



PATIENT PRESENTING CLINICAL SIGNS

Baby Lynch History: Hx of vomiting, painrul, abdominal distension; rads show increased mid abdominal opacity. R/O necrotizing pancreatitis vs neoplasia vs other. On cerenia, famotidine, IVF

SPECIES Abnormal PE/Chem/CBC/UA Results: CPL abnormal; decreased Na, K+; increased ALKP.

Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Havanese Urinary System

SEX

Sapyed female

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

AGE

7 years

Normal size and margination were present in the kidneys. Bilateral mild nonspecific uniform increased cortex echogenicity with normal 1:3 cortex / medulla ratio was present. No evidence of pyelectasia was observed. The left kidney measured 5.3 cm in length. The right kidney measured 5.0 cm in length.

The area of the aortic trifurcation was free of pathology.

WEIGHT

20 pounds

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 2.2 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.49 cm width at the caudal pole and 2.0 cm length.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

Spleen

The spleen exhibited mild enlargement with generalized parenchyma heterogeneity and areas of splenic folding. The capsule was primarily smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

IMAGING PERFORMED BY
Diane McFadden

Liver

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and minor gallbladder debris. The cystic and common bile ducts were normal.

HOSPITAL NAME

All Creatures G & S
Denville

REFERRING VET

Dr. Ashmore

Gastrointestinal

The stomach presented intact yet prominent wall layering with a normal wall layer ratio. The lumen of the stomach was empty with mild luminal gas with no signs of ileus, obstruction or foreign material.

INVOICE

10317ag

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The duodenum exhibited intact yet prominent wall layering with duodenal corrugation. The jejunum and ileum to the level of the colon were sonographically normal. No evidence of mechanical or metabolic GI obstructive pattern was observed.

DATE

04/08/2022

Normal visible colon wall layers were present with apparent formed feces in lumen.



PATIENT

Pancreas

Baby Lynch

Diffuse enlargement of the pancreas with ill-defined, hypoechoic to heterogeneous parenchyma and asymmetrical contour was present. The surrounding omental fat around the enlarged to hypoechoic pancreas was hyperechoic indicative of reactive change, adhesions, focal peritonitis, or saponification. Mild localized free fluid was present around the abnormal pancreas.

SPECIES

Canine

Free Abdomen

BREED

Havanese

Mild volume peritoneal free fluid was present. No overt lymphadenopathy was observed.

SEX

Spyed female

ULTRASONOGRAPHIC FINDINGS

- Sever acute to active pancreatitis with peripancreatic to generalized peritonitis.
- Vacuolar hepatopathy pattern.
- Mild gallbladder debris (Non-mucocele).
- Associated gastroduodenitis with mild duodenal corrugation.
- Mild splenomegaly with parenchyma heterogeneity and folding-benign.

AGE

7 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Aggressive medical therapy for sever active pancreatitis and peritonitis including hospitalization with IVF, analgesia, antibiotics, plasma expanders if clinically indicated and as needed GI support is recommended. Potential for pancreatic neoplasia which may present in a similar sonographic manner as pancreatic inflammation cannot be excluded yet is thought less likely. Ideally sonographic reassessment of the pancreas and generalized abdomen on 3-5 days pending clinical response is suggested. Guarded prognosis for this patient given the severity of pancreatic inflammation and concurrent pancreatitis.

