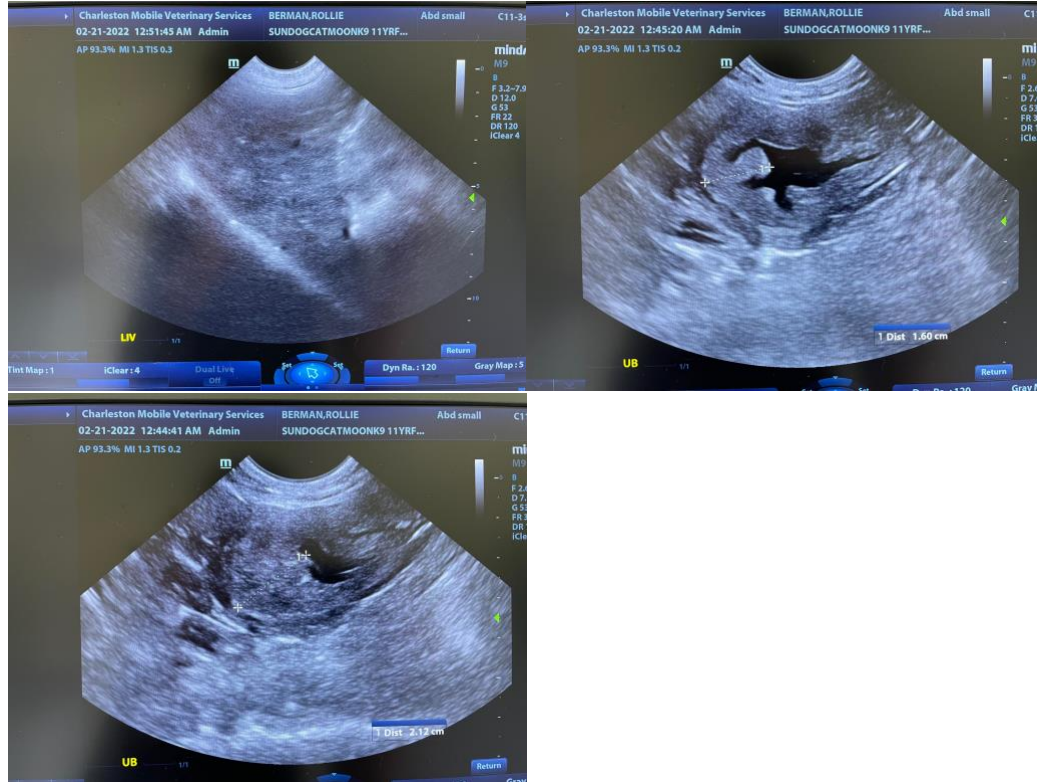
Spayed Female

AGE

1/26/2011

WEIGHT

79 lbs



INTERPRETED BY

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

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.

IMAGING PERFORMED BY

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

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

HOSPITAL NAME

Sun Dog Cat Moon VC

REFERRING VET

Dr. Abby Clayton

INVOICE

10436

DATE

2/21/22