



PATIENT

Sadie Rasmussen

SPECIES

Canine

BREED

Welsh Corgi Mix

SEX

SF

AGE

13 years 7 months

WEIGHT

13.7 kg

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Dr. Jill Rankin

HOSPITAL NAME

Signal Hill Animal Clinic

REFERRING VET

Dr. Sweet

INVOICE

11515

DATE

3/18/2026

PRESENTING CLINICAL SIGNS

- Sadie is a patient presenting with recent gastrointestinal signs, with a history of a soft tissue sarcoma and current laboratory findings indicating mildly elevated liver enzymes and creatinine with dilute urine.
- The patient recently presented for anorexia, one episode of vomiting, and diarrhea. Blood work revealed a mildly elevated ALT of 250, which is noted to be a chronic finding as she typically hovers around 240. Her creatinine was also mildly elevated at 139. A urinalysis showed dilute urine with a specific gravity of 1.014. Her T4 level was normal. The current evaluation is being performed as a screening to investigate for a potential underlying internal issue.
- Approximately two years ago, Sadie had a soft tissue sarcoma with vascular invasion surgically removed from her side. This history is a point of concern for the current investigation.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The bladder is moderately distended with anechoic urine. No uroliths are seen. The bladder wall is normal in appearance and thickness. No masses are seen. Ureteral papillae is not visualized.

The left kidney presents normal size with normal shape and architecture. Multifocal hyperechoic pinpoint foci in the renal pelvis, consistent with benign renal nephrocalcinosis. Normal corticomedullary distinction. No pyelectasia or ureteral dilation. The left kidney measured 5.3 cm in length.

The right kidney presents normal size and irregular in shape. It has a dilated renal pelvis containing mild hyperechoic fat, and measures 4.0 mm in width. Normal corticomedullary distinction. No pyelectasia or nephrolithiasis. The right kidney measured 3.4 cm in length.

Adrenal Glands

The left adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 4.4 mm and the caudal pole measures 4.7 mm.

The right adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 6.2 mm and the caudal pole measures 3.9 mm.

Spleen

The spleen is normal in size, shape, margination and echogenicity. No masses are seen.

Liver

The liver presents normal size and is heterogenous and diffusely hyperechoic echogenicity with a diffusely mottled echotexture. No focal lesions are seen. Intrahepatic bile ducts are normal. Normal vascular pattern.

The gallbladder contains a mild amount of suspended echogenic debris that appears clinically insignificant. The reported hypoechoic material within the gallbladder lumen appears to be ultrasound artifact. Normal gallbladder wall. No evidence of bile duct distention or obstruction.



PATIENT

Sadie Rasmussen

SPECIES

Canine

BREED

Welsh Corgi Mix

SEX

SF

AGE

13 years 7 months

WEIGHT

13.7 kg

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Dr. Jill Rankin

HOSPITAL NAME

Signal Hill Animal Clinic

REFERRING VET

Dr. Sweet

INVOICE

11515

DATE

3/18/2026

Gastrointestinal

The stomach contains a marked amount of gas. The stomach wall is diffusely normal in thickness and layering. Small intestines have normal wall layering and thickness. Colon contains normal contents with normal wall thickness.

Pancreas

The visible pancreas is normal in size with normal echogenic parenchyma and surrounded by normal peri-pancreatic mesentery. Left limb of the pancreas is not visualized due to shadowing caused by a marked amount of gas in the stomach.

Free Abdomen

There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.

ULTRASONOGRAPHIC FINDINGS

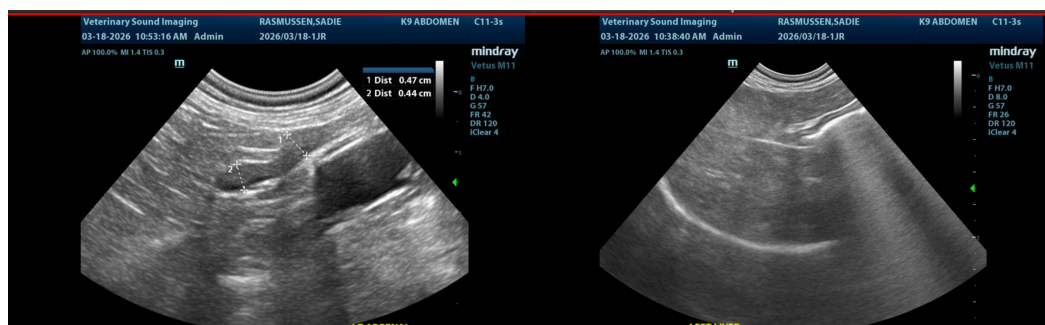
- Mildly hyperechoic liver.
- Incidental Gallbladder debris.
- Mild renal pelvic dilation that contains mild hyperechoic fat in the right kidney.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of soft tissue sarcoma or other neoplasia is seen on this exam.

