



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Alfie Reid
SPECIES Canine
BREED Cocker Spaniel
SEX Neutered male
AGE 9 years
WEIGHT 12.6 kg

History: Alfie was scheduled to have a dental procedure, but an irregularly irregular arrhythmia was noted. See attached ecg/rad/echo report which concludes "There is a supraventricular arrhythmia with no structural cardiac changes. This raises suspicion for the presence of a systemic disease triggering the arrhythmia rather than being cardiac in origin, but the latter is not fully ruled out." This study was done to look for systemic disease. A mini chem panel on December 8 was normal. Blood samples for full CBC/Chem/Troponin were sent today.

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 was noted. Ureteral papillae were normal.

The residual prostate measured 0.7 cm.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 5.54 cm. The left kidney measured 4.95 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws VS

REFERRING VET

Duncan AH

INVOICE

94690

DATE

12/16/21

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 right adrenal gland measured 0.45 cm at the caudal pole and 0.54 cm at the cranial pole. The left adrenal gland measured 2.07 x 0.59 cm at the caudal pole and 0.4 cm at the cranial pole.

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. 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 was noted.

Liver

The **liver** was uniformly swollen. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.



PATIENT The gallbladder revealed a minor amount of coalesced debris, yet not to the level of mucocele formation. However, excessive debris is present. Minor biliary striation was noted.

Alfie Reid

SPECIES *Gastrointestinal*

Canine 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.

BREED

Cocker Spaniel

Pancreas

SEX

Neutered male

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.

AGE

9 years

ULTRASONOGRAPHIC FINDINGS

Benign hepatopathy.

WEIGHT

12.6 kg

Minor excessive gallbladder debris, yet not to the level of mucocele formation.

Otherwise, geriatric abdomen.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ursodiol therapy is recommended as a proactive effort to enhance biliary flow. There was no overt evidence of abdominal disease playing a role in the arrhythmogenic issues. An echocardiogram is recommended as well as Holter monitor for arrhythmia management.

