



PATIENT

Chuckie Ranger

SPECIES

Canine

BREED

Sheltie

SEX

Neutered Male

AGE

13 Years 6 Months

WEIGHT

33 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kevin Moon

HOSPITAL NAME

Shiloh Vet Hospital

REFERRING VET

Dr. Kevin Moon

INVOICE

46698

DATE

4/14/23

PRESENTING CLINICAL SIGNS

BCS 6/9 Seen 2/22 for swelling of the R carpus. Eventual joint tap was inflammatory, p has bene on Deramax since. BW done on 3/3/23 had elevated ALT and ALP. P was changed from Deramax to Galliprant and started on Denamarin. BW was rechecked 4/5/2023 showed further increase in ALT and ALP. Ultrasound scheduled.

Abnormal PE/Chem/CBC/UA Results: 3/3/23 4/5/2023 ALT (SGPT) 148 IU/L 209IU/L (12- 118) ALP 351IU/L 402 IU/L (5-131) ALP 132 2/22

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 pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.6 cm.

Adrenal Glands

The **left adrenal gland** was swollen at the cranial and caudal poles, measuring 0.80 cm at the caudal pole and 0.76 cm at the cranial pole.

The **right adrenal gland** measured 0.80 cm at the cranial pole and 0.50 cm at the caudal pole.

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. It was folded upon itself cranially. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

The **liver** itself presented a uniform vacuolar hepatopathy pattern. The gallbladder was mildly overdistended, yet teardrop appearance maintained. Minor pericapsular inflammatory pattern noted, consistent with atypical tubular mucocele, measuring 7.8 cm x 2.5 cm, with immobile suspended striating bile.

Gastrointestinal

The **stomach** presented shadowing material measuring up to 3.5 cm in width. If the patient was truly NPO at the time of the sonogram, then foreign matter is suspected. 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.



PATIENT

Pancreas

Chuckie Ranger

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

BREED

Sheltie

- Shadowing gastric material – possible soft foreign matter.
- Tubular gallbladder mucocele
- Swollen left adrenal gland
- Age related renal changes
- Age related splenic changes
- Vacuolar hepatopathy liver pattern

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

13 Years 6 Months

The gastric material could be consistent with pill pocket accumulation. However, foreign body cannot be ruled out. Recommend recheck sonogram after 12 hours NPO prior to any surgical intervention. If gastrotomy is necessary, manual expression of the gallbladder or direct cholecystectomy may be appropriate. Liver biopsy also warranted at time of surgery, given liver enzyme elevations. No evidence of neoplasia.

