



PATIENT PRESENTING CLINICAL SIGNS

Angel White History: Elevated HC, ALP, ALT, low ALB, dilute urine, concern for Cushing's.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Mild anemia. Hematocrit is 35%. ALP is 2034. ALT is 329. Albumin is slightly low. BUN is slightly low. Specific gravity is 1.008 with a quiet sediment. Normal free T4.

BREED

Boxer Mix

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 distended. A small amount of suspended echogenic debris is observed within the lumen. 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.

SEX

Female Spayed

The left kidney is normal size (7.48 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 hydronephrosis. Renal vasculature is normal.

AGE

10 Years

The right kidney is normal size (6.68 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 hydronephrosis. Renal vasculature is normal.

WEIGHT

31 kgs.

Adrenal Glands

The left adrenal gland is normal size (0.57 cm at cranial pole) (0.57 cm at caudal pole) (2.86 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 (1.20 cm at cranial pole) (0.63 cm at caudal pole) (2.08 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.

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Reshny, RVT

Spleen

The spleen is subjectively prominent in size (4.35 cm in width at the level of the hilus) with slightly swollen peripheral contours. The parenchyma is mottled in appearance. A 3.81 x 3.65 cm hypoechoic to heterogeneous, cavitated mass is observed at the caudal pole. The mass causes capsular expansion. The mesentery effacing the serosal surface in this region is hyperechoic. At least two smaller, ill-defined, hypoechoic nodules are observed at the caudolateral aspect.

HOSPITAL NAME

Yates VH

REFERRING VET

Dr. Kait

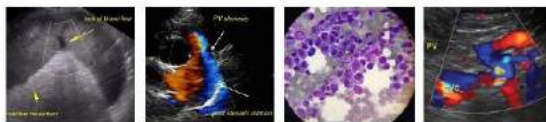
Liver

The liver is subjectively normal in size with slightly irregular peripheral contours. The parenchyma is isoechoic relative to the spleen and mottled in appearance. No distinct focal lesions are observed. Hepatic vasculature and intrahepatic 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 mostly anechoic. The cystic and common bile ducts are normal/not seen.

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DATE

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PATIENT
Gastrointestinal

Angel White

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. 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.

SPECIES

Canine

Pancreas
BREED

Boxer Mix

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
SEX

Female Spayed

A small to moderate amount of echogenic free fluid is observed. The abdominal lymph nodes are normal/not visible.

AGE

10 Years

Other

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

ULTRASONOGRAPHIC FINDINGS
WEIGHT

31 kgs.

Primary Findings:

- Splenic masses. Neoplasia (i.e., hemangiosarcoma, hemangioma) is considered likely with a lower possibility of benign pathology.
- The ascites may represent hemorrhagic or neoplastic effusion or may be secondary to increased hydrostatic pressure or low oncotic pressure.
- The hepatic parenchymal changes could be consistent with metastatic disease. Alternatively, benign, age-related pathology is also possible.

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 (*Small Animal Internal
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Secondary Findings:

- Urinary bladder debris.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
HOSPITAL NAME

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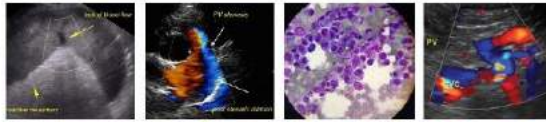
1. Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
2. If an aggressive approach is desired, a splenectomy with submission of the spleen for histopathology is recommended. Liver biopsies should also be obtained to assess for metastatic disease.