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws VS

REFERRING VET

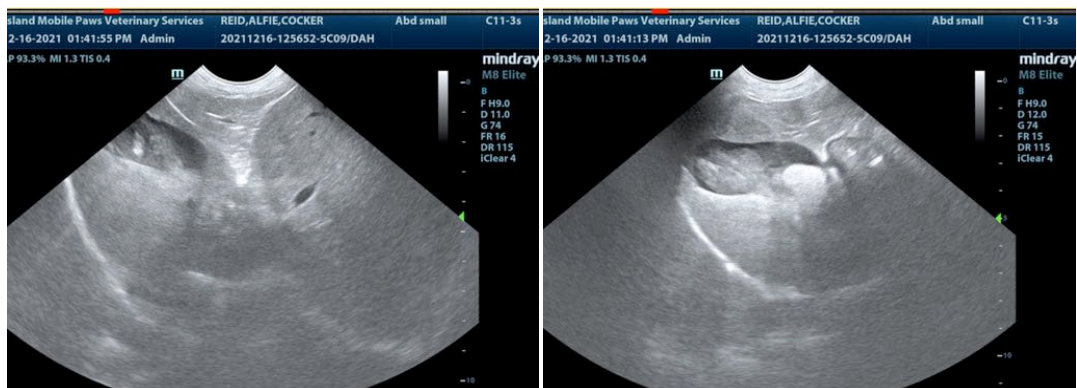
Duncan AH

INVOICE

94690

DATE

12/16/21





PATIENT

Alfie Reid

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Neutered male

AGE

9 years

WEIGHT

12.6 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws VS

REFERRING VET

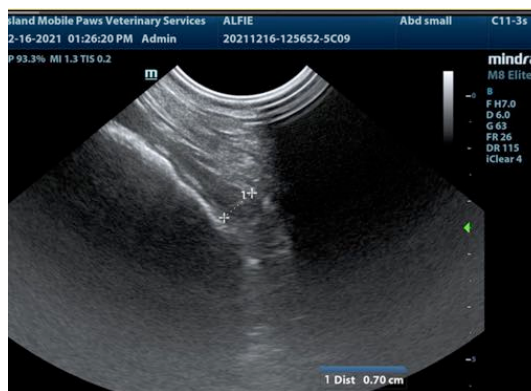
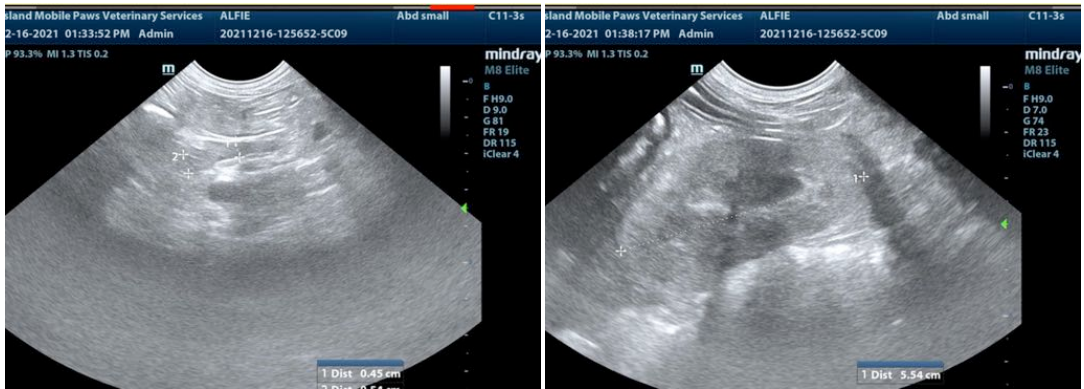
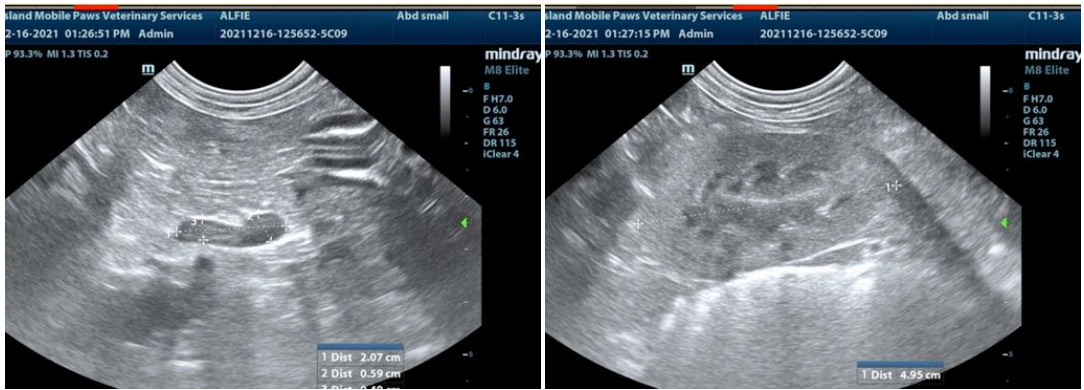
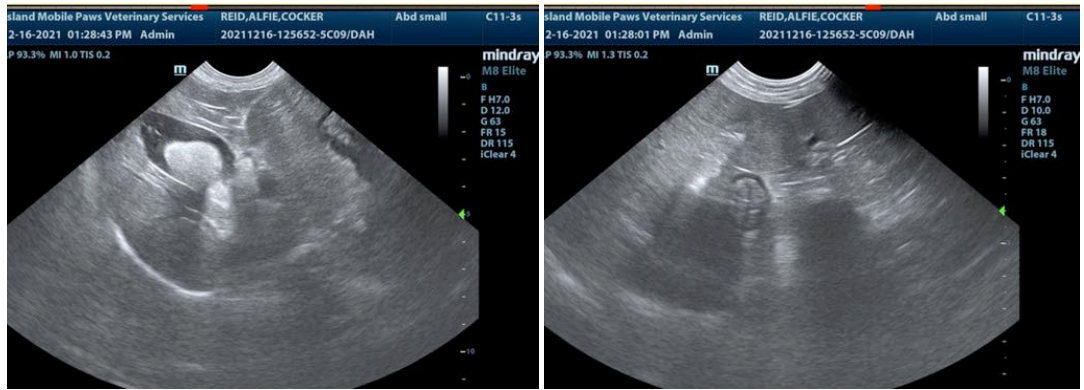
Duncan AH

INVOICE

94690

DATE

12/16/21





PATIENT

Alfie Reid

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Neutered male

AGE

9 years

WEIGHT

12.6 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Markland

HOSPITAL NAME

Island Mobile Paws VS

REFERRING VET

Duncan AH

INVOICE

94690

DATE

12/16/21

The information and recommendations provided are based on the images presented by the referring veterinarian. 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