



PATIENT

Tika Herschenhaus

PRESENTING CLINICAL SIGNS

Presented due to acute onset panting and lethargy earlier this morning

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Pale mucus membranes, free fluid in the abdominal cavity, FNA confirmed hemoabdomen. CBC - WNL, chemistry showed Cr=1.5 (0.3-1.4) mg/dL, BUN WNL, P=1.8 (2.9-6.6) mg/dL

BREED

Pit Bull Terrier

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

The **bladder** in this patient was mildly 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.

AGE

13 Years 5 Months

The region of the trigone and visible pelvic urethra were normal.

WEIGHT

64 Pounds

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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The kidneys measured 6.0 cm each.

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

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 0.50 cm.

IMAGING PERFORMED BY

Dr. Sarah Green

The **right adrenal gland** was not visualized.

Spleen

HOSPITAL NAME

Healing Spirit

A moderately complex, mixed hypoechoic, undifferentiated mass was noted, deriving from the **spleen**. Hematomas noted associated with the mass and extending into the omentum. This may represent omental seeding.

REFERRING VET

Dr. Sarah Green

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was 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. No obvious evidence of metastatic disease. However, given the pathology, micrometastasis cannot be ruled out.

INVOICE

46127

DATE

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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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

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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.

BREED

Pit Bull Terrier

Free Abdomen

Echogenic free fluid noted throughout the abdomen, suggestive for hemorrhage.

SEX

Spayed Female

Rapid view of the heart revealed no evidence of pathology in the right auricle or pericardium. However, the left heart appeared volume contracted and shocky.

AGE

13 Years 5 Months

ULTRASONOGRAPHIC FINDINGS

- Ruptured splenic mass
- Age related bladder and kidney changes
- Age related hepatic changes
- Volume contracted, shocky left heart

WEIGHT

64 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IV fluid support, plasma expansion, exploratory surgery warranted if chest radiographs reveal no evidence of metastasis. However, I'm concerned for omental seeding in this patient, and clean resection is unlikely.

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Sarah Green

HOSPITAL NAME

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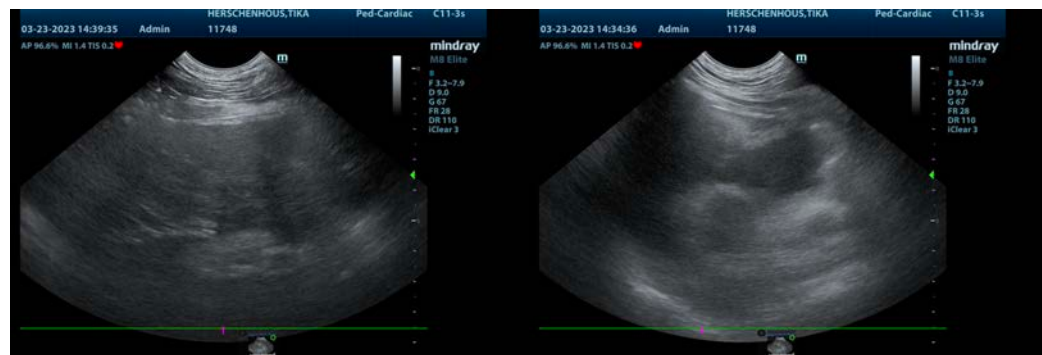
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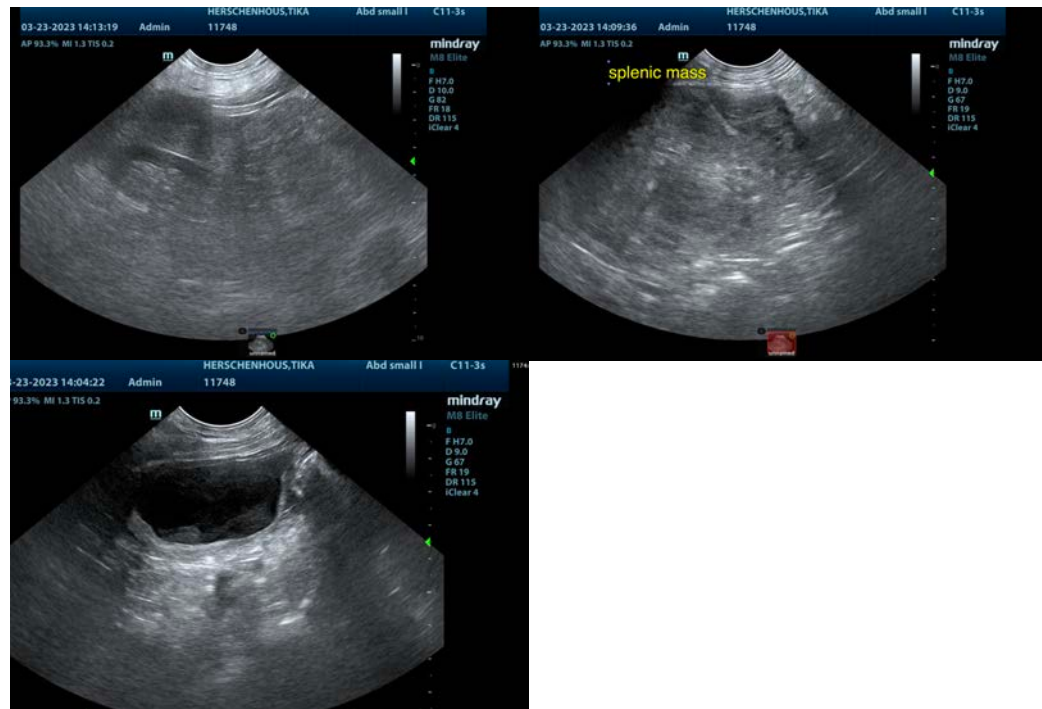
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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