



## PATIENT

Rascal Napolitano

## SPECIES

Canine

## BREED

Maltese

## SEX

Neutered Male

## AGE

12.5 Years

## WEIGHT

13.6 pounds

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

## IMAGING PERFORMED BY

Dr. Susan Biolsi

## HOSPITAL NAME

Middlehope Veterinary  
Hospital

## REFERRING VET

Dr. Alicia Rich

## INVOICE

12609

## DATE

12/05/25

## PRESENTING CLINICAL SIGNS

Presented for wellness blood work which revealed a mild anemia with significantly elevated reticulocytes. Rascal was asymptomatic at that time. Rechecked the CBC which showed improved hematocrit and decreased, but still increased reticulocytes. Discussed with owner the concern for an internal bleed leading to these changes. Recommended abdominal ultrasound to evaluate for possible splenic mass vs other.

Abnormal PE/Chem/CBC/UA Results: 11/18/25 CBC- RBC 4.57 (5.84-8.95) HCT 37.6 (41.0-60.0) Hemoglobin 11.7 (14.6-21.7) MCV 82 (62-76) MCHC 31.1 (32.3-38.0) Reticulocytes 457 (21-140) Monocytes 1.04 (0.145-0.736) Platelets 461 (120-412) 11/26/25 HCT 47.6 (41.0-60.0) was 37.6 Reticulocytes 160 (21-140) was 457 Monocytes 0.797 (0.145-0.736) Platelets 571 (120-412) was 461

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The **bladder** in this patient was minor thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal. Ventral wall thickening measured 0.14 cm.

The residual **prostate** measured 0.65 cm.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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. Slight cortical cysts and mineralization were noted. The left kidney measured 4.78 cm in length. The right kidney measured 4.44 cm in length. The largest cyst in the right kidney measured 0.95 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 left adrenal gland measured 0.63 cm width. The right adrenal gland measured 0.56 cm width at the cranial pole and 0.59 cm width at the caudal pole.

### *Spleen*

The **spleen** revealed a focal hypoechoic nodule measuring 0.20 cm. Subtle micronodular changes were noted throughout the spleen.

### *Liver*

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some moderate age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no



## PATIENT

Rascal Napolitano

## SPECIES

Canine

## BREED

Maltese

## SEX

Neutered Male

## AGE

12.5 Years

## WEIGHT

13.6 pounds

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

## IMAGING PERFORMED BY

Dr. Susan Biolsi

## HOSPITAL NAME

Middlehope Veterinary  
Hospital

## REFERRING VET

Dr. Alicia Rich

## INVOICE

12609

## DATE

12/05/25

evidence of congestion was noted. Multifocal mildly disruptive hypoechoic nodular changes were noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes 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.

### *Pancreas*

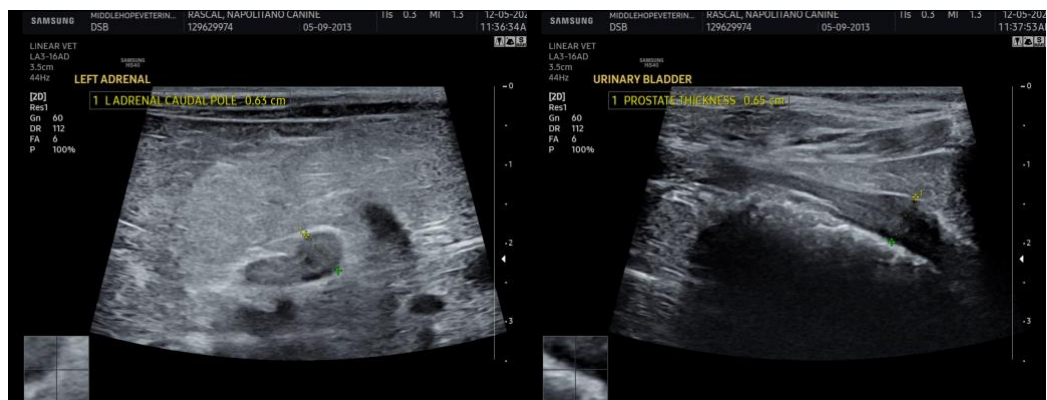
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some minor parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

## ULTRASONOGRAPHIC FINDINGS

- Splenic/hepatic nodules.
- Geriatric abdomen.
- Moderate degenerative renal changes with secondary cortical cysts.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Screening FNA of the splenic/hepatic nodular changes would be ideal. I suspect they are benign, however, this should be confirmed by the FNA. No overt cause of anemia in this patient.





