



PATIENT PRESENTING CLINICAL SIGNS

Abby Dudley 4-6 week reassess the lymph node and the cystic hepatic lesion

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

Canine

The urinary bladder is mildly to moderately distended. The wall in the region of the apex is mildly thickened (up to 0.45 cm) and irregular. The wall tapers to a normal thickness as it extends toward the cystourethral junction. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2-3 cm, are normal.

BREED

Bulldog

SEX

Female, spayed

The left kidney is normal size (7.01 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

5/5/2011

The right kidney is normal size (7.58 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

72 lbs.

Adrenal Glands

The left adrenal gland is normal size (0.71 cm at cranial pole) (0.81 cm at caudal pole) (2.83 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)

The right adrenal gland is normal size (1.13 cm at cranial pole) (0.80 cm at caudal pole)(2.61 cm 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.

IMAGING PERFORMED BY

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

Spleen

The spleen is normal in size (1.89 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

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Liver

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is hypochoic relative to the spleen and slightly mottled in appearance. A 2.52 cm ill-defined cystic lesion is observed on the right side. 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.

REFERRING VET

Dr. Kline

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Gastrointestinal

The gastric lumen is mildly to moderately distended with ingesta. 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

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7/12/22



PATIENT

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pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

Pancreas

SPECIES

Canine

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.

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Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

SEX

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Other

In the left mid-abdomen, just caudal to the left renal artery, a 3.27 x 3.18 cm well circumscribed, heterogeneous, cavitated mass is visualized.

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A brief echocardiogram reveals a 4.13 x 2.71 cm heterogeneous mass in the region of the heart base. The lesion was not previously observed. There is no obvious evidence of pericardial or pleural effusion.

ULTRASONOGRAPHIC FINDINGS

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Primary Findings:

- Heart based tumor, not previously observed. Differentials include neoplasia (i.e., chemodectoma, ectopic thyroid tissue, hemangiosarcoma, lymphoma) vs blood clot vs other. Neoplasia is favored.
- The mass in the left-mid abdomen is similar to slightly larger in size and more well circumscribed compared to the previous sonogram. It may be arising from lymph node, mesentery, other. There is concern for neoplasia given its appearance on today's study.
- The cystic hepatic lesion is similar in appearance compared to the previous sonogram and trends toward the benign (i.e., benign hepatic cyst). The diffuse hepatic parenchymal changes are non-specific and are most consistent with a benign process (i.e., age-related remodeling) with a lower possibility of more insidious pathology.

Secondary Findings:

- Bilateral, chronic, age-related renal changes.
- Urinary bladder wall changes could be consistent with cystitis or may be artifactual due to lack of complete luminal distention. Correlation with the patient's urinalysis findings and clinical history is recommended.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- Given the suspicion for bi-cavitary neoplasia, the prognosis is considered guarded. However, if further workup is desired, a full echocardiogram can be considered as well as an abdominal CT scan.



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SPECIES

Canine

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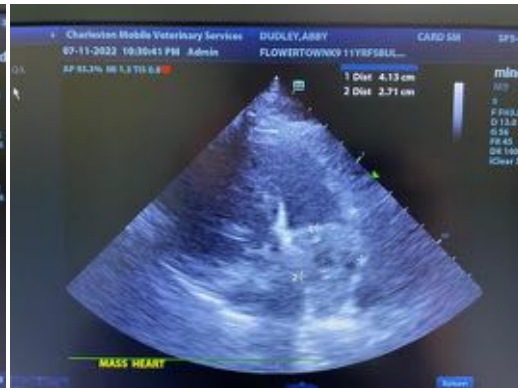
Female, spayed

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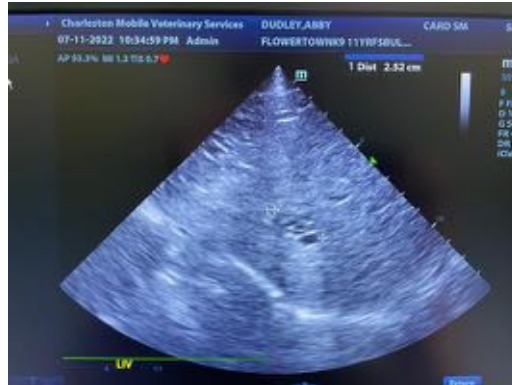


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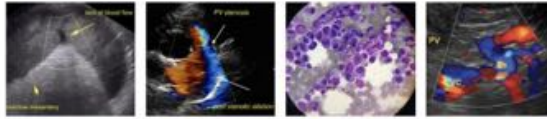
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Bulldog

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

Andrea.Nicastro@CharlestonMobile.net

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