SonoPath
Clinical Sonography & Telecytology
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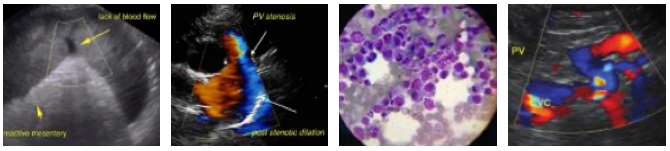

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Henry Marten

SPECIES

Canine

BREED

Goldendoodle

SEX

Male, neutered

AGE

6 Yrs.

WEIGHT

78 lbs.

INTERPRETED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Kelly Vazquez , CVT

HOSPITAL NAME

Ringwood AH

REFERRING VET

Dr. DeSpirito

INVOICE

12813

DATE

PRESENTING CLINICAL SIGNS

History: Patient presents for low platelets, elevated liver enzymes, - R/O ITP vs. neoplasia. Patient is icteric today. Current meds: starting on steroids.
Abnormal PE/Chem/CBC/UA Results: ALT 149, AST 66, AP 60, T. Bili 6.5, HCT 33.5, retic 359, HGB 19.7, plts est 50k, lage plts, nRBCs, . U/A: 3+ bili, 2-5 WBC, 2-5 RBC, USG 1.048.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

The prostate is not definitively visualized due to its pelvic location.

The left kidney is normal size (6.83 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney is normal size (5.93 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.43 cm at cranial pole) (0.50 cm at caudal pole) (2.23 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.53 cm at cranial pole) (0.50 cm at caudal pole) (1.79 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

A >3 cm heterogeneous vascular cavitated mass is arising from the parenchyma. The mass causes mild capsular expansion. In addition, a 0.93 x 0.75 cm hypoechoic nodule is visualized. In addition, a >3 cm irregular vascular mass appears to be arising from the caudal pole. The remaining parenchyma is mottled in appearance. Splenic vasculature is normal with no evidence of thrombosis.

Liver

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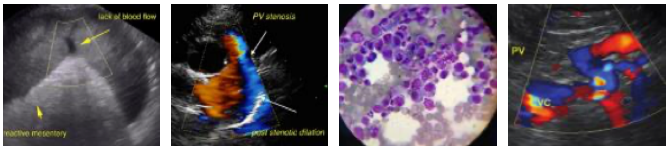

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The liver is subjectively normal in size. A 5.8 cm heterogeneous cavitated mass is arising from the left side. The mass causes mild capsular expansion. The remaining parenchyma is homogeneous. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

The gastric lumen is mildly distended with ingesta. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

A large amount of free fluid is present. The mesentery throughout the abdomen is hyperechoic. The abdominal lymph nodes are normal/not visible.

Other

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

ULTRASONOGRAPHIC FINDINGS

- Splenic masses and hepatic mass. Neoplasia. (i.e., sarcoma, round cell tumor) is suspected with a low possibility of benign pathology.
- Confirmed hemoabdomen (per the history).

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- Given the likelihood of metastatic disease in the abdomen, surgery is not likely to prolong the patient's survival time. Therefore, palliative care (i.e., Yunnan Baiyao, blood transfusions, symptomatic treatment) is recommended.

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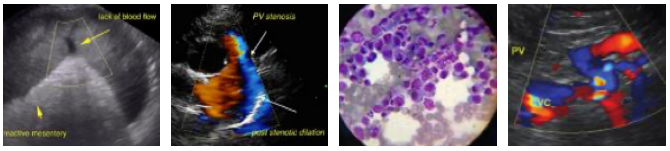

