

PATIENT PRESENTING CLINICAL SIGNS

Yoda Massey History: Very swollen tight abdomen fast scan did not show obvious fluid I was concerned about organ enlargement liver/spleen, pu/pd, polyphagia, lethargic, weight gain, previously hair loss
Current Medications Denamarin

SPECIES

Canine Abnormal PE/Chem/CBC/UA Results: ALT 225 ALKP 544 BUN 41 ACTH stim wnl

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Chihuahua **Urinary System**
Urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

SEX

Neutered Male Prostate (neutered) is normal in size, echotexture and echogenicity for a neutered male.

AGE

15 Years Kidneys are overall normal in size and shape with smooth peripheral margination. A normal 1:3 cortex to medulla ratio is maintained. The medulla and cortices are uniform in texture with some mild increased cortical echogenicity and mild loss of corticomedullary distinction, expected in this age patient. There is no evidence of mineral or infarcts observed. A cortical cyst is noted, measuring 1.4 cm x 1.2 cm in the cranial pole of the left kidney. The left kidney measures 4.46 cm. The right kidney measured 4.34 cm. Multiple small cortical cysts were noted in the right kidney. Trace pyelectasia is noted bilaterally.

WEIGHT

13.24 Pounds **Adrenal Glands**
Left adrenal gland is normal in size (0.51 cm at cranial pole and 0.56 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM DACVIM Right adrenal gland is plump/swollen in size (0.77 cm at cranial pole and 1.2 cm at caudal pole). Normal shape and contour are maintained without evidence of capsular invasion. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal. A hyperechoic nodule is noted in the cranial pole of the right adrenal gland. Nodule does not disrupt normal shape and/or architecture.

HOSPITAL NAME

VCA Vitality AH **Spleen**
Spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

REFERRING VET

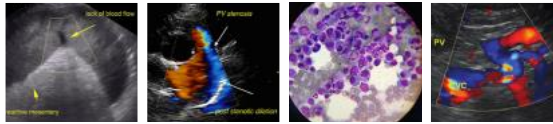
Dr. Surroz **Liver**
Liver is subjectively enlarged with mildly irregular margins. Parenchyma is heterogenous characterized by multiple poorly defined hypoechoic nodules within otherwise hyperechoic liver parenchyma. Visible vasculature and biliary tree appear normal without distension or congestion.

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PATIENT Gallbladder is moderately distended with anechoic bile as well as suspended and gravity dependent echogenic debris. The wall is smooth without visible thickening. There is no evidence of cystic or CBD dilation. There is no evidence of effusion or inflammation.

Yoda Massey

Gastrointestinal

SPECIES The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

Canine

BREED

The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

Chihuahua

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

SEX

Neutered Male

Pancreas

Pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

AGE

15 Years

Free Abdomen

There is no evidence of peritoneal effusion. In the area of the medial iliac lymph nodes/at the aortic bifurcation, there is a 2.6 cm x 0.83 cm heterogenous cystic structure that appears to be a cystic enlarged medial iliac lymph node.

WEIGHT

13.24 Pounds

ULTRASONOGRAPHIC FINDINGS

Primary Findings

INTERPRETED BY

Beth Johnson, DVM
DACVIM

- Right adrenomegaly with a nodule in the cranial pole. This could represent adrenal hyperplasia, secondary to pituitary dependent hyperadrenocorticism, or potentially less likely, an adrenal adenoma. There are no characteristics of malignancy to suggest adenocarcinoma, however, carcinoma cannot be definitively ruled out. Normal age-related patient variant is also possible, but less likely given this patients clinical signs of hyperadrenocorticism.

HOSPITAL NAME

VCA Vitality AH

- Heterogenous Liver – These changes are most consistent with benign processes such as nodular hyperplasia, steroid (vacuolar) hepatopathy, extramedullary hematopoiesis or possibly chronic inflammatory disease and less commonly infiltrative round cell or metastatic neoplasia.

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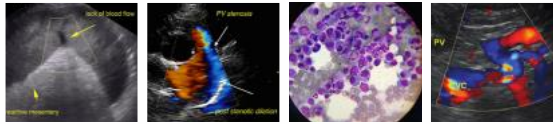
- Mild gallbladder debris - Cholecystic debris is of unknown clinical significance. It can be seen with biliary stasis from fasting or illness. Cholecystic debris is not necessarily related to hepatobiliary disease. Echogenic bile is most commonly an incidental finding in dogs and should be interpreted in combination with clinical signs such as nausea, inappetence, cranial abdominal discomfort and/or laboratory changes such as increased ALP and/or increased Tbili.

