



PATIENT

Jelly Bean Larson

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 Years

WEIGHT

46 Lbs.

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

**IMAGING
PERFORMED BY**

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging KC

REFERRING VET

Dr. Jennifer Simon

INVOICE

12884

DATE

12/9/21

PRESENTING CLINICAL SIGNS

History: PU/PD, lethargic. Anorexia about 3 days.

Abnormal PE/Chem/CBC/UA Results: Depressed, high calcium and high liver enzymes on labwork.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and pelvic urethra are 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. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2.00 cm, are normal.

The left kidney presented normal size (7.02 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney presented normal size (7.25 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.62 cm at cranial pole) (0.64 cm at caudal pole) (2.61 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 right adrenal gland is normal size (1.06 cm at cranial pole) (0.87 cm at caudal pole) (2.40 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.

Spleen

The spleen is normal in size (1.49 cm in width at the level of the hilus) with a normal capsular contour. A light micronodular pattern is present throughout the parenchyma. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and exhibits mild heterogeneity. No focal distinct lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion.

The gall bladder lumen is moderately distended. The wall is thin and smooth. A small to moderate amount of aggregated echogenic partially dependent debris/sludge is observed within the lumen. The cystic and common bile ducts are normal.

Gastrointestinal



PATIENT

Jelly Bean Larson

The gastric lumen is mildly to moderately distended with ingesta. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is segmentally dilated with chyme. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileocecolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.

SPECIES

Canine

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.

BREED

Mix

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

ULTRASONOGRAPHIC FINDINGS

AGE

12 Years

- Non-specific diffuse hepatopathy. Differentials include inflammatory/immune mediated disease, hepatotoxicosis (i.e., copper), infiltrative neoplasia (less likely), +/- age-related change (i.e., regenerative nodular hyperplasia, vacuolar hepatopathy), other hepatopathy.
- Gallbladder sludge, non-mucocele
- The diffuse splenic changes are non-specific and could be consistent with lymphoid hyperplasia, extramedullary hematopoiesis, or infiltrative neoplasia (less likely). Cytology or histopathology would be necessary to get a definitive diagnosis.
- Minor age-related renal changes

WEIGHT

46 Lbs.

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

*An obvious cause for the patients' hypercalcemia is not identified in the study. Considerations include occult neoplasia, primary hyperparathyroidism, excess dietary intact, renal disease (if applicable), other.

IMAGING PERFORMED BY

Rachel Runnells, RVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

SVS Imaging KC

- A thorough rectal examination is recommended to assess for anal gland tumors.
- Three-view thoracic radiographs are recommended to assess for occult neoplasia in the chest.
- A PTH/PTHrP and ionized calcium levels (Michigan State University Veterinary Diagnostic Laboratory is recommended); <https://cvm.msu.edu/vdl/laboratory-sections/endocrinology>.
- Depending on the degree of liver enzyme elevations, hepatic tissue sampling (i.e., fine needle aspirate or biopsy) can be considered. Clotting times should be assessed prior to any hepatic tissue sampling.

REFERRING VET

Dr. Jennifer Simon

INVOICE

12884

DATE

12/9/21



PATIENT

Jelly Bean Larson

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 Years

WEIGHT

46 Lbs.

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

**IMAGING
PERFORMED BY**

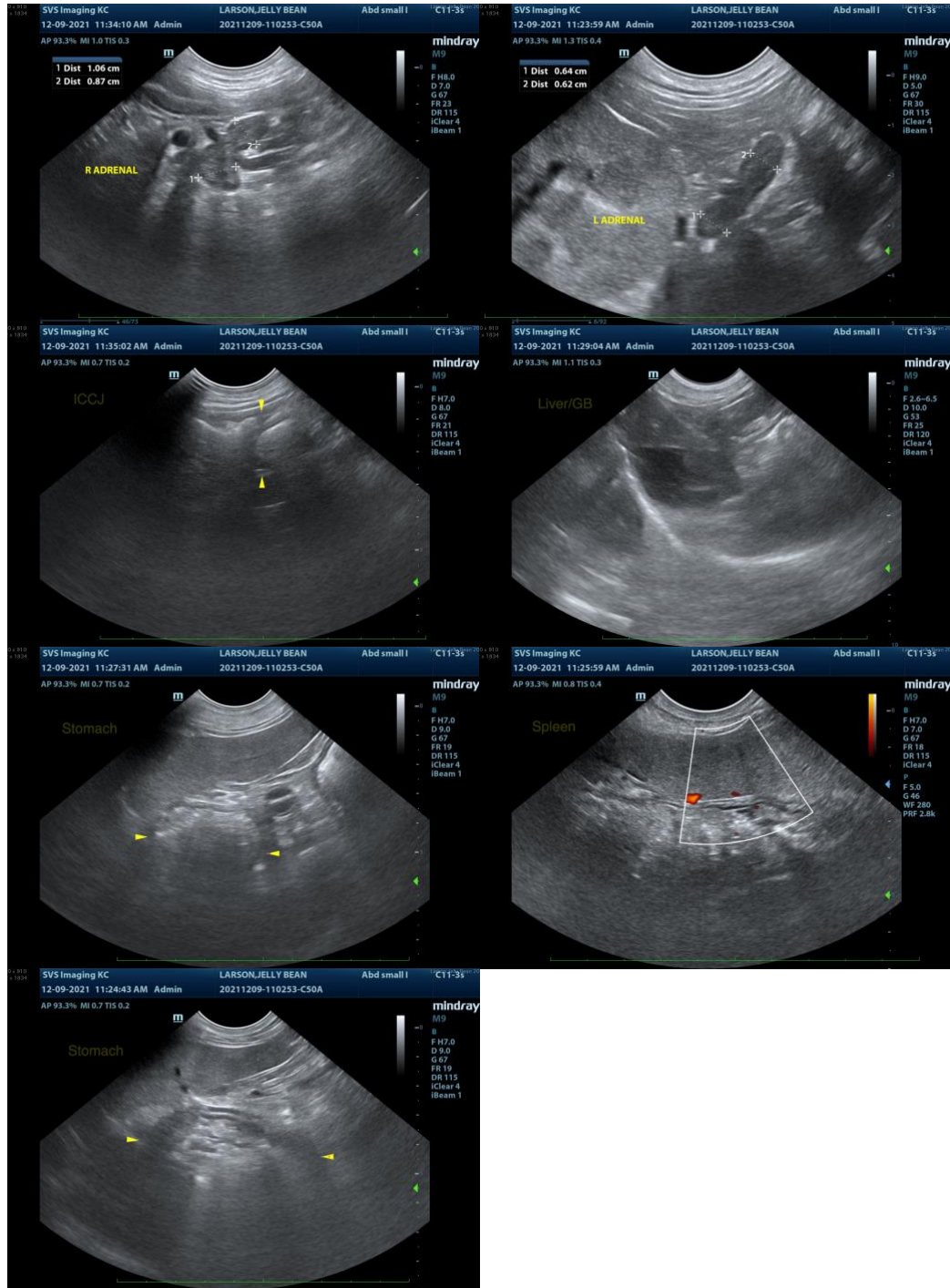
Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging KC

REFERRING VET

Dr. Jennifer Simon



INVOICE

12884

DATE

12/9/21

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



PATIENT

can be of any further assistance please contact me.

Jelly Bean Larson

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

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 Years

WEIGHT

46 Lbs.

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

**IMAGING
PERFORMED BY**

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging KC

REFERRING VET

Dr. Jennifer Simon

INVOICE

12884

DATE

12/9/21