**PATIENT**

Rascal Napolitano

**SPECIES**

Canine

**BREED**

Maltese

**SEX**

Neutered Male

**AGE**

12.5 Years

**WEIGHT**

13.6 pounds

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IUUSS

**IMAGING PERFORMED BY**

Dr. Susan Biolsi

**HOSPITAL NAME**

Middlehope Veterinary  
Hospital

**REFERRING VET**

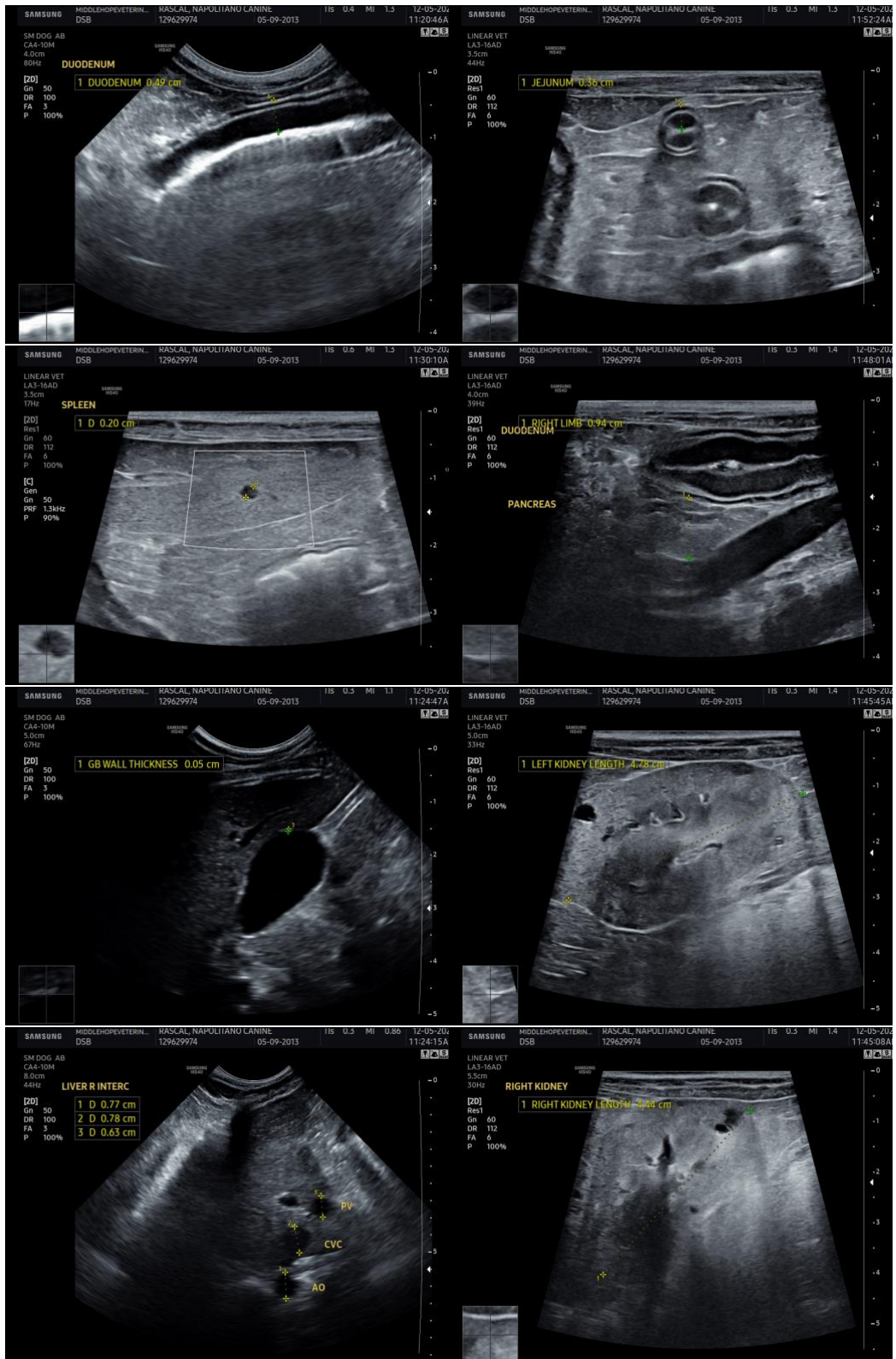
Dr. Alicia Rich

**INVOICE**

12609

**DATE**

12/05/25





## PATIENT

Rascal Napolitano

## SPECIES

Canine

## BREED

Maltese