WEIGHT

20 pounds

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PATIENT

Baby Lynch

SPECIES

Canine

BREED

Havanese

SEX

Spayed female

AGE

7 years

WEIGHT

20 pounds

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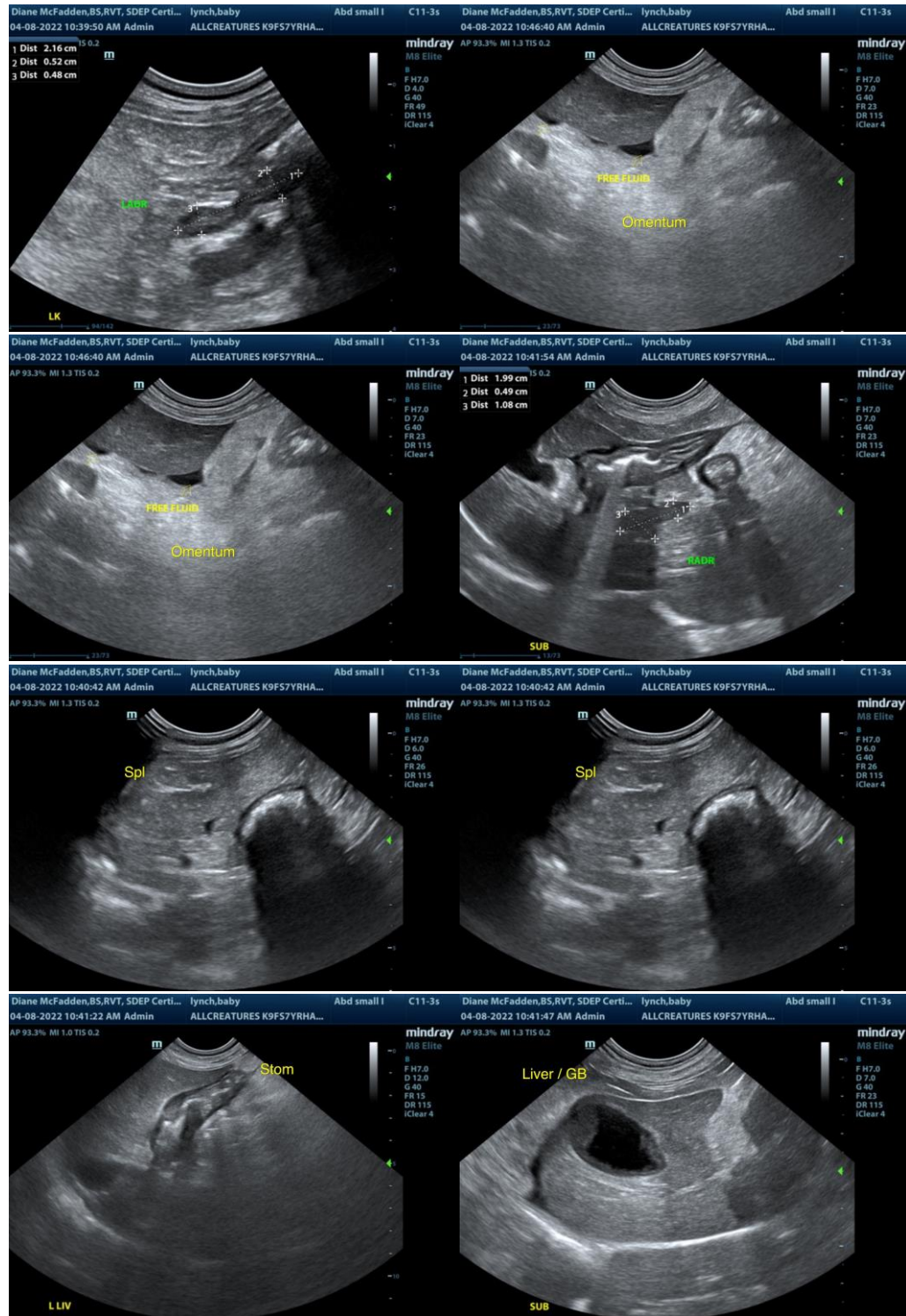
Dr. Ashmore

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PATIENT

Baby Lynch

SPECIES

Canine

BREED

Havanese

SEX

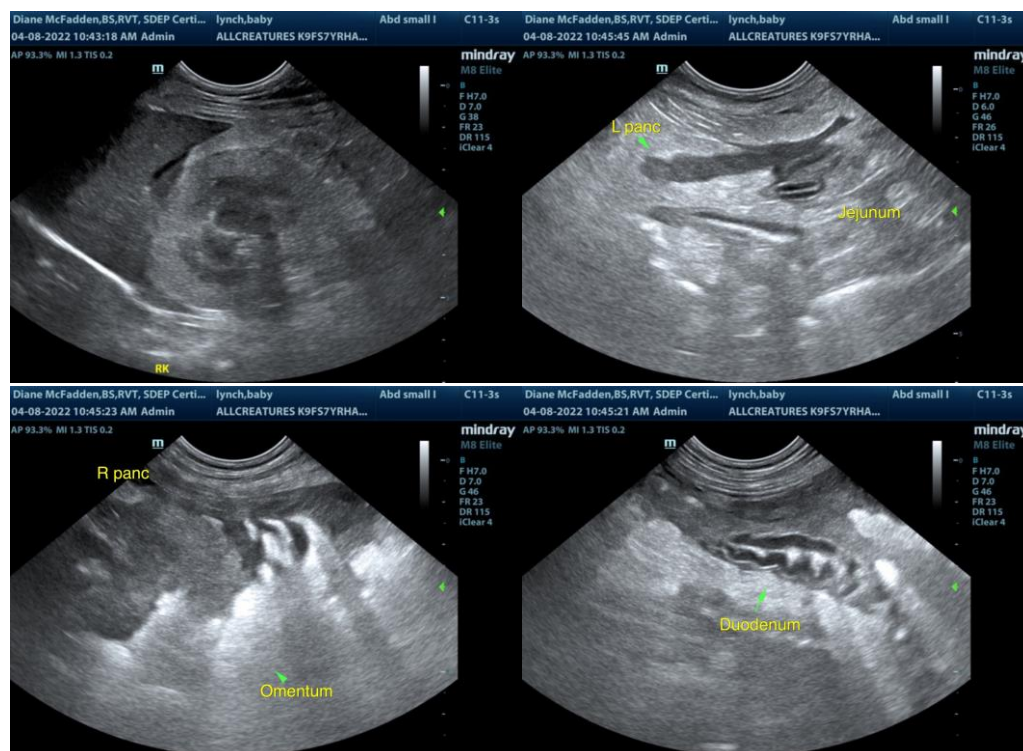
Spayed female

AGE

7 years

WEIGHT

20 pounds



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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.

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