WEIGHT

33 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kevin Moon

HOSPITAL NAME

Shiloh Vet Hospital

REFERRING VET

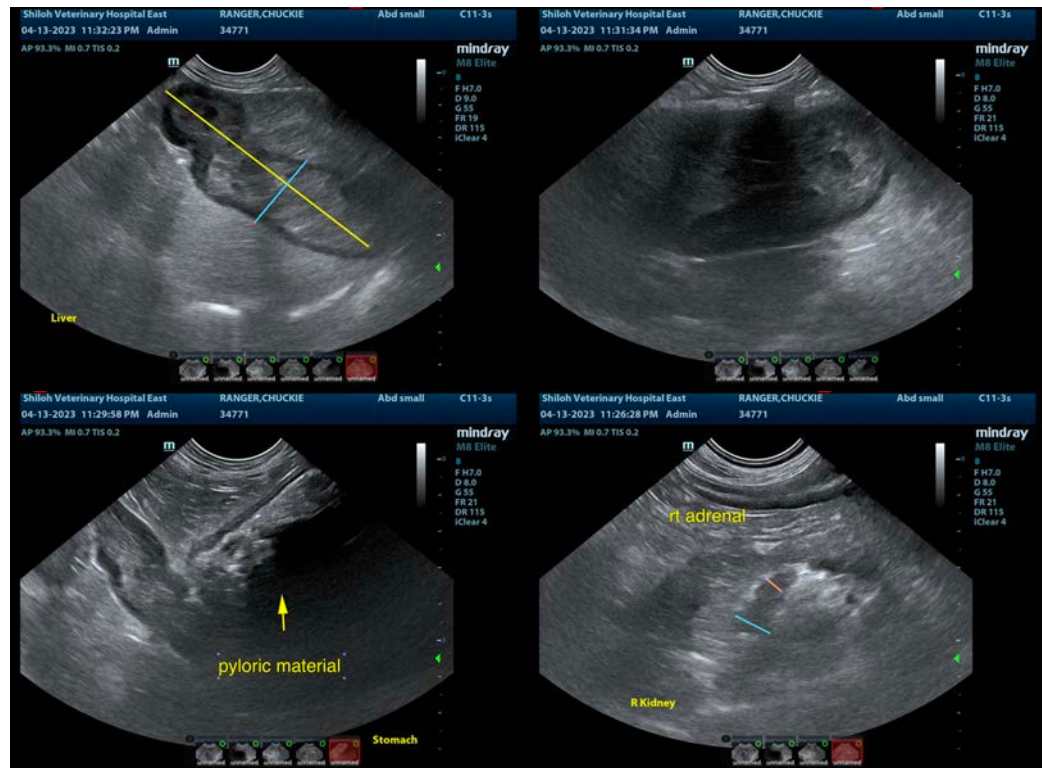
Dr. Kevin Moon

INVOICE

46698

DATE

4/14/23





PATIENT

Chuckie Ranger

SPECIES

Canine

BREED

Sheltie

SEX

Neutered Male

AGE

13 Years 6 Months

WEIGHT

33 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kevin Moon

HOSPITAL NAME

Shiloh Vet Hospital

REFERRING VET

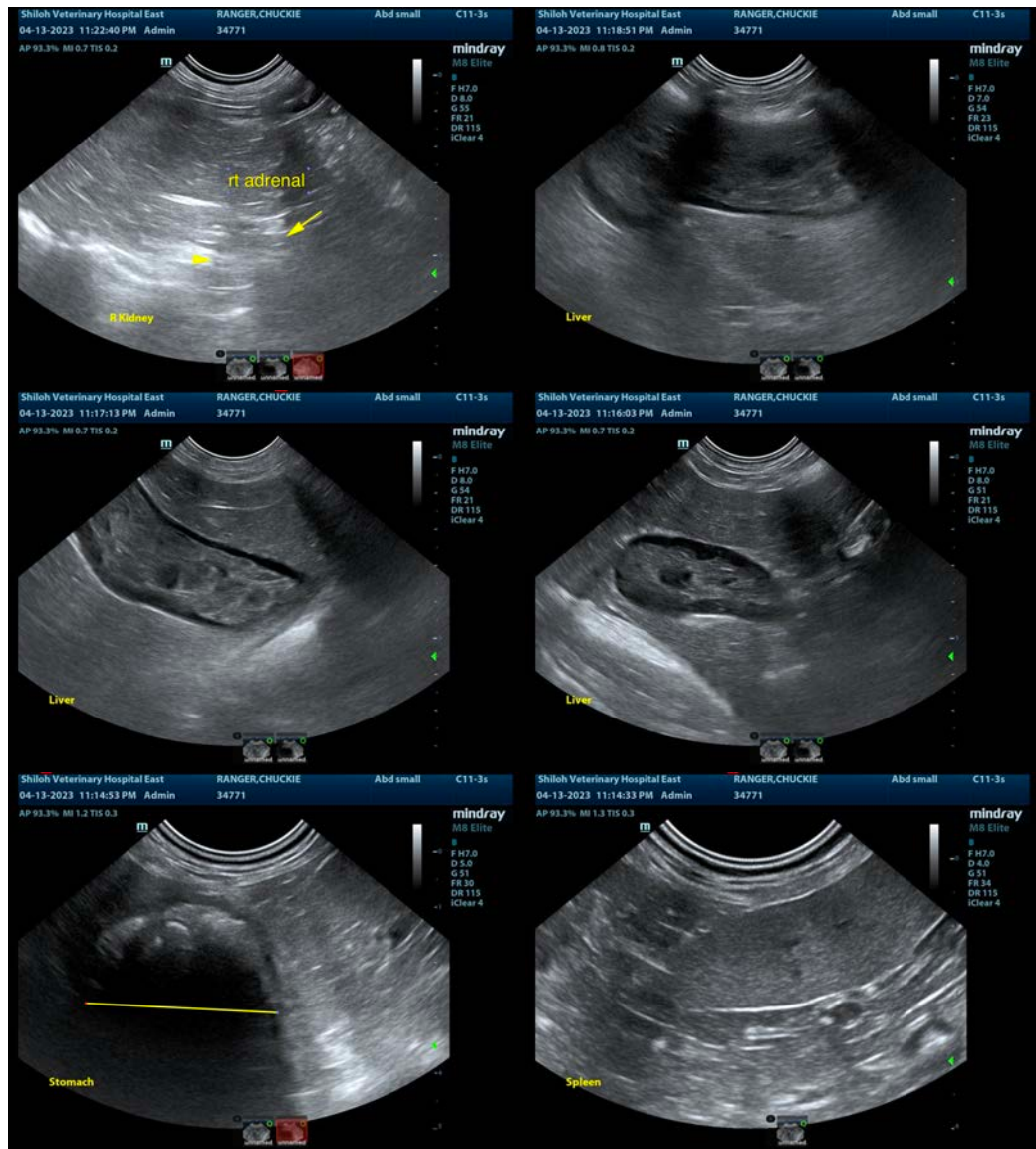
Dr. Kevin Moon

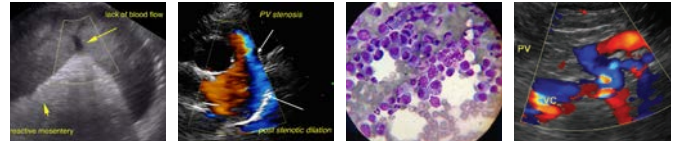
INVOICE

46698

DATE

4/14/23





PATIENT

Chuckie Ranger

SPECIES

Canine

BREED

Sheltie

SEX

Neutered Male

AGE

13 Years 6 Months

WEIGHT

33 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kevin Moon

HOSPITAL NAME

Shiloh Vet Hospital

REFERRING VET

Dr. Kevin Moon

INVOICE

46698

DATE

4/14/23



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