



PATIENT

Nala Avary

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed female

AGE

11 years

WEIGHT

70 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

Shallowford AH

REFERRING VET

Dr. Eads

INVOICE

78263

DATE

6/2/26

PRESENTING CLINICAL SIGNS

History: P presented for US due to chronic perianal fistulas, was doing well with atopica but now out of remission, rDVM restarted prednisone mass effect r side anus- unsure if assoc with anal gland. considering surgery for anl gland removal and perianal fistulas, Owner requested US of heart and abd before proceeding with surgery

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 6.21 cm. The right kidney measured 6.45 cm.

Adrenal Glands

The **adrenal glands** appear subjectively flattened. This is likely due to Prednisone therapy. The right adrenal gland measured 2.3 x 0.26 cm at the caudal pole and 0.46 cm at the cranial pole. The left adrenal gland measured 3.23 x 0.37 cm at the caudal pole and 0.45 cm at the cranial pole.

Spleen

The **spleen** revealed a multi-focal, hyperechoic lipid plaques noted measuring up to 1.0 cm. The spleen was folded upon itself with mild uniform enlargement. This is typical for the breed. Subtle, micronodular changes were also noted.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder was over distended with suspended and coalesced bile, yet not to the level of mucocele formation. However, proactive Ursodiol therapy may be appropriate.



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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.

Anal Glands

The colorectal region revealed thickening of the colorectal wall. The region of the anal glands was largely occupied by granulomatous tissue and disorganization. No neoplastic tissue was noted. However, chronic granulomatous disease consistent with perianal anal fistulas are present. The tissue in the anal gland region was significantly disorganized. The margins were ill-defined. Therefore, clean resection of the affected tissue would likely be challenging.

ULTRASONOGRAPHIC FINDINGS

- Over distended gallbladder. Excessive, coalesced bile.
- Typical splenic enlargement for this breed.
- Subtle, micronodular changes were noted in the spleen as well.
- Flattened adrenal glands, likely due to the Prednisone therapy.
- Granulomatous replacement of the region of the anal glands with colorectal hypertrophy.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ursodiol treatment is recommended proactively. If cortisone therapy is being utilized then the flattened adrenal glands would be normal. If any clinical signs are consistent with Addison's, then baseline cortisol or ACTH stimulation is indicated.

Ultrasound-guided FNA of the hypoechoic tissue in the colorectal region could be considered for further definition. The margins were ill-defined, which would make clean resection difficult.