## SEX

Neutered Male

## AGE

12.5 Years

## WEIGHT

13.6 pounds

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

## IMAGING PERFORMED BY

Dr. Susan Biolsi

## HOSPITAL NAME

Middlehope Veterinary  
Hospital

## REFERRING VET

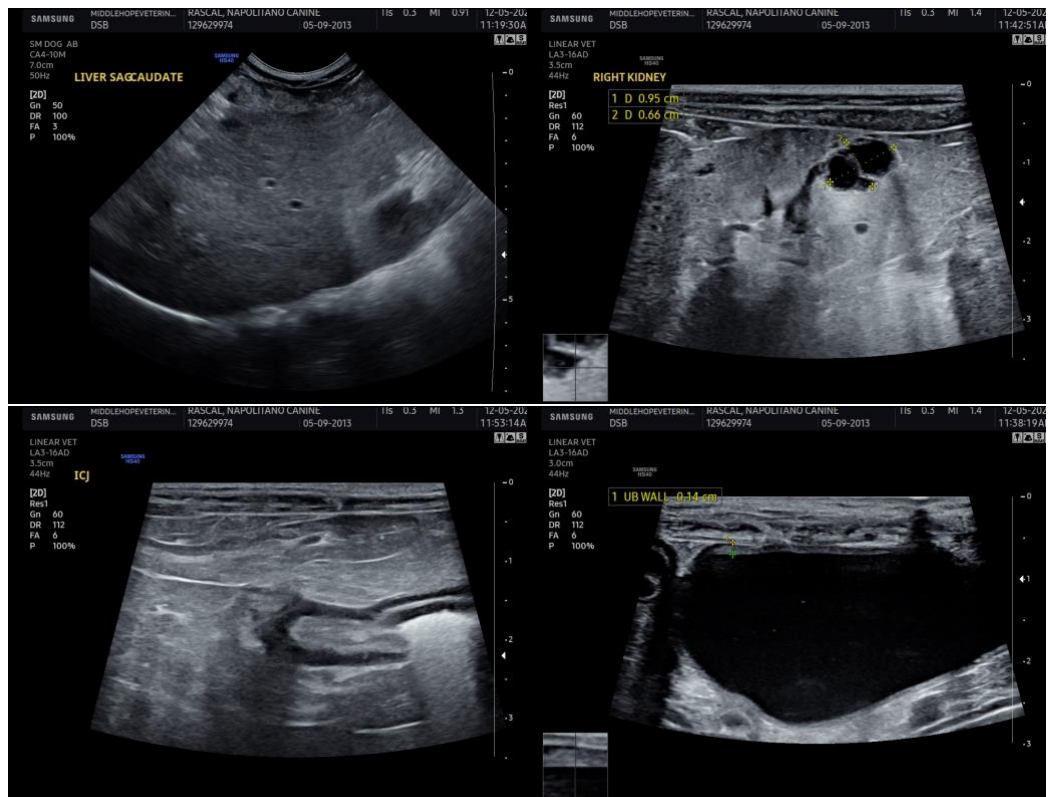
Dr. Alicia Rich

## INVOICE

12609

## DATE

12/05/25



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(CFM), Cert. IVUSS,**

CEO, Owner, Founder -- SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)