


PATIENT

Pepper Taylor

PRESENTING CLINICAL SIGNS

History: History of rhinitis, valvular heart disease and recent sudden epistaxis. On Clavaseptin, Vetmedin, Tramadol and Stilbesterol. Was on Codeine for cough in november. Suspect palpable mass.
 Abnormal PE/Chem/CBC/UA Results: normal other than elevated CPLi.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System
BREED

Spaniel Mix

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 1 cm, are normal.

SEX

Female, spayed

The left kidney is normal size (4.80 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and subtly heterogeneous with moderate loss of corticomedullary distinction. Several small cortical cysts are visualized. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

11 Yrs.

The right kidney is normal size (5.24 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and subtly heterogeneous with moderate loss of corticomedullary distinction. Several small cortical cysts are visualized. Trace pyelectasia is present. There is no evidence of nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

12 kg.

Adrenal Glands

The left adrenal gland is normal size (0.50 cm at cranial pole) (0.52 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.

The right adrenal gland is normal size (0.84 cm at cranial pole) (0.57 cm at caudal pole) (1.52 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

Crystal Hill, RVT

Spleen

A >5 cm irregular heterogeneous slightly cavitated vascular mass is arising from the parenchyma. the mesentery effacing the serosal surface of the mass is hyperechoic. In the remainder fo the spleen, the peripheral margins are slightly swollen/rounded. The parenchyma is mottled in appearance. Splenic vasculature is normal with no evidence of thrombosis.

HOSPITAL NAME

The Maples AH

Liver

The liver is subjectively prominent in size with swollen curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and exhibits mild heterogeneity. No distinct focal lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion. Several polypoid like lesions arising from the luminal surface of the gallbladder. The gallbladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common bile ducts are normal.

REFERRING VET

Dr. Kazienko

**INVOICE
 12805**
DATE

1/10/22


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Gastrointestinal

The gastric lumen is not distended. The gastric wall in the region of the fundus is mildly thickened (up to 0.50 cm) with apparent retention of the 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.

Pancreas

The left limb of the pancreas is prominent to enlarged with slightly irregular peripheral contours. The parenchyma is hypoechoic relative to surrounding omental fat and slightly mottled in appearance. No distinct focal lesions are observed. The right limb is largely isoechoic relative to surrounding omental fat. Overall, the pancreatic duct is not overtly dilated.

Free Abdomen

There is no obvious evidence of free fluid. 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
Primary Findings:

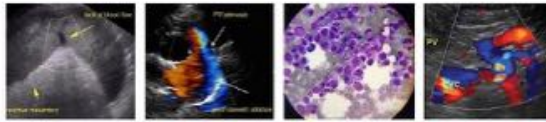
- Large splenic mass. Neoplasia (i.e., sarcoma, round cell tumor) is suspected with a lower possibility for benign pathology.
- The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, regenerative nodular hyperplasia, and/or age-related remodeling. Inflammatory and infiltrative disease are considered less likely.
- The pancreatic changes in the left limb are suggestive of a mild to moderate pancreatitis.

Secondary Findings:

- Bilateral, age-related renal changes with cortical cysts.
- The gastric wall changes are most consistent with inflammation or hypertrophy. However, emerging neoplasia cannot be completely excluded.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- If there is no evidence of pulmonary metastatic disease, a splenectomy with submission of the spleen for histopathology can be considered. A liver biopsy should also be obtained the time of diagnosis to assess for micrometastatic disease.



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- Supportive care for pancreatitis is also recommended.

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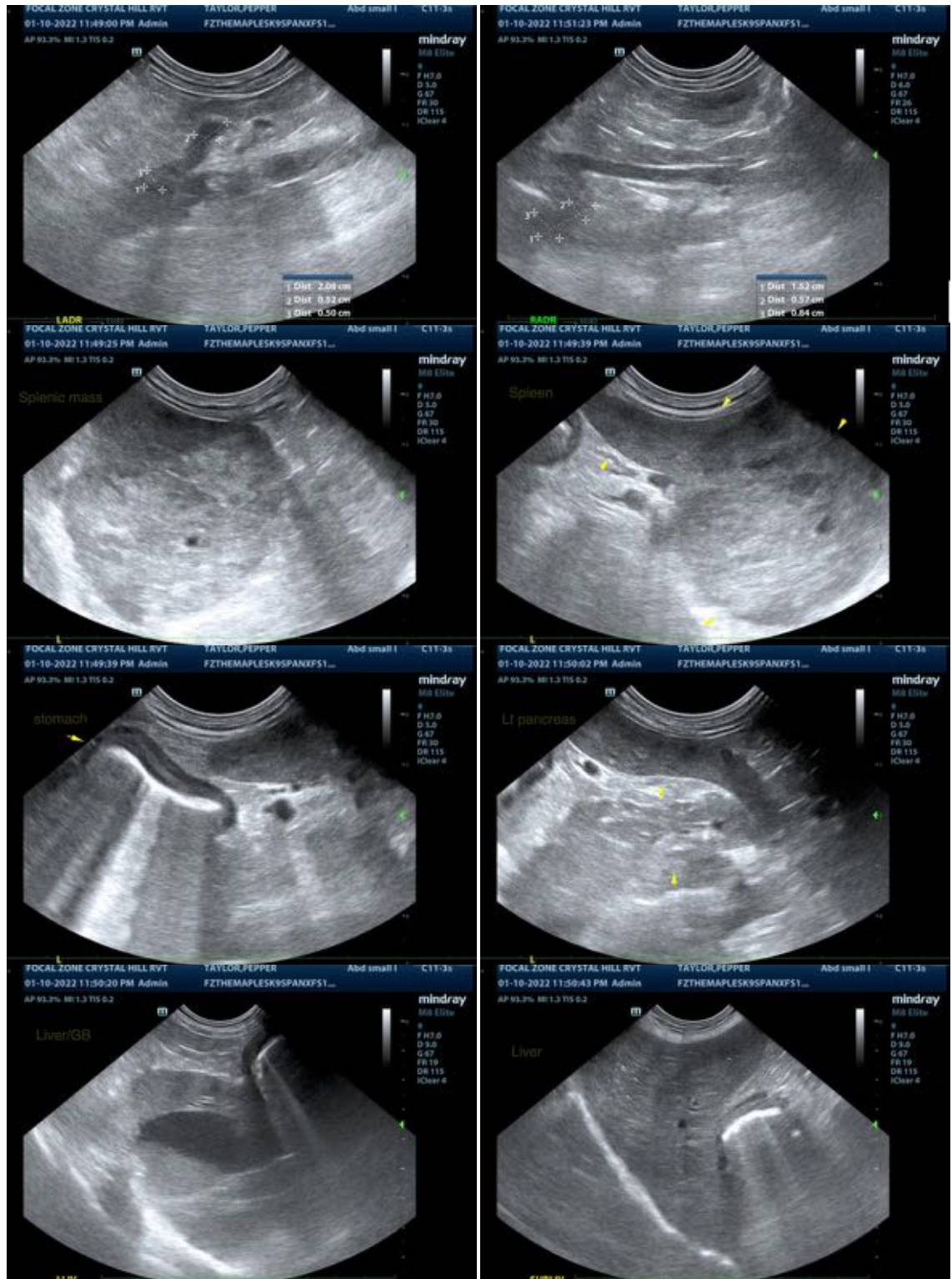
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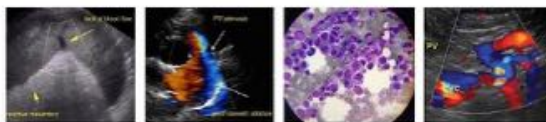
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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*)

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