



PATIENT

Bailey Sarraff

SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

16 years

WEIGHT

11.5 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kelly Schwanebeck

HOSPITAL NAME

Animal Emergency
Hospital Deland

REFERRING VET

Dr. Schwanebeck

INVOICE

69763

DATE

1/1/26

PRESENTING CLINICAL SIGNS

History: Bailey is a 16 YO MN Terrier mix who was presented for being painful post-mass removal. Patient had a mass removed with pDVM yesterday. The mass was on the cranial aspect of R elbow. The mass had been slowly increasing in size, was ulcerated and bleeding - for the past couple months. Patient has been lethargic post-op. He is not moving around like normal, he has been painful, not eating nor drinking. Patient PCV was 20% yesterday at pDVM. He returned to pDVM today, PCV 24%. He received a 72hr buprenorphine injection. Since then, he has been vocalizing, not willing to move, and seems painful.

CBC: WBC 80.65K, neut 74.84K, mono 3.47K, HCT 16.6%, HGB 5.4, RBC 2.07, MCV 80.3, retic 4.69%
Chem: BUN 93.4, crea 2.4, phos 14.6, Ca 8.4, TP 4.8, alb 2.3, BG 274, ALT 594, ALP 620 EPOC: HCO3 14.3, pH 7.255, K+ 5.4, BUN 73, crea 3.36, BG 240, HCT 14% PCV/TS: 20% / 5g/dL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. A trace amount of sand was noted and non-obstructive. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex. Slight cortical cysts were noted in the kidneys. The left kidney measured 4.7 cm. The right kidney revealed slight pyelectasia and slight microinfarcts. The right kidney measured 5.2 cm.

Adrenal Glands

The left **adrenal gland** was significantly enlarged and measured 3.4 x 2.0 cm at the cranial pole and 1.7 cm at the caudal pole with a hyperechoic nodule measuring 1.5 cm at the cranial pole. Capsular expansion was noted with pericapsular inflammatory pattern.

The **right adrenal** was enlarged, irregular and nodular with heterogenous changes. There was capsular expansion without capsular escape noted. The right adrenal gland measured 4.1 x 3.5 cm.

Spleen

The **spleen** revealed slight enlargement and scalloping contour.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Anechoic cysts were noted in the liver measuring 1.9 cm. Subjectively benign swelling was noted in the right liver measuring 5.5 cm, which is consistent with hepatoma. Some



PATIENT

Bailey Sarraff

SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

16 years

WEIGHT

11.5 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kelly Schwanebeck

HOSPITAL NAME

Animal Emergency
Hospital Deland

REFERRING VET

Dr. Schwanebeck

INVOICE

69763

DATE

1/1/26

age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder wall was echogenic and thickened with minor micropolypoid changes and a slight amount of sand. The hyperechoic changes were noted in the gallbladder wall and is suggestive for fibrosis. The hepatic lymph nodes were unremarkable.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

ULTRASONOGRAPHIC FINDINGS

Age related abdominal changes with swollen, irregular spleen and bilateral adrenal masses, more aggressive on the right. Adrenal differentials include adenoma, adenocarcinoma and pheochromocytoma.

Acute on chronic renal failure is likely, yet the kidneys do not appear end stage. Nephritis is suspected.

Some level of pancreatitis is likely.

Chronic fibrosing cholangitis.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Complicating factors such as hypertension, infectious disease, toxin exposure are all potentials. Serial blood pressure measurements are warranted. If hypertension is an issue then urine metanephrine level is indicated to assess for potential pheochromocytoma, which can be justified from either the right or left adrenal pathology. Some level of pancreatitis, steatitis and nephritis is likely as cause of pain.

There was no level of bleeding. I cannot rule out GI blood loss in case melena is in the patient's history. Prognosis is guarded.



