



PATIENT

Cher Marshall

SPECIES

Canine

BREED

Shetland Sheepdog

SEX

Spayed Female

AGE

12 Years

WEIGHT

23 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

John Sampson

HOSPITAL NAME

Richboro Vet Hospital

REFERRING VET

Dr. John Sampson

INVOICE

23564

DATE

7/21/23

PRESENTING CLINICAL SIGNS

Two weeks of depression/lethargy and inappetence with progression of jaundice 1 wk post clinical signs beginning.

Abnormal PE/Chem/CBC/UA Results: PE, blood work and brief abd ultrasound performed 7/12 - slight jaundice, some noted debris in gallbladder and pancreatic swelling - slight anemia HCT 34, WBC 9, NEU 7, PLT 96 ALT 833, ALKP 886, TBILI 2.5, AMYL >2500, LIPA 5423 T4 - 0.6 UA - UBG 8 mg/dL, BILI 6 mg/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. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were 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 mild 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.62 cm. The right kidney measured 4.2 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.33 cm.

Spleen

The **spleen** was mildly enlarged with swollen contour, measuring up to 2.0 cm on width. Cranial folding of the spleen was noted.

Liver

The **liver** was mildly enlarged with increase portal markings and uniform parenchyma. The gallbladder was near empty. Minor echogenic wall was noted in the gallbladder, nonspecific cholangitis pattern. Leptospirosis titers and ultrasound guided FNA are indicated. A hepatic lymph node was enlarged, rounded and hypoechoic, measuring 1.5 cm.

Gastrointestinal

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large



PATIENT

intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Cher Marshall

Pancreas

SPECIES

The **pancreas** was hypoechoic and irregular with enhanced mesentery, consistent with pancreatitis.

Canine

BREED

ULTRASONOGRAPHIC FINDINGS

Shetland Sheepdog

- Cholangitis with hepatic lymphadenopathy pattern
- Concurrent pancreatitis, mild
- Partially full stomach
- Enlarged spleen
- Age-related abdominal changes otherwise

SEX

Spayed Female

AGE

12 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Minor potential for emerging neoplasia. Screening FNA of the spleen and liver is warranted. If accessible, FNA of the hepatic lymph node would be ideal, however, this may be difficult to access safely given the vicinity of the portal vein. Prognosis is very guarded. Leptospirosis titers is warranted. NO evidence of surgical disease.

WEIGHT

23 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

John Sampson

HOSPITAL NAME

Richboro Vet Hospital

REFERRING VET

Dr. John Sampson

INVOICE

23564

DATE

7/21/23



PATIENT

Cher Marshall

SPECIES

Canine

BREED

Shetland Sheepdog

SEX

Spayed Female

AGE

12 Years

WEIGHT

23 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

John Sampson

HOSPITAL NAME

Richboro Vet Hospital

REFERRING VET

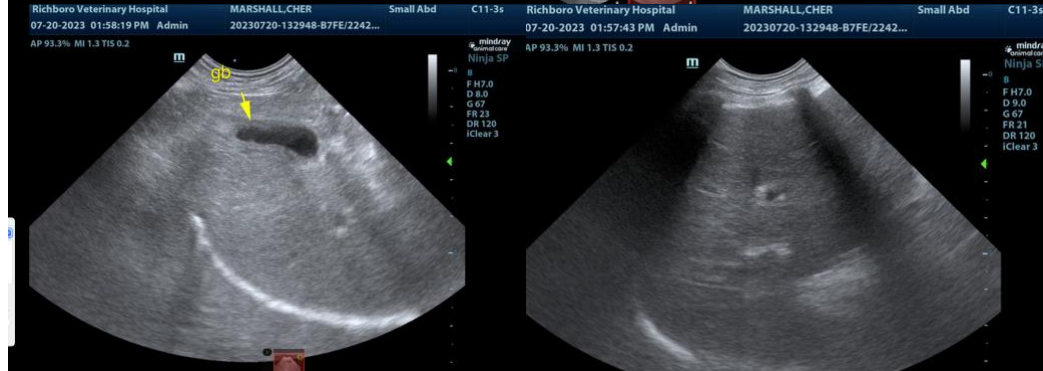
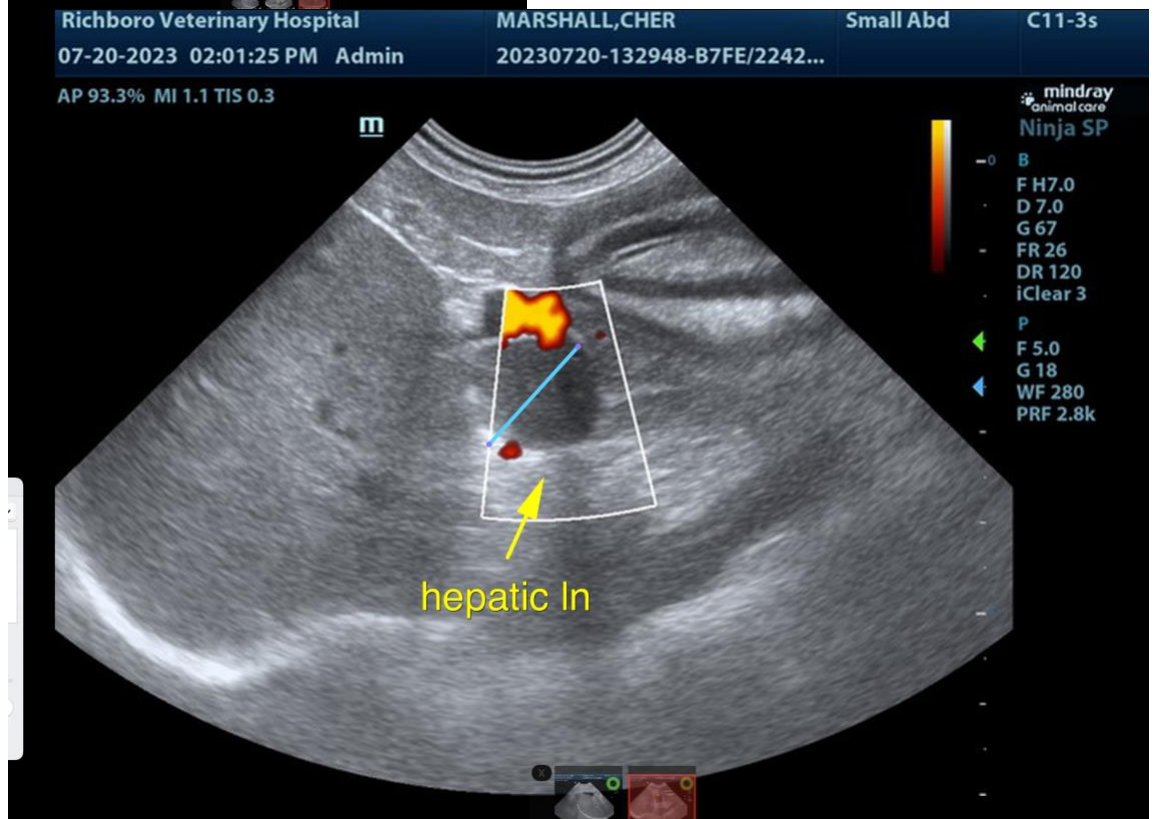
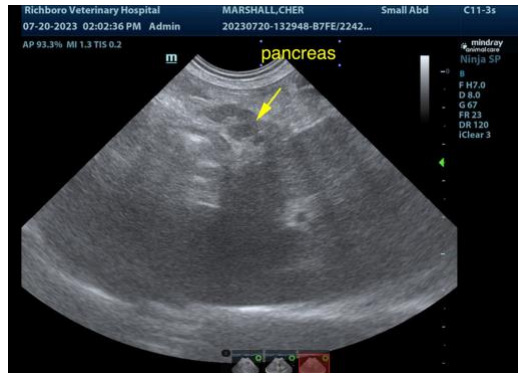
Dr. John Sampson