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PATIENT
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- Cystic, likely reactive, medial iliac lymphadenopathy, however, infiltrative neoplastic disease cannot be ruled out without tissue sampling.

Secondary Findings

SPECIES
Canine

- Age-related kidney changes with trace pyelectasia bilaterally and a cortical cyst in the left kidney.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED
Chihuahua

If not recently evaluated, a thorough rectal and perianal exam is recommended, given this patient's medial iliac lymphadenopathy. Additionally, if the lymph node can safely/comfortably be reached, and patient's coagulation status is appropriate, a fine needle aspirate of the lymph node could be considered.

SEX
Neutered Male

The described adrenal gland, liver and gallbladder changes are all suggestive of hyperadrenocorticism. Given the reported clinical signs also suggestive of hyperadrenocorticism, further testing is recommended:

AGE
15 Years

- A LDDS test is warranted. The LDDS test is more sensitive than an ACTH stimulation test and can occasionally diagnose positive cases that previously had a normal ACTH stimulation test.
- If not recently evaluated, blood pressure is recommended.
- Additionally, if not recently evaluated, a urinalysis and, if indicated based on urinalysis results, urine culture is also recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ratio is recommended.

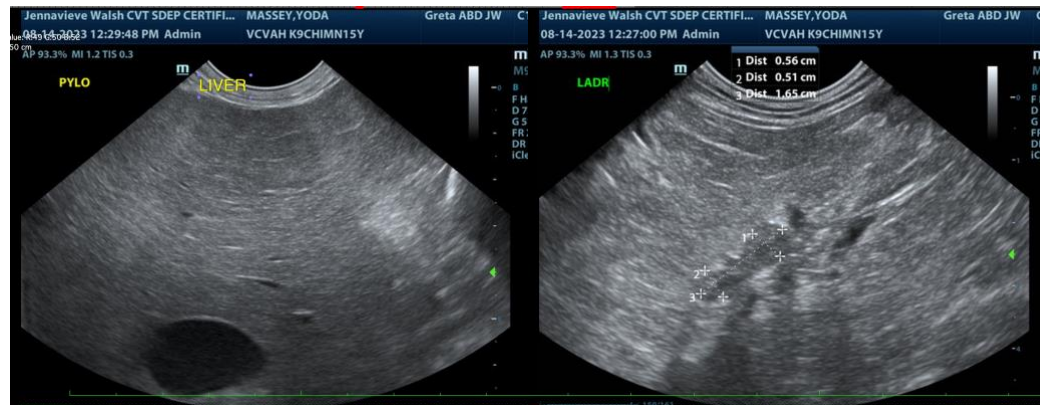
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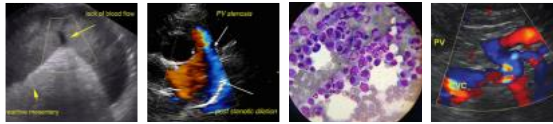
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PATIENT	Jennavieve Walsh CVT SDEP CERTIFI... MASSEY,YODA Greta ABD JW C 08-14-2023 12:27:49 PM Admin VCVAH K9CHIMN15Y 82 cm AP 93.3% MI 1.3 TIS 0.3		Jennavieve Walsh CVT SDEP CERTIFI... MASSEY,YODA Greta ABD JW C 08-14-2023 12:31:03 PM Admin VCVAH K9CHIMN15Y 82 cm AP 93.3% MI 1.3 TIS 0.2	
Yoda Massey				
SPECIES	Canine			
BREED	Chihuahua			
SEX	Neutered Male			
AGE	15 Years			
WEIGHT	13.24 Pounds			
INTERPRETED BY	Beth Johnson, DVM DACVIM			
HOSPITAL NAME	VCA Vitality AH			

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.

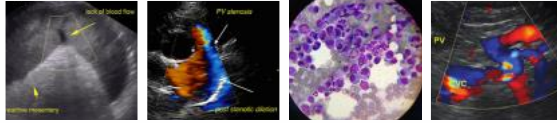
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Dr. Surroz

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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Beth Johnson, DVM DACVIM
info@sonopath.com

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PATIENT

Yoda Massey

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

15 Years

WEIGHT

13.24 Pounds

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