



PATIENT

Cobie Napolitano

SPECIES

Canine

BREED

Shih Tzu

SEX

Neutered Male

AGE

15 Years 2 Months

WEIGHT

5.86 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Emilie Papell

HOSPITAL NAME

Calusa Veterinary
Center

REFERRING VET

Dr. Emilie Papell

INVOICE

16293

DATE

06/04/26

PRESENTING CLINICAL SIGNS

History of liver mass first noted on ABD US 9/19/2024. Small splenic mass noted at same time. Diagnosed MMVD with a grade 3/6 systolic murmur

Abnormal PE/Chem/CBC/UA Results: BW on 10/7/25: BUN 40 (H) K 5.5(H), CL 106 (L), ALT 861 (H), AST 90(H), ALP 499 (H), GGT 14 (H) BW taken today - pending.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed small calculi that appeared nonobstructive. The bladder wall itself was hypertrophied and thickened measuring up to 0.6 cm.

The **prostate** was mildly heterogenous and mildly enlarged measuring up to 1.1 cm.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Slight pinpoint mineralizations were present in the renal pelvis and corticomedullary junction bilaterally. The left kidney measured 4.13 cm in length. The right kidney measured 4.01 cm in length. Slight pyelectasia was present in the left kidney.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 1.54 cm x 0.63 cm width at the cranial pole and 0.48 cm width at the caudal pole. The right adrenal gland measured 1.01 cm x 0.65 cm width.

Spleen

The **spleen** revealed a focal hypoechoic nodule in the mid cranial body measuring 1.1 cm with disruption or architecture with capsular expansion. The remainder of the spleen was largely unremarkable.

Liver

The **liver** in this patient revealed multiple nodular expansive masses and a 2.0 cm separate mass likely in the lymph node origin. The masses throughout the liver were extensive and occupied a majority of the liver with minimal normal tissue present. The mass appeared to derive from the left liver yet extended into the right liver, enveloping the gallbladder. A separate caudate liver mass was noted measuring 5.8 cm.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.



PATIENT

Cobie Napolitano

SPECIES

Canine

BREED

Shih Tzu

SEX

Neutered Male

AGE

15 Years 2 Months

WEIGHT

5.86 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Emilie Papell

HOSPITAL NAME

Calusa Veterinary
Center

REFERRING VET

Dr. Emilie Papell

INVOICE

16293

DATE

06/04/26

Pancreas

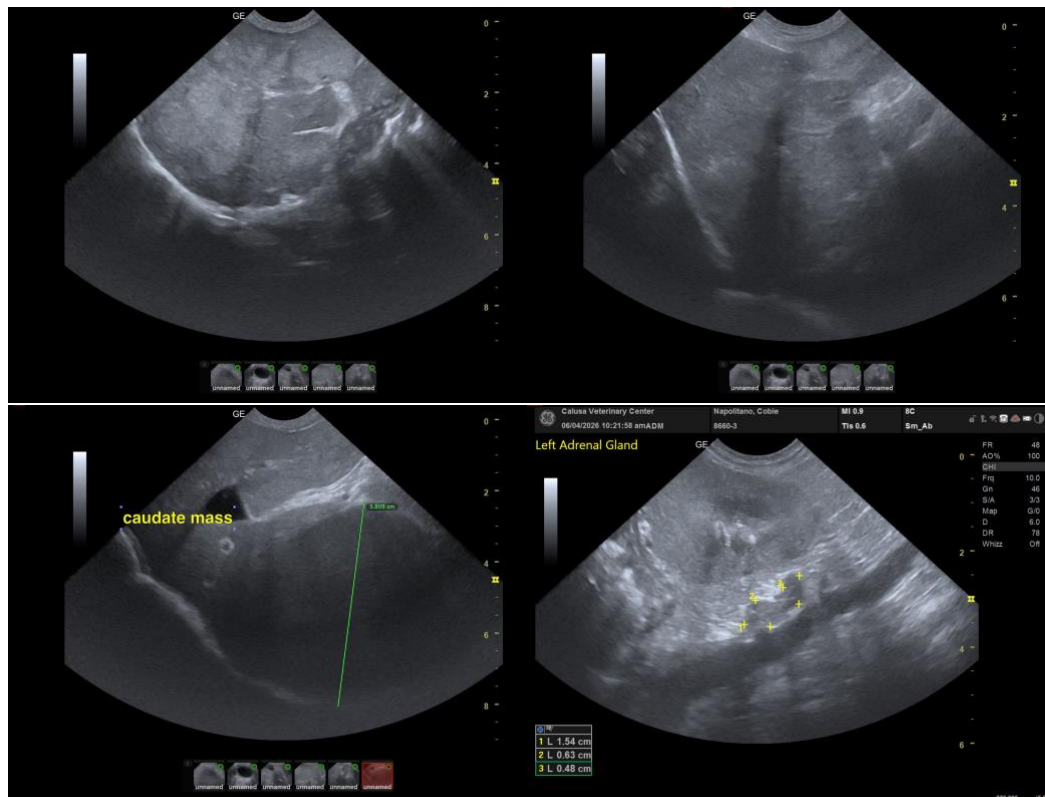
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some mild parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

ULTRASONOGRAPHIC FINDINGS

- Urinary bladder thickening with small calculi.
- Prominent prostate.
- Age-related renal changes with nephrolithiasis bilaterally.
- Focal splenic nodule.
- Multifocal to diffuse hepatic neoplasia with carcinomatous type pattern.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA is indicated for further definition. Prognosis is poor long-term. Hospice management is recommended. Carcinoma versus sarcoma are primary differentials.