PATIENT

Bailey Sarraff

SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

16 years

WEIGHT

11.5 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kelly Schwanebeck

HOSPITAL NAME

An imal Emergency
Hospital Deland

REFERRING VET

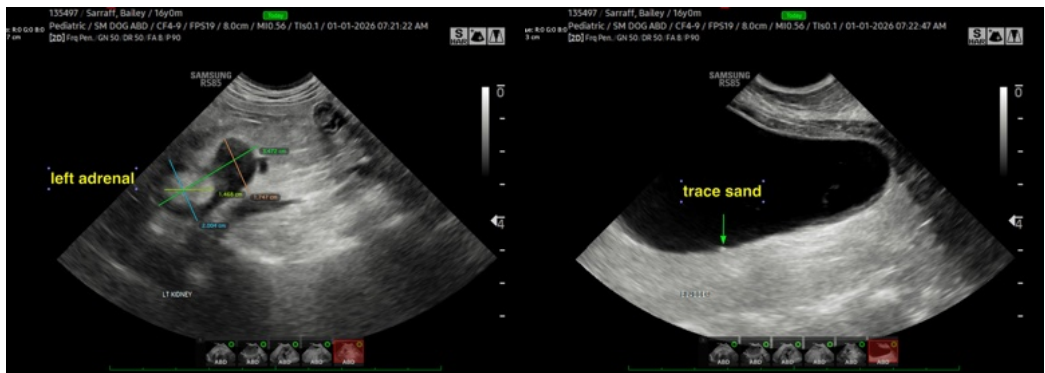
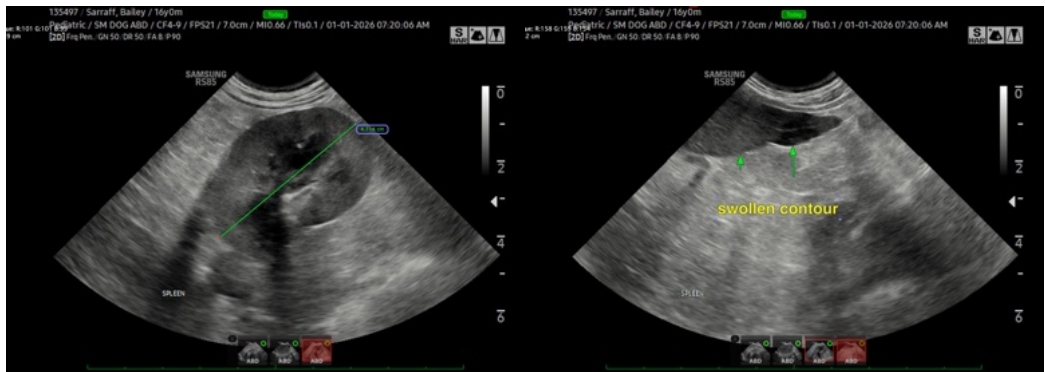
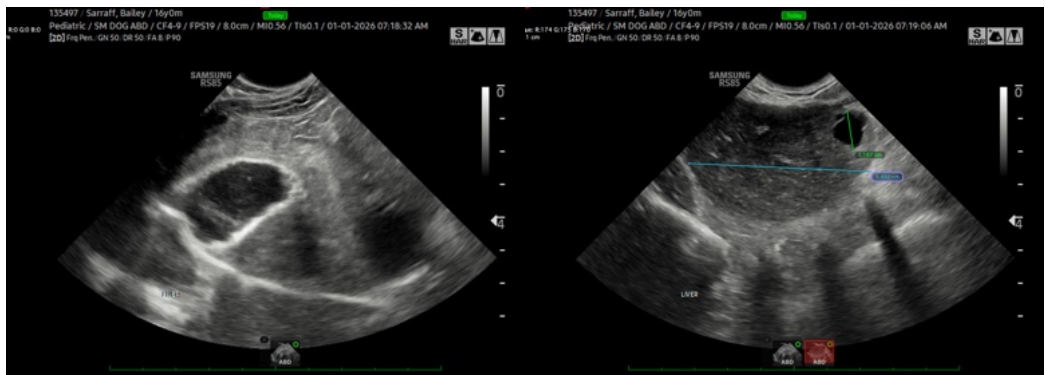
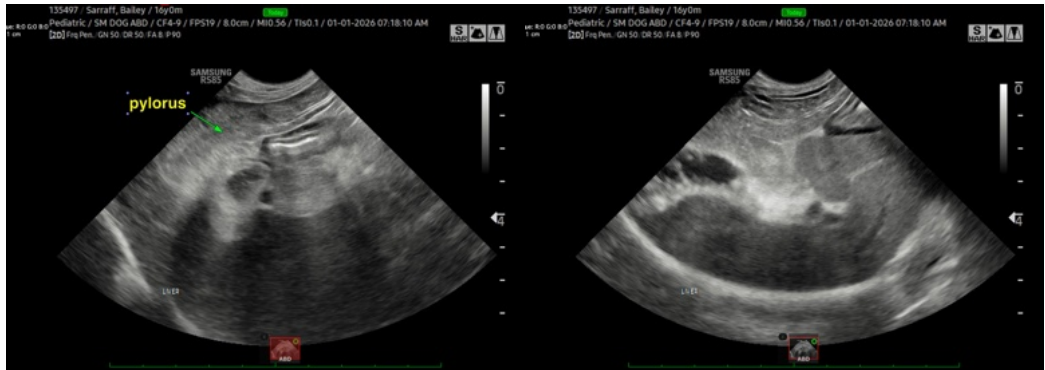
Dr. Schwanebeck

