



## PATIENT

Spice Cassano

## SPECIES

Canine

## BREED

Chihuahua

## SEX

Male (Neutered)

## AGE

12 years

## WEIGHT

9.9 lbs.

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

## IMAGING PERFORMED BY

Meghan Morse, LVT,  
CVT

## HOSPITAL NAME

Orchard Grove AH

## REFERRING VET

Dr. Cassano

## INVOICE

10647

## DATE

2/24/26

## PRESENTING CLINICAL SIGNS

History:

- Recheck gallbladder sludge after starting Ursodiol

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

The area of the residual prostate appeared normal and free of pathology

The area of the iliac trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.9 cm in length. The right kidney measured 4.3 cm in length. Pinpoint medullary mineral was present in both kidneys.

### *Adrenal Glands*

The left adrenal gland was small in size with flattened contour and a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.20 cm width. The right adrenal gland was small in size with flattened contour and a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.20 cm width.

### *Spleen*

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Focal to intermittent, medial parenchymal to perihilar, small hyperechoic nodules were present. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory or neoplastic changes were not noted. The echogenic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

### *Liver/ Gallbladder*

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size containing primarily anechoic content with mild, dependent, nonorganized gallbladder debris. The cystic and common bile ducts were normal.



**PATIENT**

Spice Cassano

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Male (Neutered)

**AGE**

12 years

**WEIGHT**

9.9 lbs.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Meghan Morse, LVT,  
CVT

**HOSPITAL NAME**

Orchard Grove AH

**REFERRING VET**

Dr. Cassano

**INVOICE**

10647

**DATE**

2/24/26

**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild, nonshadowing ingesta, consistent with food echogenicity without signs of obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

Normal visible colon wall layers were present with formed feces in lumen.

**Pancreas**

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

**Free Abdomen**

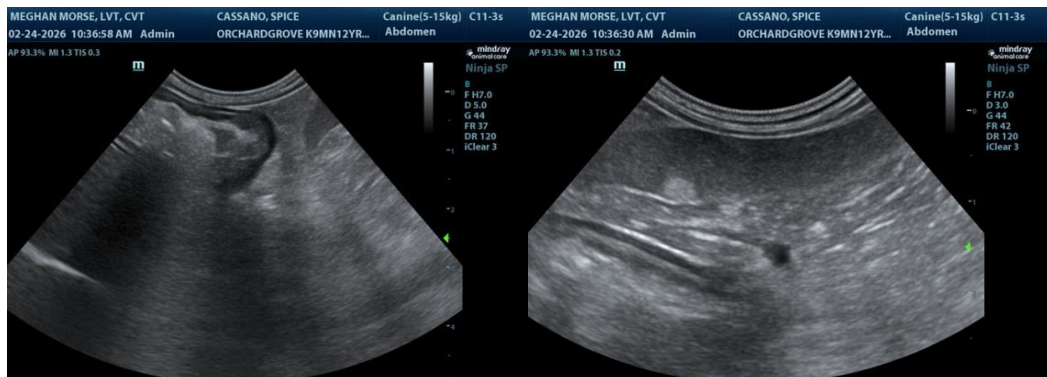
No overt lymphadenopathy or peritoneal effusion was present.

**ULTRASONOGRAPHIC FINDINGS**

- Static benign hepatopathy
- Static nonorganized gallbladder debris (non mucocele)
- Static benign splenic nodules – consistent with myelolipomas
- Static age-related renal changes
- Subnormal adrenal glands – consistent with patient history

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is no evidence of progressive gallbladder debris or mucocele criteria. Continued hepatosupportive medications with clinical or sonographic monitoring, if evidence of progressive cholestasis, is recommended.





**PATIENT**

Spice Cassano

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Male (Neutered)

**AGE**

12 years

**WEIGHT**

9.9 lbs.

