

PATIENT PRESENTING CLINICAL SIGNS

Basil Jackson History: Basil is a geriatric Dachshund who presented for annual exam and blood work. Normal appetite, thirst and eliminations Working diagnosis Chronically elevated liver enzymes. Rule out Cushing's disease, hepatic disease or neoplasia

SPECIES

Canine

ALT 162, ALP 202

BREED

Dachshund

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Neutered Male

The urinary bladder wall is normal in thickness and the mucosal surface in the region of the apex is slightly irregular. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2 cm, are normal.

The prostate is normal in size (1.04 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

AGE

6/14/2007

The left kidney is normal size (5.94 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is isoechoic relative to the spleen and mildly heterogeneous with numerous small cortical cysts observed. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

WEIGHT

7 Kg

The right kidney is normal size (4.65 cm in length) with a slightly irregular shape. The cortex is isoechoic relative to the spleen with a few small cortical cysts observed. At least 1 small focus of mineralization is observed within the cortex. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths or hydroureter.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is mildly enlarged (0.72 cm at cranial pole) (0.88 cm at caudal pole); 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

Loetitia Saint-Jacques, RVT

The right adrenal gland is mildly enlarged (1.09 cm at cranial pole) (0.63 cm at caudal pole) with a normal shape and smooth peripheral contours. The parenchyma is slightly heterogeneous with some loss of glandular detail. The phrenicoabdominal vein and surrounding vasculature are normal.

HOSPITAL NAME

Tahoe Integrative Care

Spleen

REFERRING VET

Dr. Robinson

The spleen is normal in size (1.59 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.

INVOICE

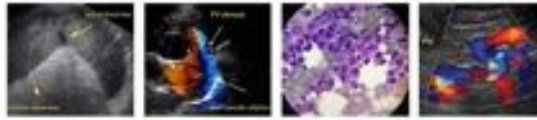
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Liver

The liver is subjectively prominent to enlarged with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and diffusely mottled in appearance with several ill-defined hypoechoic nodules, the largest measuring 1.79 cm in diameter. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The

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5/1/23



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wall is thin and smooth. Luminal contents are mostly anechoic. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

SPECIES

Canine

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.

BREED

Dachshund

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.

SEX

Neutered Male

Free Abdomen

AGE

6/14/2007

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

WEIGHT

7 Kg

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- 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.

Secondary Findings:

- Bilateral, chronic renal changes with cortical cysts.
- Borderline bilateral adrenomegaly.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- A urinalysis is recommended to evaluate for isosthenuria, proteinuria, etc.
- Consider testing for hyperadrenocorticism with a low-dose dexamethasone suppression test or ACTH stimulation test if clinical signs (i.e., PU/PD) develop.
- Serial monitoring (i.e., every 3-4 months) of the patient's liver values is recommended. If liver values continue to increase, a repeat abdominal ultrasound +/- hepatic tissue sampling may be warranted.

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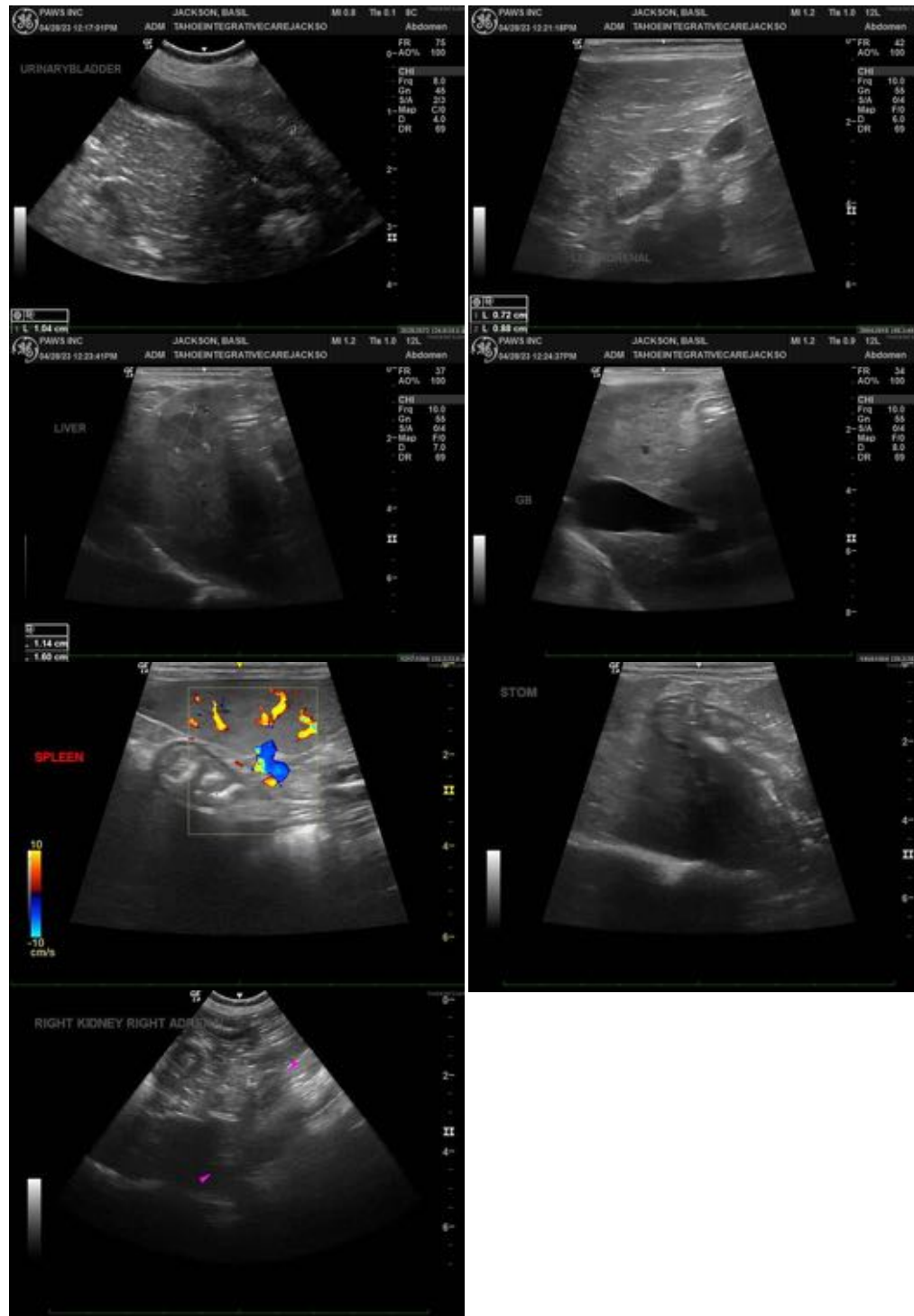
Dr. Robinson

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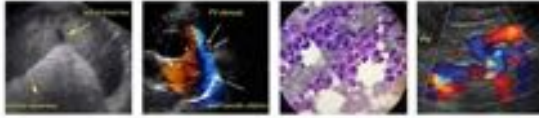
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

Basil Jackson

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, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
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