

**PATIENT**

Mickey Cheaves

SPECIES

Canine

BREED

Jack Russell Terrier

SEX

Neutered Male

AGE

11 Years

WEIGHT

24 lbs

INTERPRETED BYGreg Kuhlman, DVM,
DACVIM (SAIM)**IMAGING
PERFORMED BY**

Julia Bakker, DVM

HOSPITAL NAMEOrange Blossom
Veterinary Imaging**REFERRING VET**

Gordon Brackee, DVM

INVOICE

74670

DATE

4/21/26

PRESENTING CLINICAL SIGNS

Grade 4 of 6 heart murmur, with hacking cough persistent for the last 2 months. Energy level lower than usual and has less interest in food. Partial AUS found enlarged liver with echodense granular appearance. Scheduled for full bicavitary evaluation. Radiographs attached.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

Urinary bladder is adequately distended. It has a normal uniform wall thickness. Contents include primarily anechoic fluid with a mild amount of echogenic non-shadowing debris, most consistent with exfoliated cells, mucous and/or small blood clots. Both sterile inflammation as well as urinary tract infection can present with echogenic debris. No masses or cystoliths are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

The prostate appears normal. It is symmetrical with uniform echogenicity.

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 pyelectasia or infarcts observed. Left kidney measured 5.3 cm. Non-obstructive linear multifocal hyperechoic diverticular foci with acoustic shadowing are noted in the right kidney. The right kidney measures 5.2 cm.

Adrenal Glands

The cranial pole of the right adrenal gland is normal in size (4.0 mm). The caudal pole is mildly enlarged at 8.0 mm.

The left adrenal gland is mildly enlarged at the caudal pole (8.7 mm). No abnormalities seen. Cranial pole measured 6.9 mm.

Spleen

The spleen revealed a hypoechoic non-capsule displacing 1.8 cm x 1.2 cm lesion in the head of the spleen. A 2nd hypoechoic lesion is noted in the body of the spleen. This lesion is capsule displacing and measures 0.9 cm x 1.2 cm in size. There are several hyperechoic non-capsule displacing lesions that measure approximately 1-2 mm in diameter throughout the spleen, adjacent to large vessels, most likely benign myelolipomas.

Liver

Liver is relatively normal in size and contour. Parenchyma is mildly heterogenous and coarse with mild likely age-related parenchymal remodeling noted. There are two cystic lesion in the left liver measuring 4.5 mm in width and 5.4 mm in width. No masses are associated with these lesions. Most likely benign hepatic cysts and appear insignificant at this time. Visible vasculature and biliary tree appear normal without distension or congestion.

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.



PATIENT

Mickey Cheaves

SPECIES

Canine

BREED

Jack Russell Terrier

SEX

Neutered Male

AGE

11 Years

WEIGHT

24 lbs

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

Gordon Brackee, DVM

INVOICE

74670

DATE

4/21/26

Gastrointestinal

The visible stomach wall is normal in thickness and layering. The stomach is moderately distended with echogenic non-shadowing luminal contents and gas consistent with normal ingesta. There is no evidence of obstruction, foreign material or infiltrative disease. If patient was appropriately fasted, delayed gastric emptying could be considered. Non-shadowing foreign material is considered less likely but cannot be definitively ruled out.

If clinical signs are consistent (vomiting, etc.), recommendations include supportive medical care, 24 hours fasting and re-image.

The small intestines have normal wall layering and thickness. Colon contains normal contents with normal wall thickness.

Pancreas

The left pancreas appears normal. The right limb appears diffusely hypoechoic without surrounding hyperechoic fat.

Free Abdomen

There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.