PATIENT

Cobie Napolitano

SPECIES

Canine

BREED

Shih Tzu

SEX

Neutered Male

AGE

15 Years 2 Months

WEIGHT

5.86 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Emilie Papell

HOSPITAL NAME

Calusa Veterinary
Center

REFERRING VET

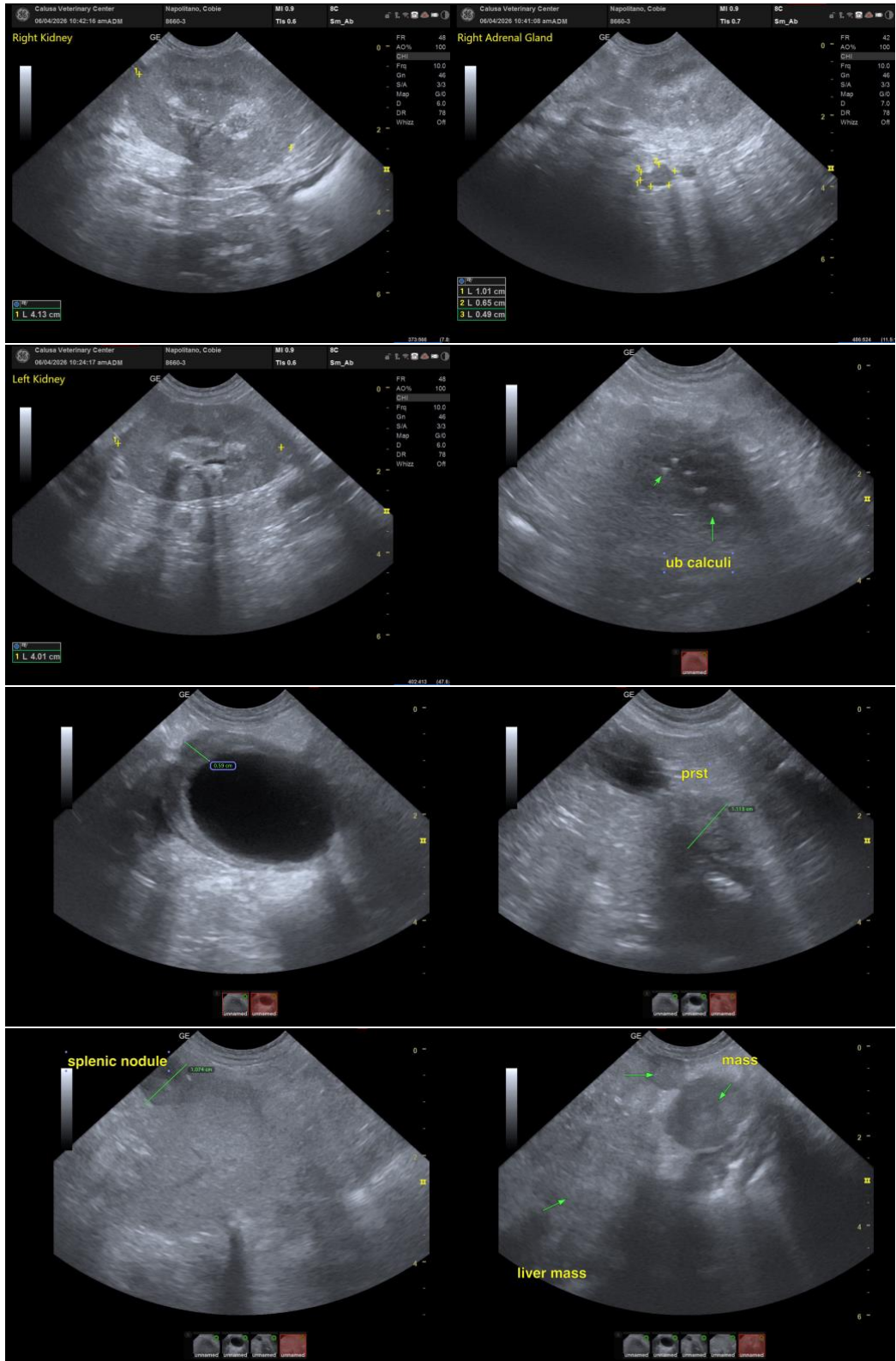
Dr. Emilie Papell

INVOICE

16293

DATE

06/04/26





PATIENT

Cobie Napolitano

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

Shih Tzu

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

CEO, Owner, Founder -- SonoPath.com

info@SonoPath.com

SEX

Neutered Male

AGE

15 Years 2 Months

WEIGHT

5.86 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Emilie Papell

HOSPITAL NAME

Calusa Veterinary
Center

REFERRING VET

Dr. Emilie Papell

INVOICE

16293

DATE

06/04/26