**INTERPRETED BY**

R. McKenzie Daniel,  
 DVM, DABVP  
 (Canine and Feline)

**IMAGING PERFORMED BY**

Meghan Morse, LVT,  
 CVT

**HOSPITAL NAME**

Orchard Grove AH

**REFERRING VET**

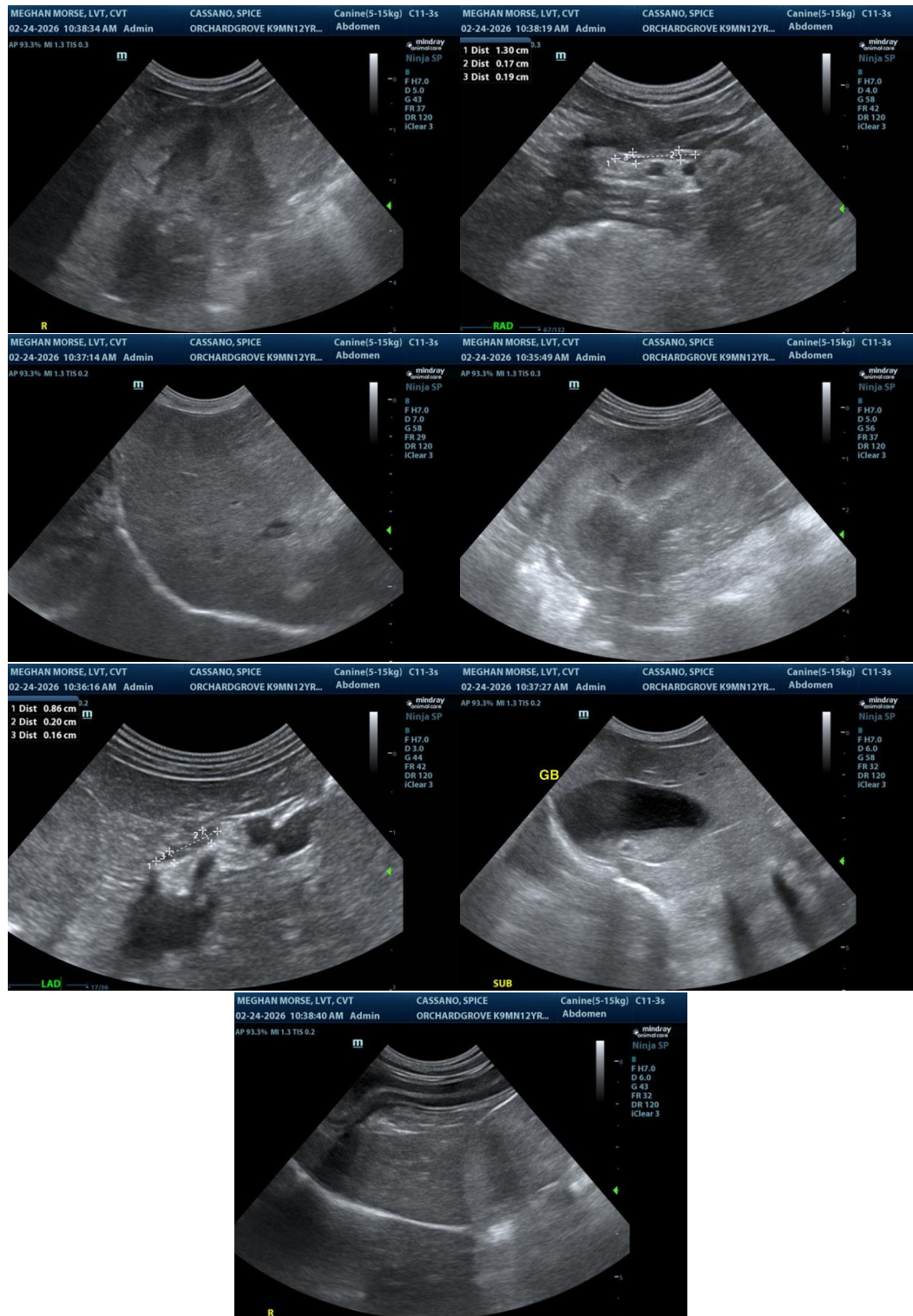
Dr. Cassano

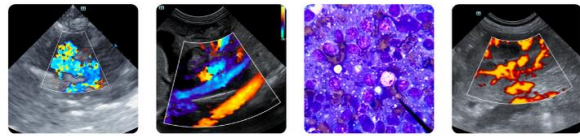
**INVOICE**

10647

**DATE**

2/24/26





**PATIENT**

Spice Cassano

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Male (Neutered)

**AGE**

12 years

**WEIGHT**

9.9 lbs.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Meghan Morse, LVT,  
CVT

**HOSPITAL NAME**

Orchard Grove AH

**REFERRING VET**

Dr. Cassano

**INVOICE**

10647

**DATE**

2/24/26

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.

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**  
[info@sonopath.com](mailto:info@sonopath.com)