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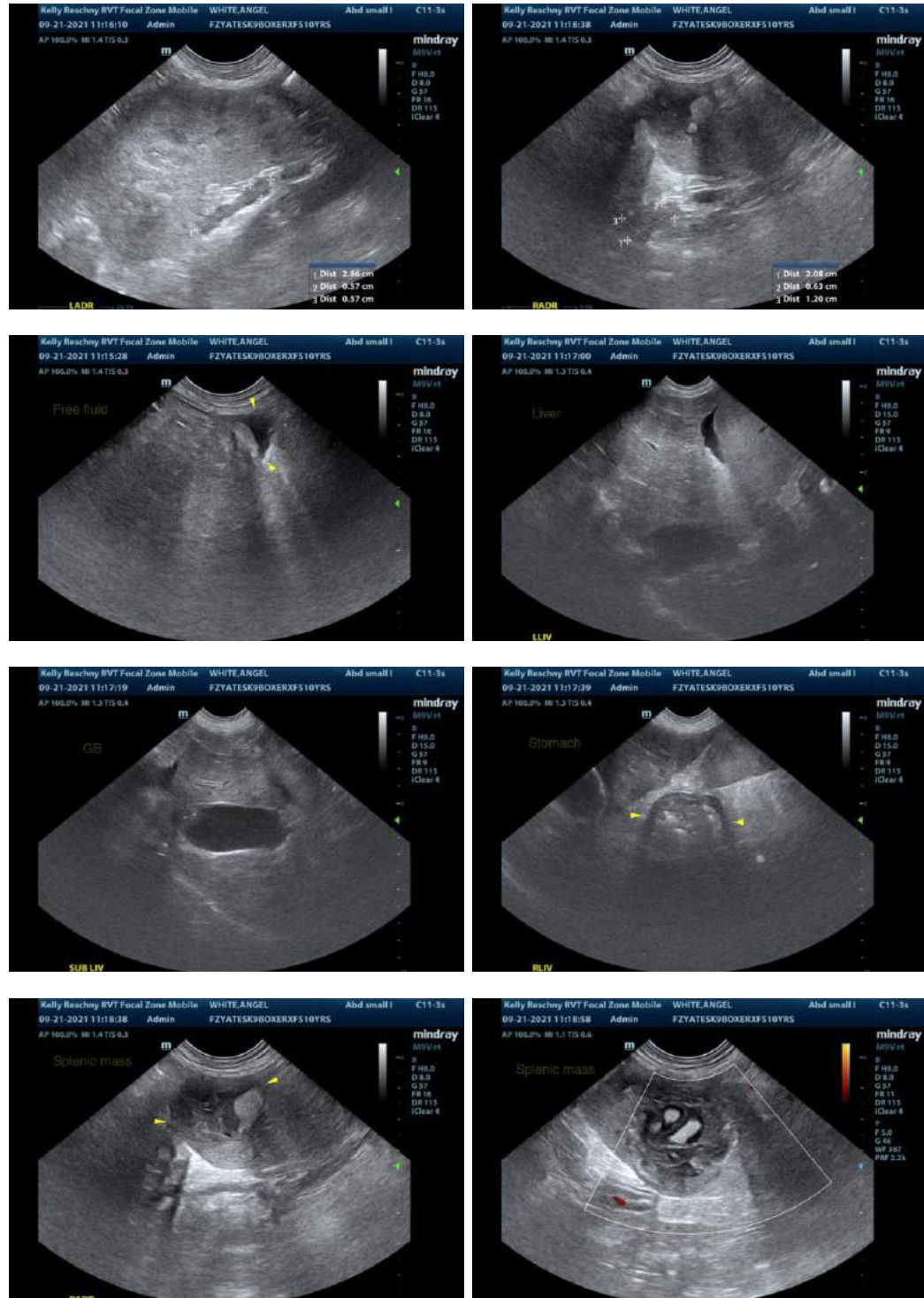
Yates VH

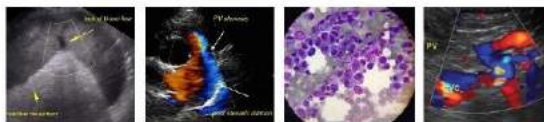
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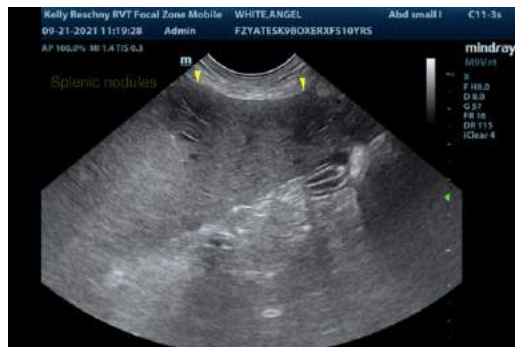
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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