ULTRASONOGRAPHIC FINDINGS

- Hypoechoic, non-capsule displacing splenic lesion – most likely benign extramedullary hematopoiesis, less likely malignant neoplasia such as hemangiosarcoma, lymphoma or mast cell.
- Hypoechoic, capsule displacing splenic lesion – Possibly still benign extramedullary hematopoiesis or hemangioma, but given capsule displacement, there is concern for possible neoplasia such as hemangiosarcoma, lymphoma or mast cell or other.
- Bilateral adrenal gland enlargement – Consider pituitary dependent hyperadrenocorticism.
- Heterogeneous liver with parenchymal remodeling – May be age related, or hyperadrenocorticism may also be contributing to the appearance of the liver.
- Gallbladder debris – Appears clinically incidental.
- Hypoechoic right pancreatic limb.
- Full stomach - The patient appears to have eaten recently.
- Age related renal changes.
- Urinary bladder debris.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommend fine needle aspirates of the splenic lesions with submission for cytology, or consider direct splenectomy.



PATIENT

Mickey Cheaves

SPECIES

Canine

BREED

Jack Russell Terrier

SEX

Neutered Male

AGE

11 Years

WEIGHT

24 lbs

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

Gordon Brackee, DVM

INVOICE

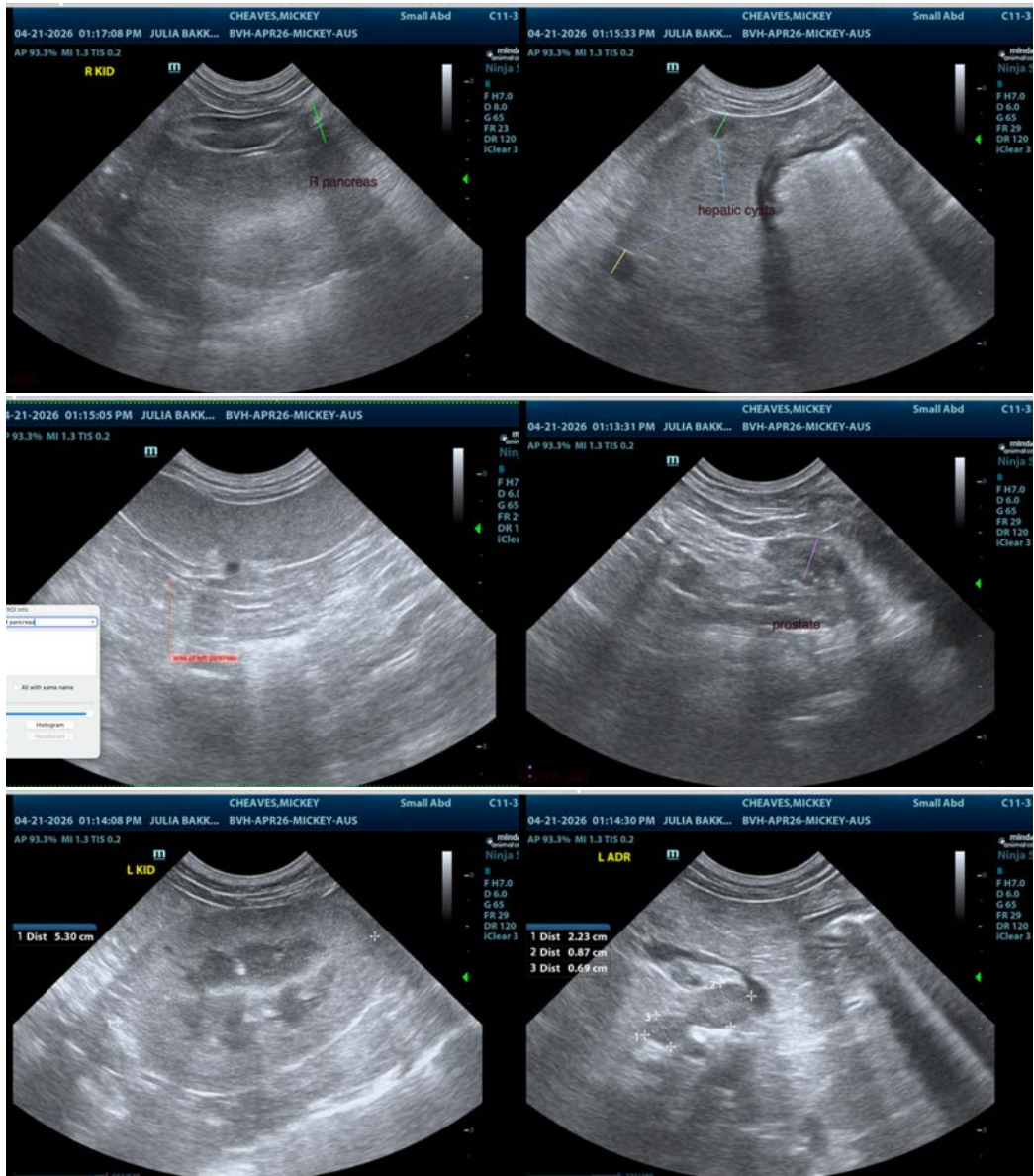
74670

DATE

4/21/26

Recommend screening the patient for hyperadrenocorticism via a low-dose Dexamethasone suppression test.

Recommend cPLI to screen the patient further for possible clinically significant pancreatic inflammation.





PATIENT

Mickey Cheaves

SPECIES

Canine

BREED

Jack Russell Terrier

SEX

Neutered Male

AGE

11 Years

WEIGHT

24 lbs

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

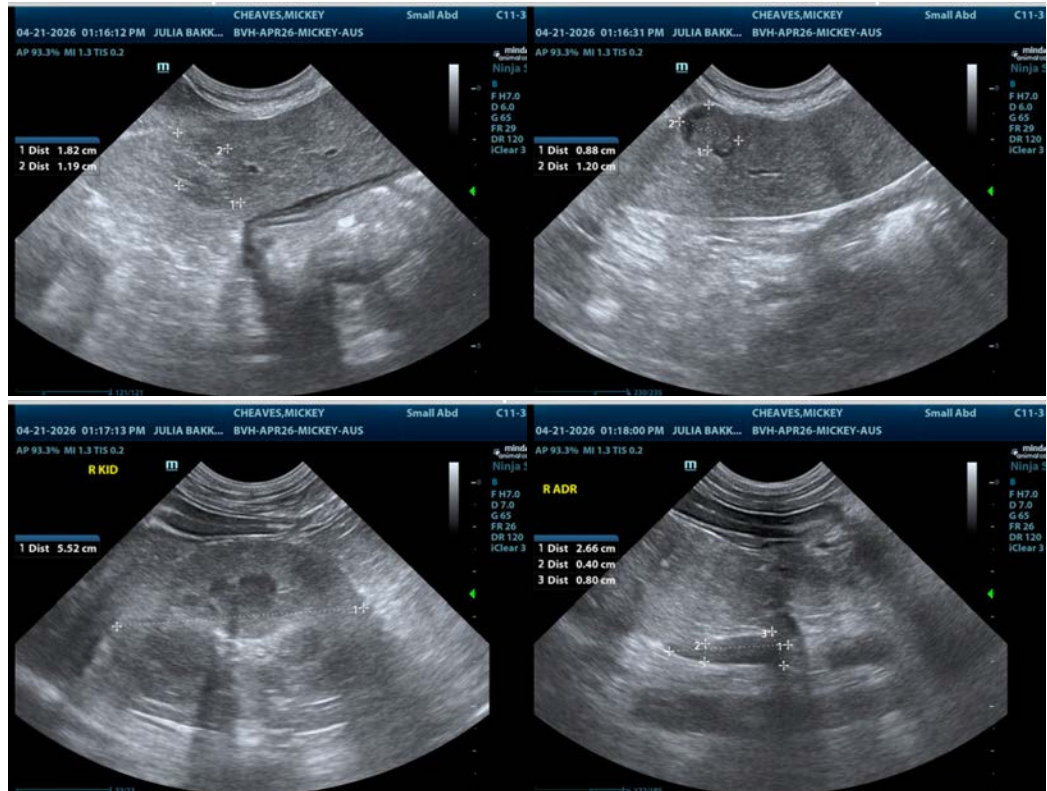
Gordon Brackee, DVM

INVOICE

74670

DATE

4/21/26



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.

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.

Greg Kuhlman, DVM, DACVIM (SAIM)

Veterinary Internal Medicine Specialist

info@SonoPath.com