



**PATIENT PRESENTING CLINICAL SIGNS**

**Shaq Dhaliwahl** History: Presented with bloody diarrhea lethargic and painful cranial Ab. On methadone for scan so no painful response seen on probe pressure. Suspect hemorrhagic enteritis / pancreatitis

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Stress leukogram chemistry normal

**Canine ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

**Havanese** 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.

**SEX**

**MN** Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.2 cm in length. The right kidney measured 4.2 cm in length.

**AGE**

2

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

6.63 kg

The area of the residual prostate was free of pathology.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.29 cm width at the caudal pole and 0.32 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.33 cm width at the caudal pole and 0.42 cm width at the cranial pole.

**INTERPRETED BY**

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

**Spleen**

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

**IMAGING PERFORMED BY**

Dr. Belan

**HOSPITAL NAME**

McKnight Animal  
Hospital

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Alonso

**Gastrointestinal**

**INVOICE**

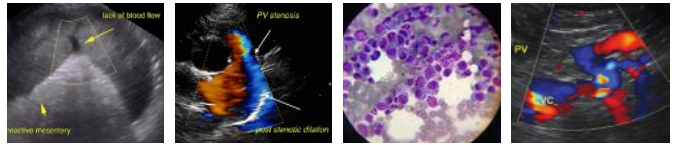
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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. The ventral gastric body wall measured 0.32 cm in width.

**DATE**

06/14/2022

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. The jejunum wall measured 0.26 cm in width. The duodenum wall measured 0.26 cm in width.



**PATIENT** Normal visible colon wall layers were present with subjective semi formed feces in lumen.

Shaq Dhaliwahl **Pancreas**

**SPECIES** The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Canine

**Free Abdomen**

**BREED** Intermittent prominent to enlarged colic lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a reactive node measured 0.32 cm in width.

Havanese

No peritoneal free fluid was observed.

**SEX**

**ULTRASONOGRAPHIC FINDINGS**

MN

- Mild gastroenterocolitis pattern
- Intermittent mild benign/reactive colic lymphadenopathy

**AGE**

2

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT** No overt evidence of significant abdominal visceral specifically GI or pancreatic pathology. Dietary indiscretion/food allergy, occult parasitism or acute hemorrhagic diarrhea syndrome suspected. IBD may be considered if persistent or progressive GI signs are noted. Potential for low grade pancreatitis which may present sonographically normal cannot be definitively excluded yet no evidence of significant or active pancreatitis was observed. Empirical supportive care and therapy for acute hemorrhagic diarrhea syndrome and assessment of clinical response would be reasonable.

6.63 kg

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**PATIENT**

Shaq Dhaliwahl

**SPECIES**

Canine

**BREED**

Havanese

**SEX**

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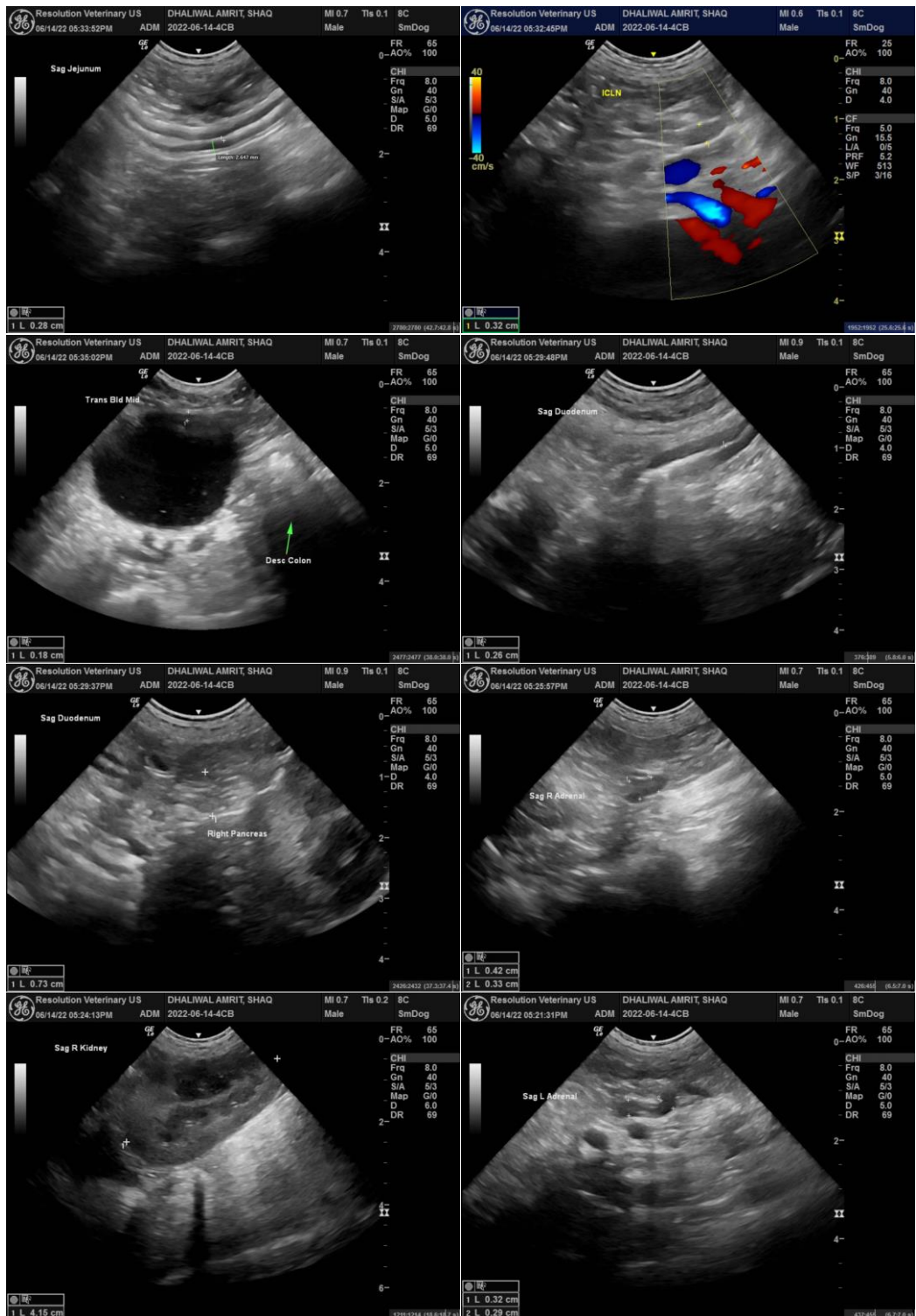
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## PATIENT

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## SPECIES

Canine

## BREED

Havanese

## SEX

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## AGE

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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com