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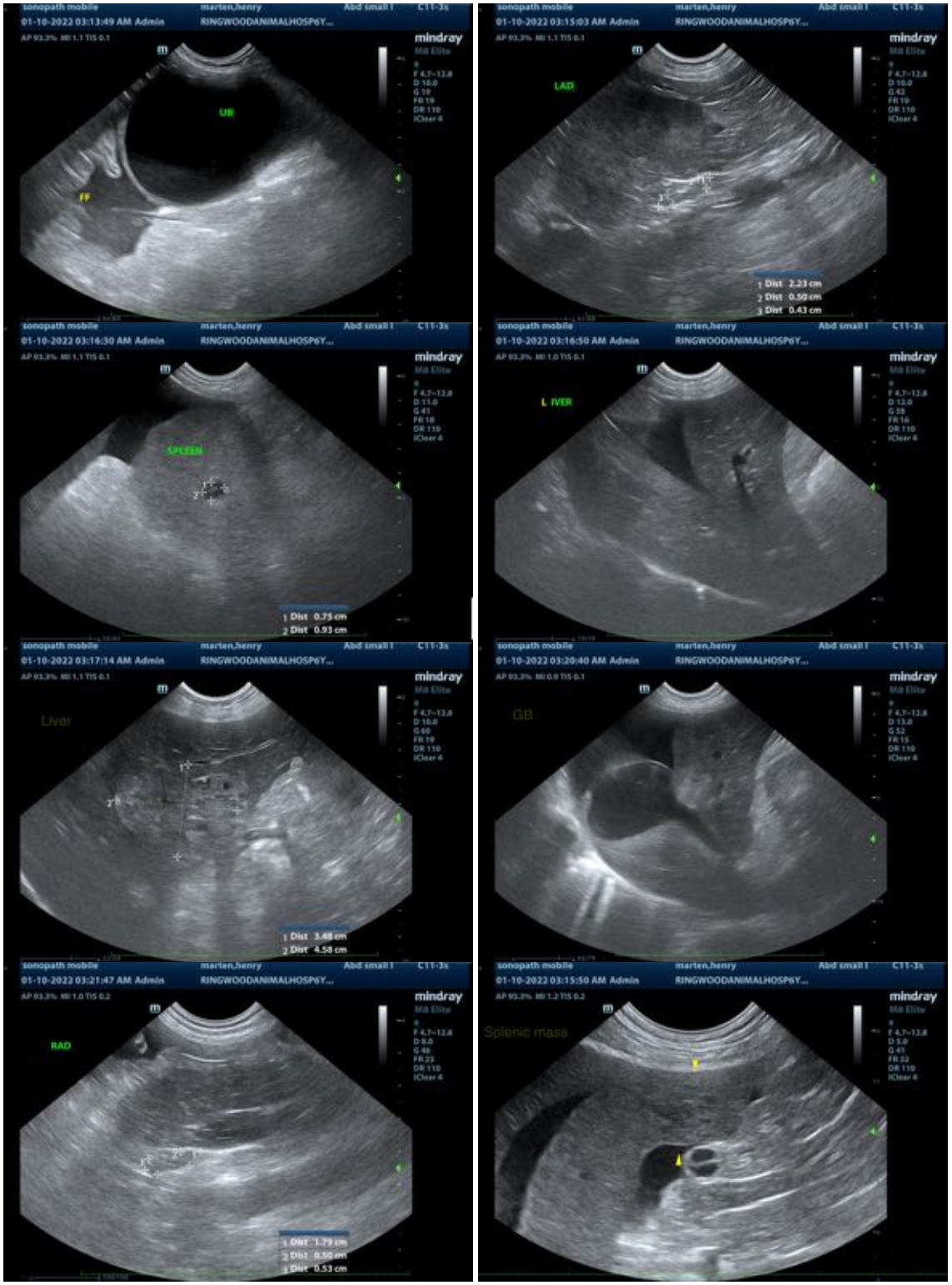

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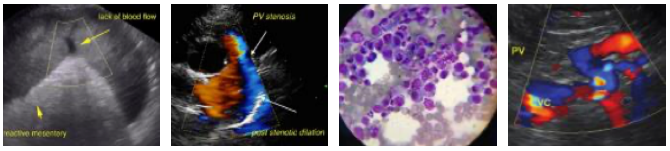

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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

Andrea.nicastro@sonopath.com