The liver is heterogenous and hyperechoic, with a diffusely mottled echotexture. This is most likely age related; however, other differentials include round cell neoplasia such as lymphoma, mast cell disease. Recommend fine needle aspirate to rule out round cell neoplasia. If round cell neoplasia is definitively ruled out, then consider periodic recheck of lab work, given the patient has a chronic history of mild ALT elevation. Other differentials would include chronic leptospirosis as cause of chronic ALT elevation. Consider leptospirosis testing.

Rule out pyelonephritis as the cause of the appearance of the right kidney. Recommend urine culture. If urinary tract infection or pyelonephritis is ruled out, and it appears the patient has early chronic kidney disease then recommend full staging, monitoring, and managing per IRIS guidelines.





PATIENT

Sadie Rasmussen

SPECIES

Canine

BREED

Welsh Corgi Mix

SEX

SF

AGE

13 years 7 months

WEIGHT

13.7 kg

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Dr. Jill Rankin

HOSPITAL NAME

Signal Hill Animal Clinic

REFERRING VET

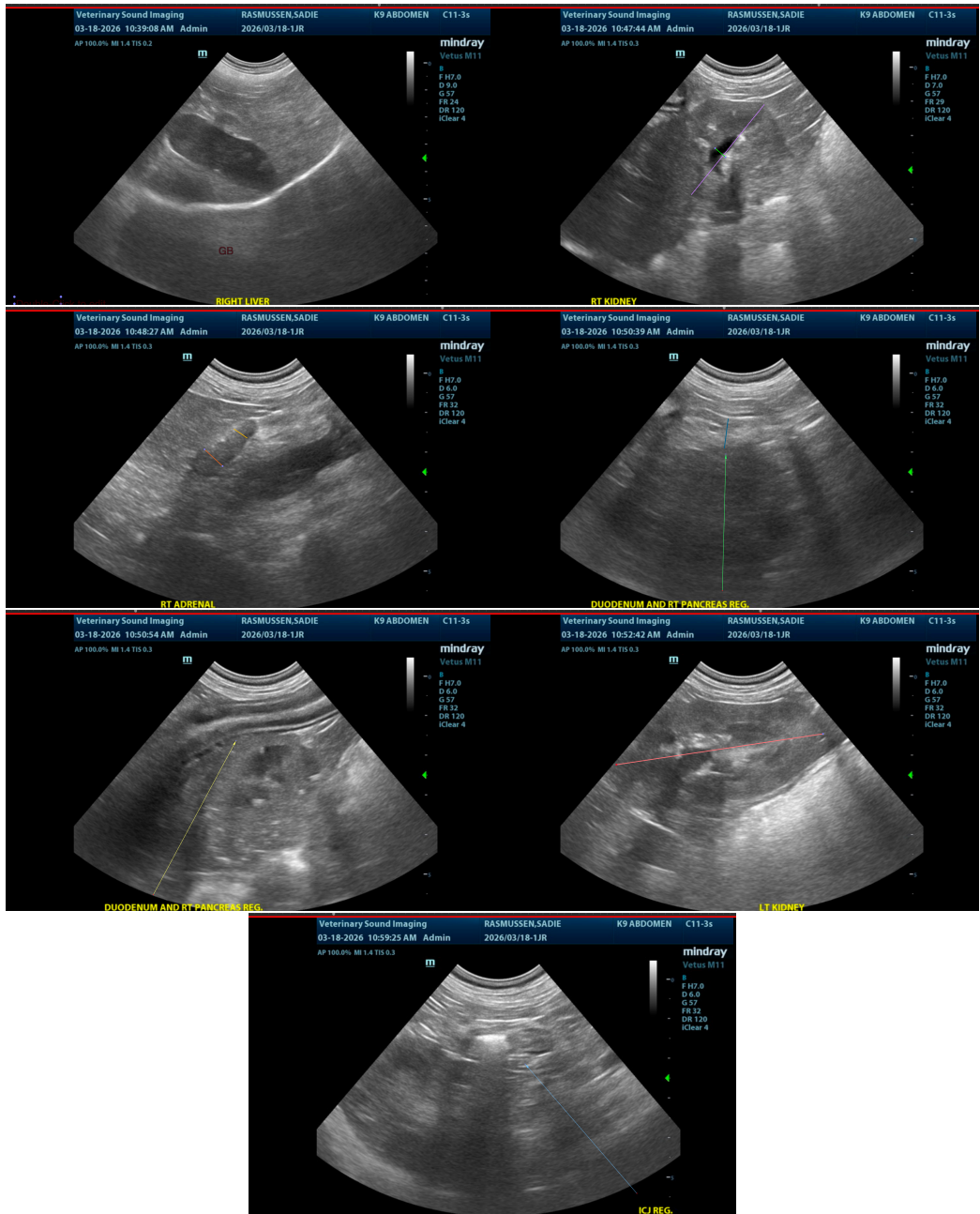
Dr. Sweet

INVOICE

11515

DATE

3/18/2026



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.

Greg Kuhlman, DVM, DACVIM (SAIM) Veterinary Internal Medicine Specialist
info@SonoPath.com