



PATIENT

Remy Knieling

SPECIES

Canine

BREED

Poodle X

SEX

Neutered Male

AGE

9 Years

WEIGHT

8.2 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Callihan

HOSPITAL NAME

Animal Emergency
Care

REFERRING VET

Dr. Loeffler

INVOICE

39572

DATE

7/16/22

PRESENTING CLINICAL SIGNS

7/15/22: to ER for labored breathing over the past 24 hours; V once Thur that owners know of, and diarrhea for last 2 days, very lethargic, not eating or drinking. No previous health conditions. No current meds. Presented distressed, sl cyanotic w temp 104.7, initially oxygen dependent, able to be moved out by end of day.

Abnormal PE/Chem/CBC/UA Results: Radiographs 3-view thorax: The cardiovascular structures are normal. There is mild diffuse bronchial pulmonary pattern and mild peribronchial infiltrates in the cranial segment of the left cranial lung lobe. CBC: -mild non regenerative anemia HCT 36% - leukocytosis WBC 18.78, neutropenia 1.09 - marked lymphocytosis LYM 17.65 (**these are actually nucleated RBCs and path review CBC is pending**), low MON 0.03, EOS 0.01, PLT 60. Chem17: Glob 5.2, ALP 250, Amy 1628, rest wnl Lytes: K 3.3, rest wnl PCV 37%, TS 8.3 at entry; recheck 24 hr later 32%/7.0 (hydration) Has been on Enro, Unasyn, pantoprazole, Cerenia, and due to hypotension during night refractory to fluid boluses, started NorEpi this morning and is normotensive on cri.

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 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. The right kidney measured 5.92 cm. The left kidney measured 4.94 cm with slight pyelectasia noted.

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 0.53 cm. The right adrenal gland measured 0.58 cm.

Spleen

The **spleen** revealed a focal expansive hypoechoic nodule measuring 0.92 cm.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Minor increased hepatic portal markings noted. The **gallbladder** was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

Gastrointestinal

Gastric stasis noted with minor mucosal hypertrophy. Small intestinal spasming noted with some reactive mesentery.



PATIENT

Pancreas

Remy Knieling

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

Free Abdomen

B-lines noted through the diaphragm.

BREED

Poodle X

PRIMARY FINDINGS

- Gastroenteritis presentation with splenic nodule
- Excessive gallbladder debris
- Comet tail lung pattern

SEX

Neutered Male

SECONDARY FINDINGS

- Age related renal cahnges

AGE

9 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Treatment for gastroenteritis with FNA of the splenic nodule indicated. GI protectant protocol warranted. CBC path review of the lymphocytosis indicated. Emerging lymphoma cannot be completely ruled out. However, other than the splenic nodule, there is no structural evidence of neoplasia. FNA of the splenic nodule warranted. Ursodiol therapy warranted long term.

WEIGHT

8.2 kg

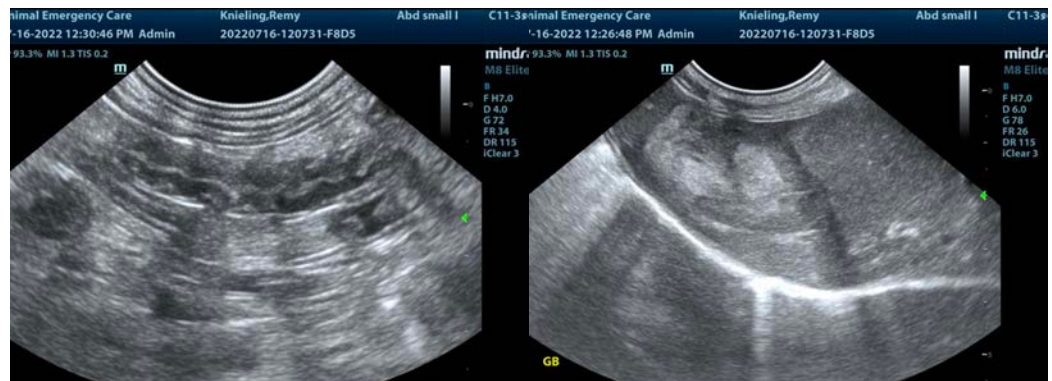
INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Callihan



HOSPITAL NAME

Animal Emergency Care



REFERRING VET

Dr. Loeffler

INVOICE

39572

DATE

7/16/22



PATIENT

Remy Knieling

SPECIES

Canine

BREED

Poodle X

SEX

Neutered Male

AGE

9 Years

WEIGHT

8.2 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Callihan

HOSPITAL NAME

Animal Emergency
Care

REFERRING VET

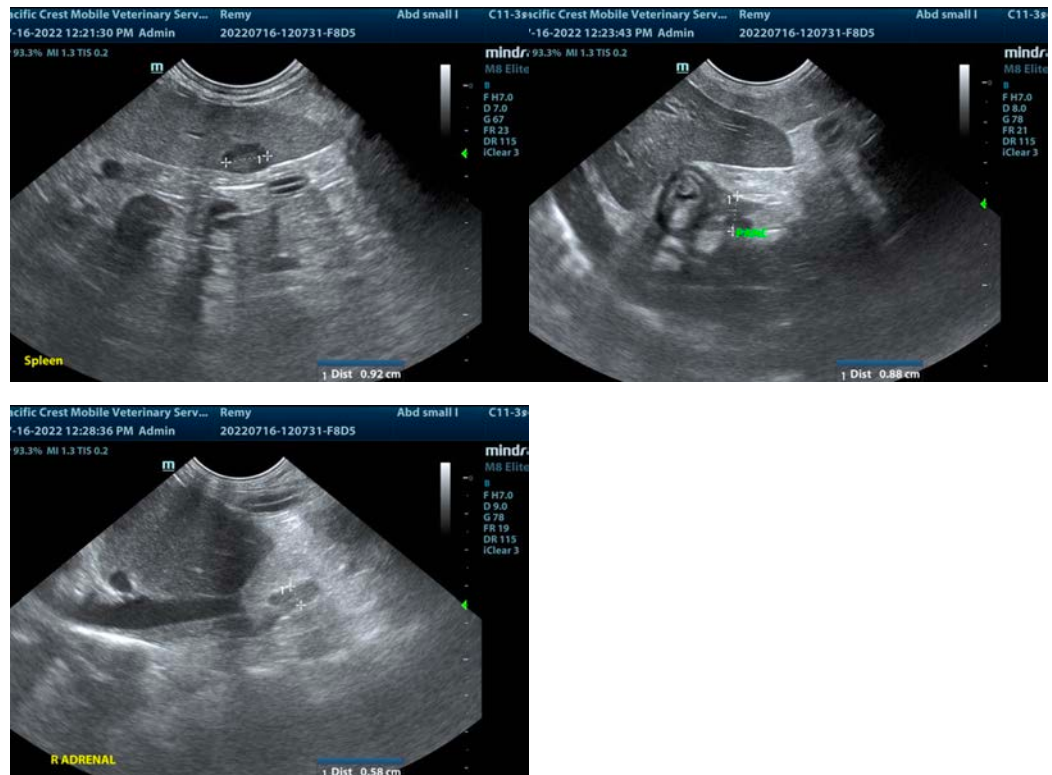
Dr. Loeffler

INVOICE

39572

DATE

7/16/22



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