

PATIENT

Marley Rockwell

SPECIES

Canine

BREED

Maltese

SEX

Neutered Male

AGE

9.5 Years

WEIGHT

9.6

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Diane McFadden

HOSPITAL NAME

Advanced Veterinary
Care

REFERRING VET

Dr. Weingartner

INVOICE

21195

DATE

2/20/23

PRESENTING CLINICAL SIGNS

History: weight loss, elevated BUN, SDMA, ALT, ALKP, tбили. On clindamycin

Abnormal PE/Chem/CBC/UA Results: SDMA 16, BUN 39, ALT 336, ALKP 448, tбили 0.4, non conjugated bili 0.3

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** was mildly thickened, yet minimal urine was present at the time of the sonogram. No evidence of pathology.

The **prostate** was uniform, mildly enlarged, measuring 2.1 cm.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 3.95 cm. The right kidney measured 4.5 cm.

Adrenal Glands

The **left adrenal gland** was 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 1.95 cm x 0.52 cm at the caudal pole and 0.66 cm at the cranial pole.

Normal right adrenal gland was not visualized. *See Free Abdomen section.

Spleen

The **spleen** was slightly irregular yet with uniform parenchyma.

Liver

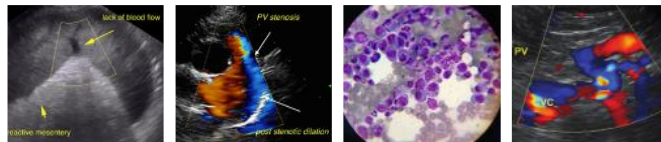
The **liver** revealed coarse architecture and coalescing subtle micronodular changes. Free fluid was noted between the liver lobes. The gallbladder and common bile duct were unremarkable.

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. The gastrointestinal tract was deviated.

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



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curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted. *See Free Abdomen section.

Free Abdomen

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An undifferentiated mixed hypoechoic mass (8+ cm) was noted in the cranial abdomen with areas of cavitation, extending into the regional omentum. The mass appears to be occupying the area of the right adrenal gland and pancreas, encompassing the right kidney. This may prove resectable yet CT evaluation would be necessary for further definition.

BREED

Maltese

Free fluid was noted throughout the abdomen.

SEX

Neutered Male

- Undifferentiated cranial abdominal mass, possibly of pancreatic, hepatic or right adrenal origin
- Nodular hepatic changes, strongly suggestive for metastatic disease
- Slightly irregular spleen
- Mildly thickened urinary bladder
- Mildly enlarged prostate
- GI tract deviated
- Age-related renal changes

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver and mass are recommended with CT evaluation or direct exploratory surgery. However, given the clinical presentation, prognosis is poor.

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Eric Lindquist, DMV
DABVP, Cert. IVUSS

ABOUT SONOPATH CT SERVICES:

SonoPath CT Services are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/resources/sonopaths-teleconsultation-services-and-sdep-certification/sonopath-ct-services>