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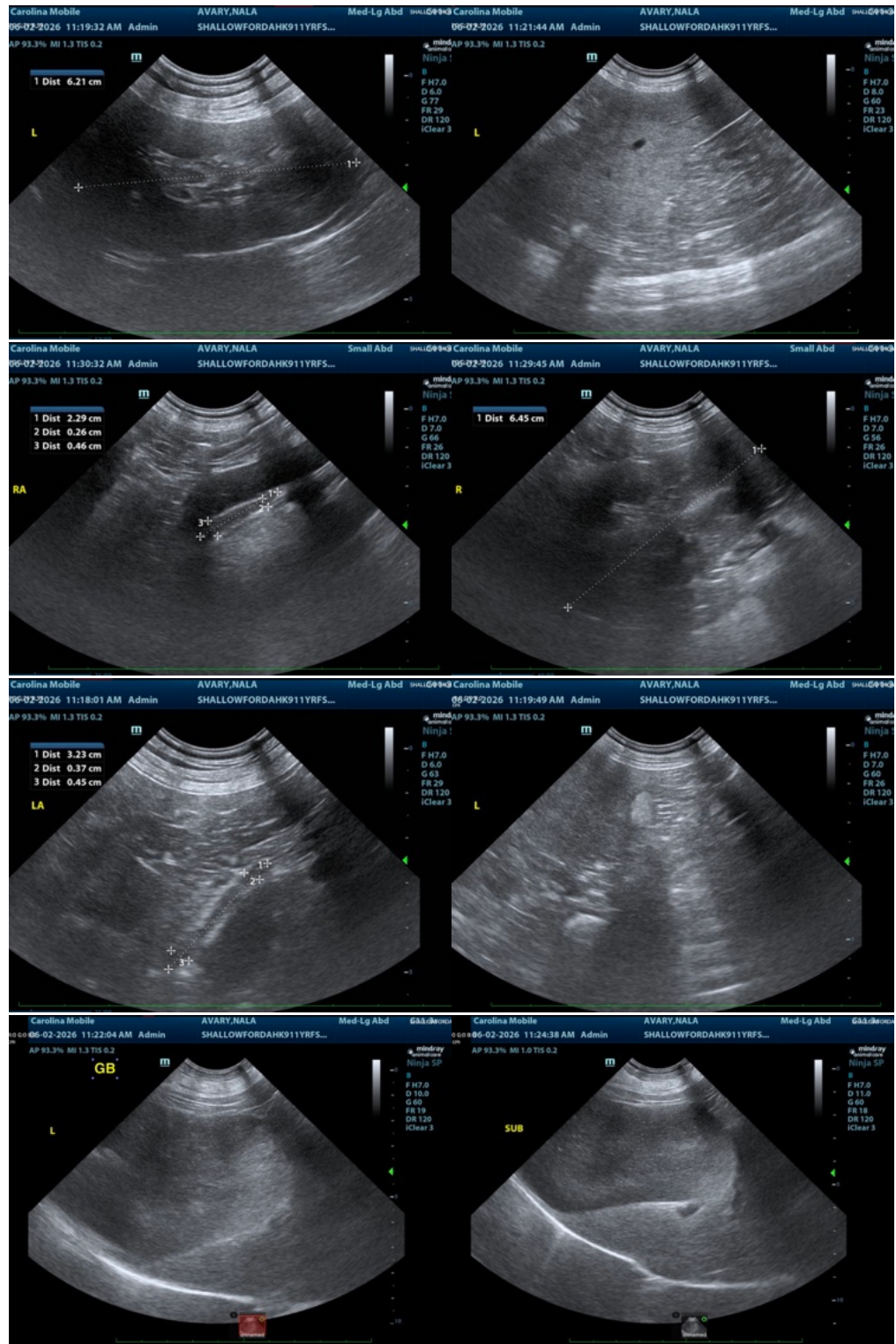
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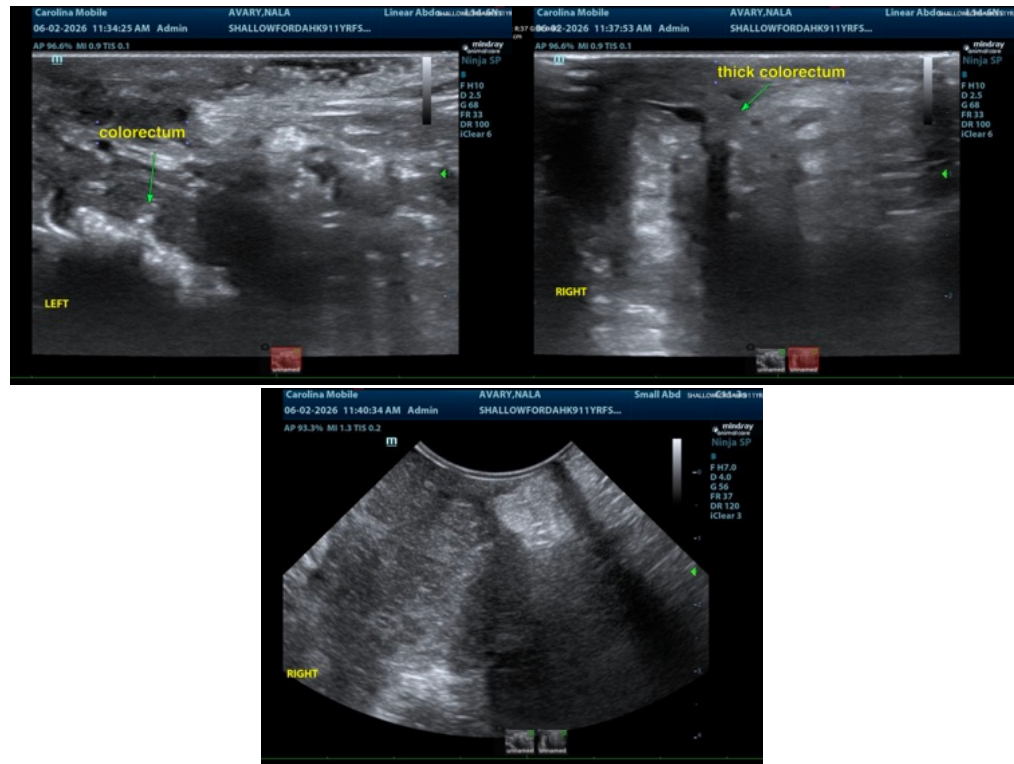
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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