INVOICE

23564

DATE

7/21/23





PATIENT

Cher Marshall

SPECIES

Canine

BREED

Shetland Sheepdog

SEX

Spayed Female

AGE

12 Years

WEIGHT

23 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

John Sampson

HOSPITAL NAME

Richboro Vet Hospital

REFERRING VET

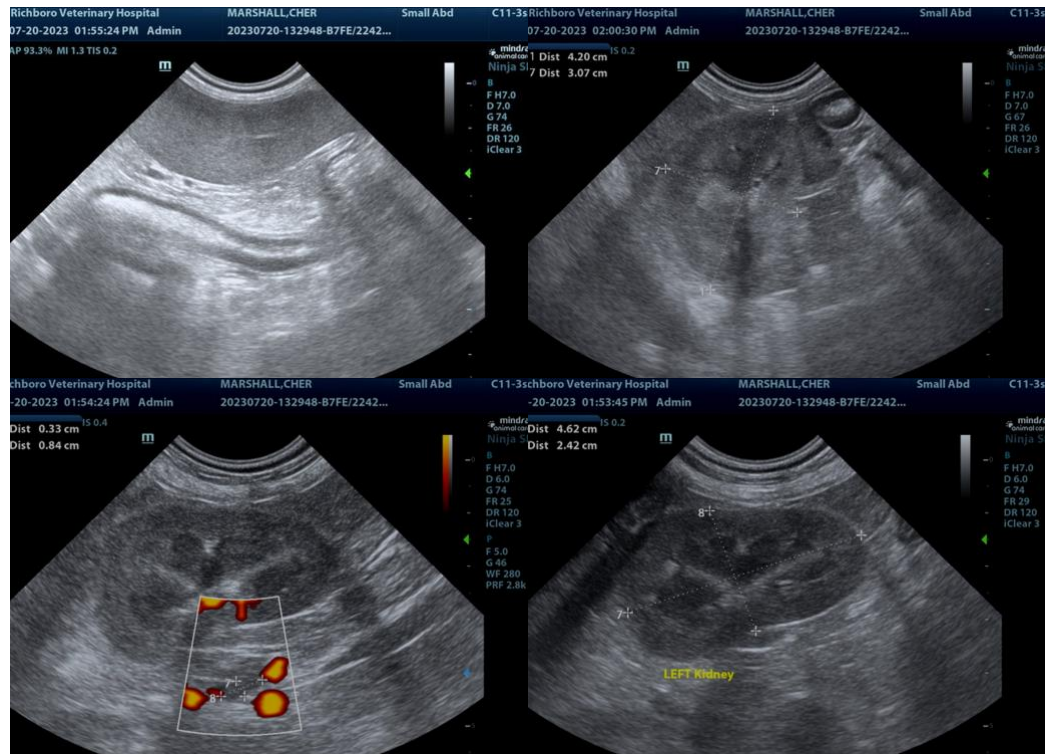
Dr. John Sampson

INVOICE

23564

DATE

7/21/23



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, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com