INVOICE

69763

DATE

1/1/26





PATIENT

Bailey Sarraff

SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

16 years

WEIGHT

11.5 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kelly Schwanebeck

HOSPITAL NAME

Animal Emergency
Hospital Deland

REFERRING VET

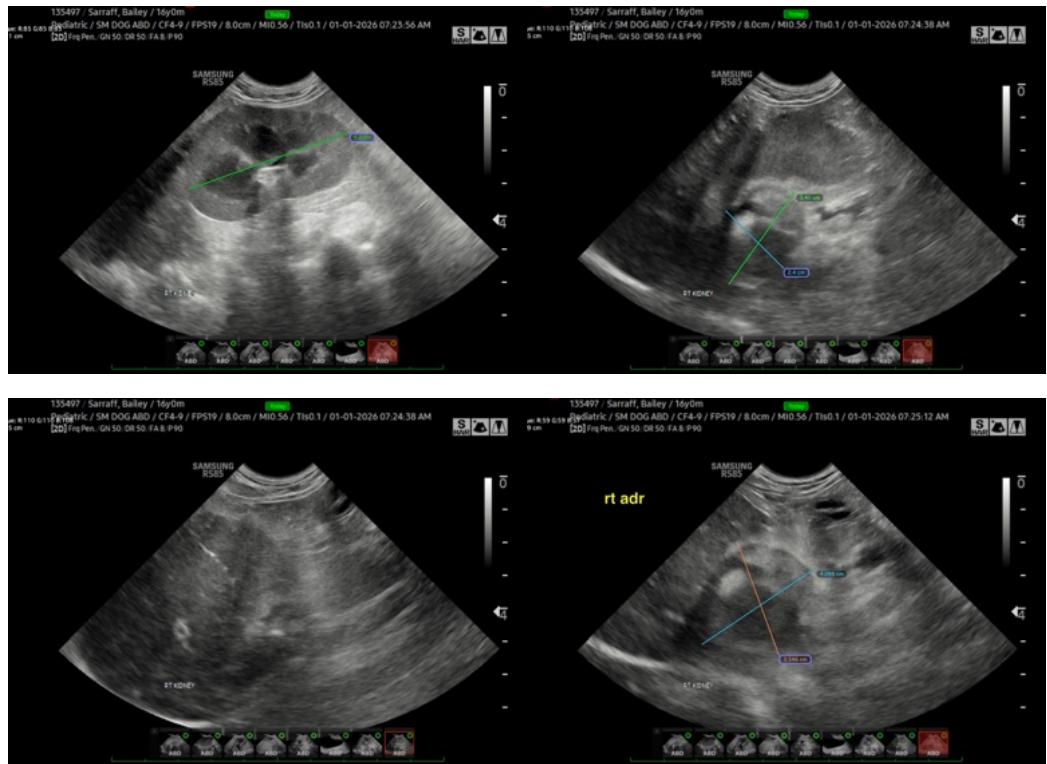
Dr. Schwanebeck

INVOICE

69763

DATE

1/1/26



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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com