



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Winnie McAllister
SPECIES Canine
BREED Border Collie
SEX Spayed Female
AGE 3 Years
WEIGHT 20 kg

Has had poor appetite and persistent vomition last few weeks. Overall malaise. Had a splenectomy July 6 as spleen was mottled. Biopsy of pancreas stomach and SI taken. Patient not doing well post surgery.

Abnormal PE/Chem/CBC/UA Results: Elevated Total Bilirubin and ALKP

BREED 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 left kidney measures 5.37 cm. The right kidney measured 4.43 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 right adrenal gland measured 0.58 cm.

Spleen

Previous **splenectomy** performed.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Slight hyperechoic lipid plaques noted. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Gastrointestinal

Upper **gastrointestinal** stasis noted in the stomach and duodenum, with empty distal small intestine, which is a delayed outflow or obstructive pattern. The descending colon revealed dilated lumen and soft stool, which suggests some level of transit. However, partial obstruction cannot be completely ruled out.

Pancreas

The **pancreas** revealed minor heterogeneous changes in the right limb.

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Fish Creek AC

REFERRING VET

Dr. Johnson

INVOICE

43802

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PATIENT

Free Abdomen

Winnie McAllister

The mid abdomen revealed a hyperechoic lipogranulomatous type mesenteric change measuring approximately 2.0 cm. It does not appear overtly pathological.

SPECIES

Canine

A reactive sublumber lymph node was noted, measuring 0.48 cm.

BREED

Border Collie

ULTRASONOGRAPHIC FINDINGS

- Mild pancreatic remodeling
- Full stomach, post-prandial presentation
- Hyperechoic lipogranulomatous mesenteric change
- Reactive sublumber lymph node

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommend medical management in this patient, 24-hour NPO, and recheck sonogram at complete NPO status. GI protectants and plasma expanders indicated. If the bilirubin elevation is persistent and not artifactual, FNA would be indicated. However, structurally the liver appears unremarkable. The hyperechoic mesenteric change is likely a post-surgical sequela.

