

**DATE**

9/30/22

**PRESENTING CLINICAL SIGNS**

History: Patient had been vomiting since Friday, so owner took to an ER and had work up- xrays. Were concerned for foreign material in stomach, so recommended follow up with RDVM. On Monday, owner followed up with RDVM and xrays were repeated- no obvious FB/ obstruction seen on rads; RDVM concerned for kennel cough so started doxycycline, famotidine and steroid. She seemed better through the day yesterday but today, tried to drink, sounded like she snorted the water and started choking and coughing. Owner then tried to spoon feed her and patient scarfed it down, then choked and vomited/ coughed up her food and thick white mucus. She has been having trouble catching her breath, then would choke and cough some more. Still seemed playful until the episode tonight, then lethargic.

**PATIENT**

Marley Norris

**SPECIES**

Canine

**BREED**Cavalier King Charles  
Mix**SEX**

Intact Female

**AGE**

5/2/20

**WEIGHT**

11.5 Pounds

**INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSS**HOSPITAL NAME**Animal Emergency  
Hospital**REFERRING VET**

Dr. Goessling

**INVOICE**

17498

Current Medications: Sucralfate, Diphenhydramine, Protonix, Unasyn, Ondansetron, Cerenia, Cisapride  
Lab Results: See attached.

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Declined.

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

**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 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 4.04 cm. The left kidney measured 3.96 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 1.47 cm x 0.42 cm at the caudal pole and 0.33 cm at the cranial pole.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**Liver**

The **liver** was mildly subnormal in size yet normal vascularity. The gallbladder and common bile duct 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. 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.

### **Other**

Some minor **ring down** artifact noted through the diaphragm.

The left **thorax** revealed an area of consolidated lung, measuring 2.7 cm.

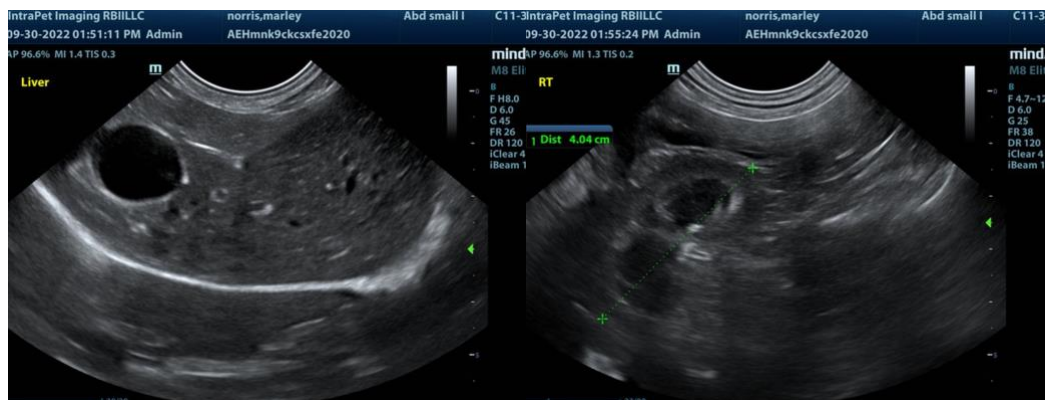
The **ovaries** were not visible. The uterine stump was visualized without evidence of pathology.

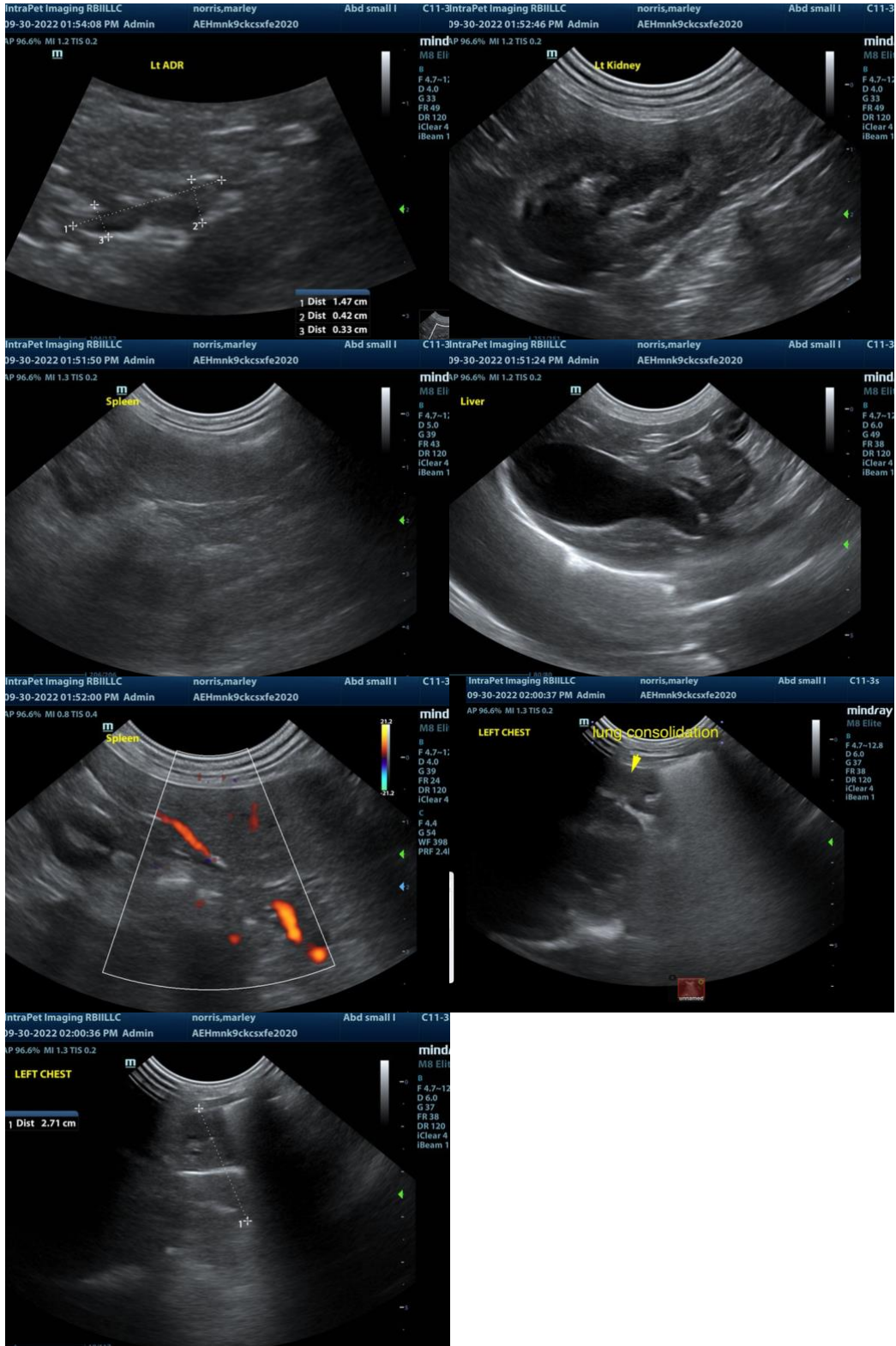
## **ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen
- Minor ring down artifact through the diaphragm
- Area of consolidated lung
- Mildly subnormal liver size with normal vascularity

## **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Regarding the consolidated lung, FNA is indicated.





**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.

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