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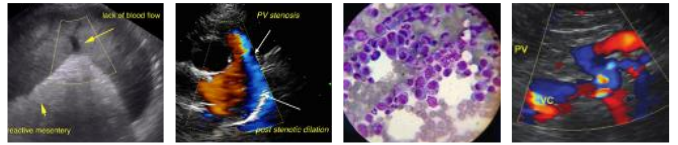
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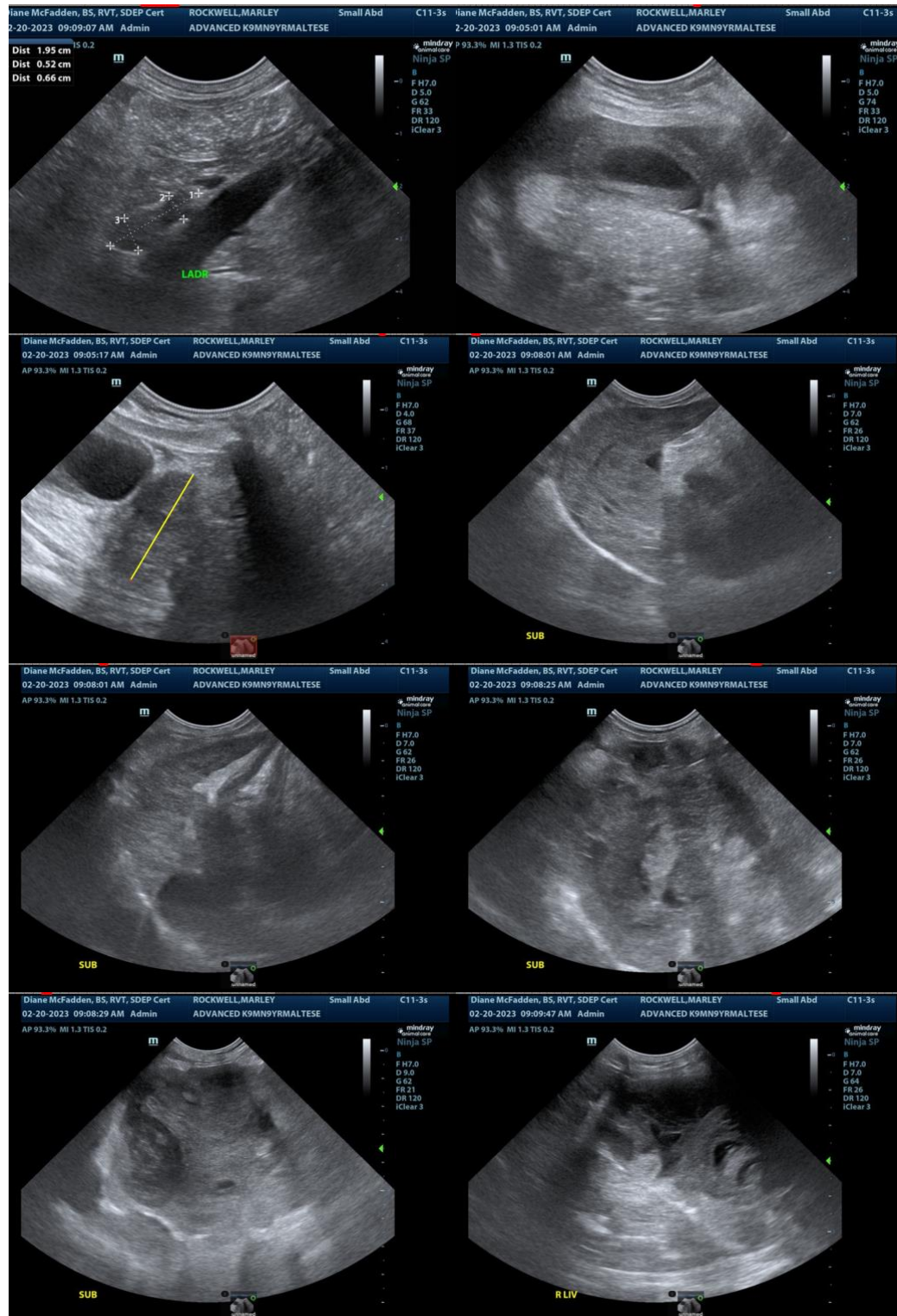
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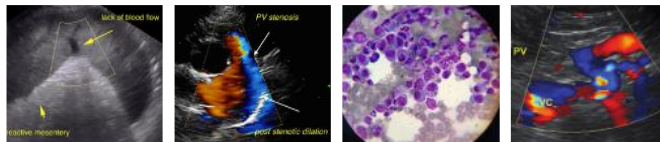
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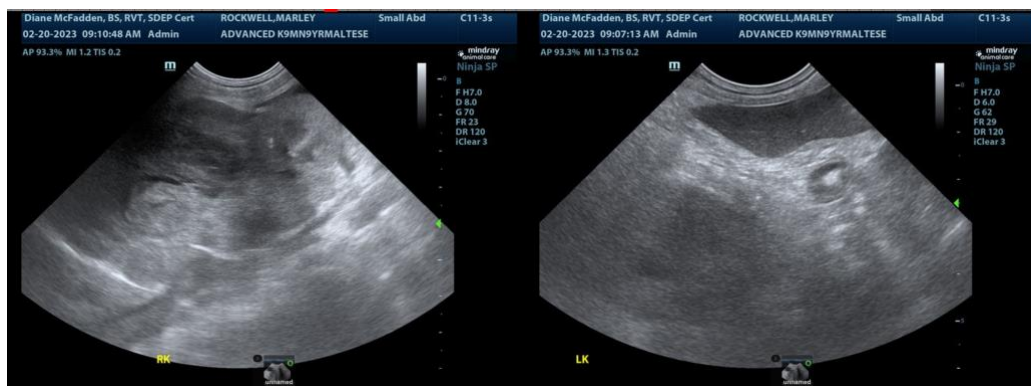
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
info@SonoPath.com

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