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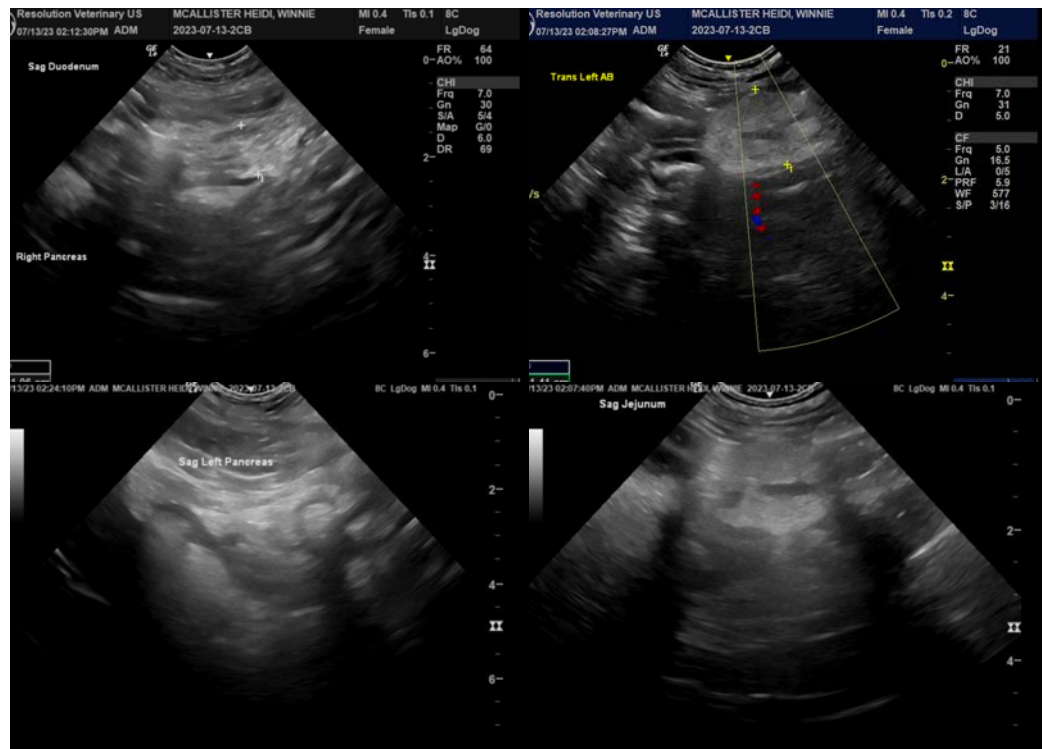
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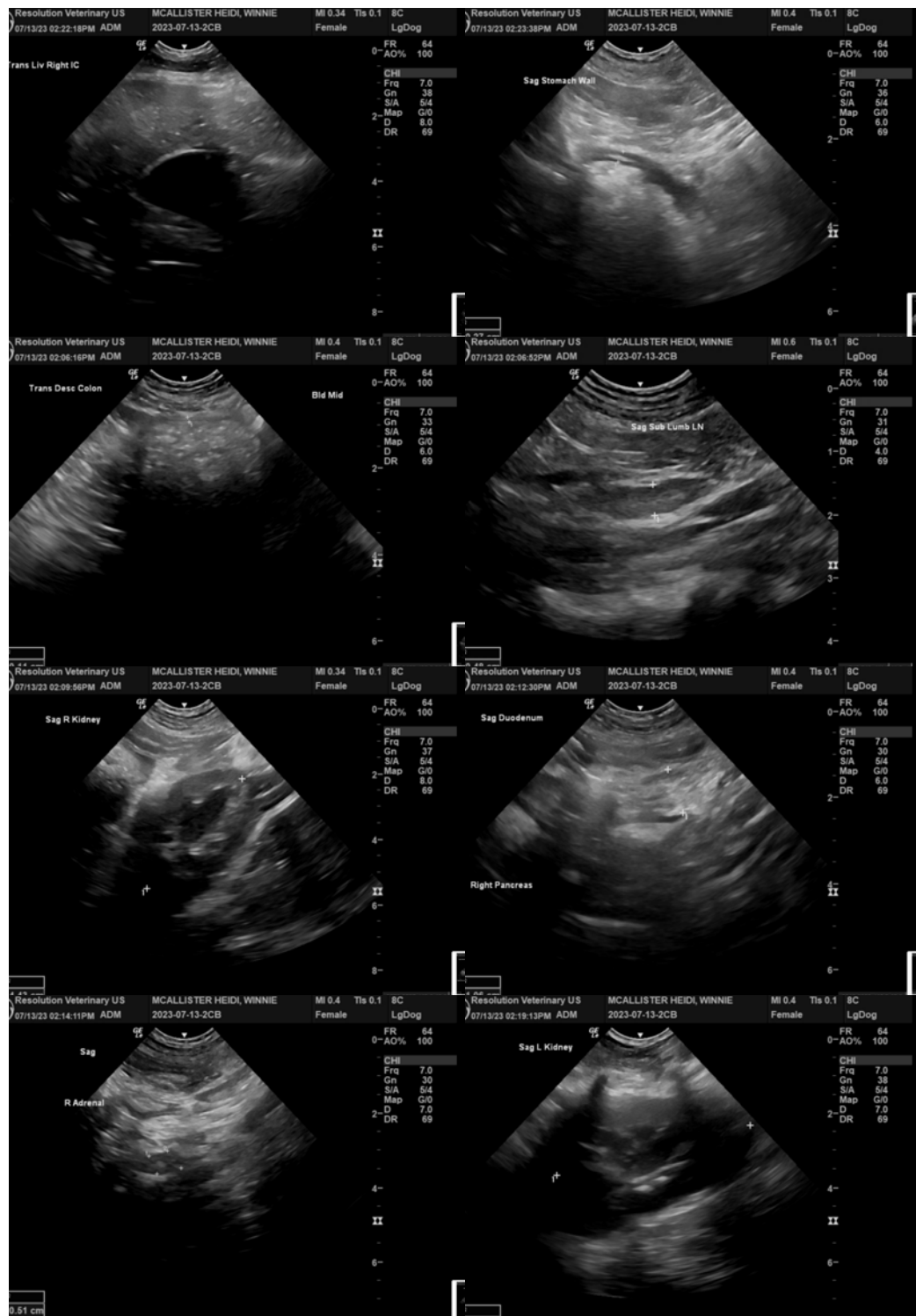
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PATIENT

Winnie McAllister

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.

SPECIES

Canine

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.

BREED

Border Collie

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

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