



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Bambina Armada
History: Date: 6/3/2022 Reason for Visit: non-anesthetic dental + Annual exam w/ bloodwork / Rabies Wavier / bath History: Doing well at home. Still has a habit of eating her own and the other dogs BM.

SPECIES

Canine

BREED

Dachshund

SEX

FS

AGE

13 yr

WEIGHT

18 lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC Veterinary
Hospital

REFERRING VET

Dr. Rivera

INVOICE

10875ag

DATE

06/21/2022

Abnormal PE/Chem/CBC/UA Results: Hydration: Appropriately hydrated Mentation: BAR EENT: No nasal discharge; clear no discharge, nuclear sclerosis OU; clean no exudate AU; No cough on tracheal palpation. Oral Cavity: No dental tartar present Lymph Nodes: Symmetrical, no changes in size, shape, consistency Skin: Good hair coat, no signs of ectoparasites, mild dry scale over dorsum. Ventral sternum comedones present. CV/Respiratory: No murmur/arrhythmia or crackles/wheezing auscultated. Synchronous pulses, normal rate. Normal bronchovesicular sounds. Abd/GI: Soft non painful abdomen, hepatomegally Uro/Perineum: N Musculoskeletal: Normal ambulation, no lameness noted. No pain on palpation of limbs, normal flexion/extension present in all joints of all limbs. Crepitus in rigth stifle. BCS 6/9 Neurological: Appropriate 1) CBC: RETIC 113 (10-110), PLT 558 (143-448) 2) CHEM: K 5.5 (4.0-5.4), Na:K ratio 27 (28-37), Cl 103 (108-119), ALB 4.1 (2.7-3.9), ALT 246 (18-121), ALP 635 (5-160), GGT 15 (0-13), LIPA 1240 (0-250) 3) UA (void): SG 1.018, PROT 3+, WBC 15-20/hpf, RBC 0-2/hpf, RODS 9-40/hpf 4) TT4: WNL 5) 4dx: Negative

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Mild to intermittent asymmetrical luminal surface to micropolypliod changes were present likely associated with age related mural changes. Anechoic urine was present in the lumen with several dependent variably sized calculi an example measuring 0.66 cm in diameter. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Normal size and margination was 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. Bilateral mild pyelectasia was observed. The left kidney measured 4.9 cm in length. The right kidney measured 5.0 cm in length.

The area of the aortic trifurcation was free of pathology.

The area of the uterine remnant was free of pathology.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.52 cm width in the cranial pole and 0.77 cm width in the caudal pole. The right adrenal gland measured 0.74 cm width in the caudal pole.

Spleen

The spleen was overall normal in size and contour with primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A solitary non disruptive hypoechoic nodule in the medial spleen measuring 0.62 cm was present.

Liver



PATIENT	The liver was mildly enlarged in size, with normal structure and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.
Bambina Armada	
SPECIES	The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content containing moderate nondependent mildly hyperechoic nonorganized luminal debris. The cystic and common bile ducts were normal.
Canine	
BREED	Gastrointestinal
Dachshund	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.
SEX	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.
FS	Normal visible colon wall layers were present with apparent formed feces in lumen.
AGE	Pancreas
13 yr	The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.
WEIGHT	Free Abdomen
18 lb	No overt lymphadenopathy or peritoneal effusion was present.
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	<ul style="list-style-type: none"> • Several urinary bladder calculi • Hepatopathy-subjectively benign, vacuolar hepatopathy and nonobstructive cholestasis given the elevated ALP/GGT with potential for primary concurrent nonspecific inflammatory hepatopathy given the ALT elevation possible. No overt evidence of neoplastic criteria • Moderate gallbladder debris (non-mucocele) • Bilateral chronic renal changes with minor pyelectasia • Solitary non disruptive splenic nodule-hyperplasia, hematopoiesis, small hematoma, focal splenic while the possibility of an emerging neoplastic nodule cannot be excluded • Mild pancreatic remodeling-suspect age-related changes and likely incidental, possible remodeling owing to previous inflammation
IMAGING PERFORMED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Michaleen	An ultrasound guided FNA of the liver +/- splenic nodule using a 25g needle and assuming normal clotting status could be considered for screening cytology. Sonographic monitoring of the nodule would be a more conservative approach. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.
HOSPITAL NAME	
DPC Veterinary Hospital	
REFERRING VET	
Dr. Rivera	
INVOICE	Adrenal disease is considered unlikely given lack of reported clinical signs.
10875ag	A urine C/S on a sterile urine sample is suggested given the presence of urinary bladder calculi.
DATE	Potential for low grade pancreatitis may be suspected if evidence of cranial abdominal of subxiphoid
06/21/2022	



PATIENT discomfort on palpation.

Bambina Armada

SPECIES

Canine

BREED

Dachshund

SEX

FS

AGE

13 yr

WEIGHT

18 lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Michaleen

HOSPITAL NAME

DPC Veterinary
Hospital

REFERRING VET

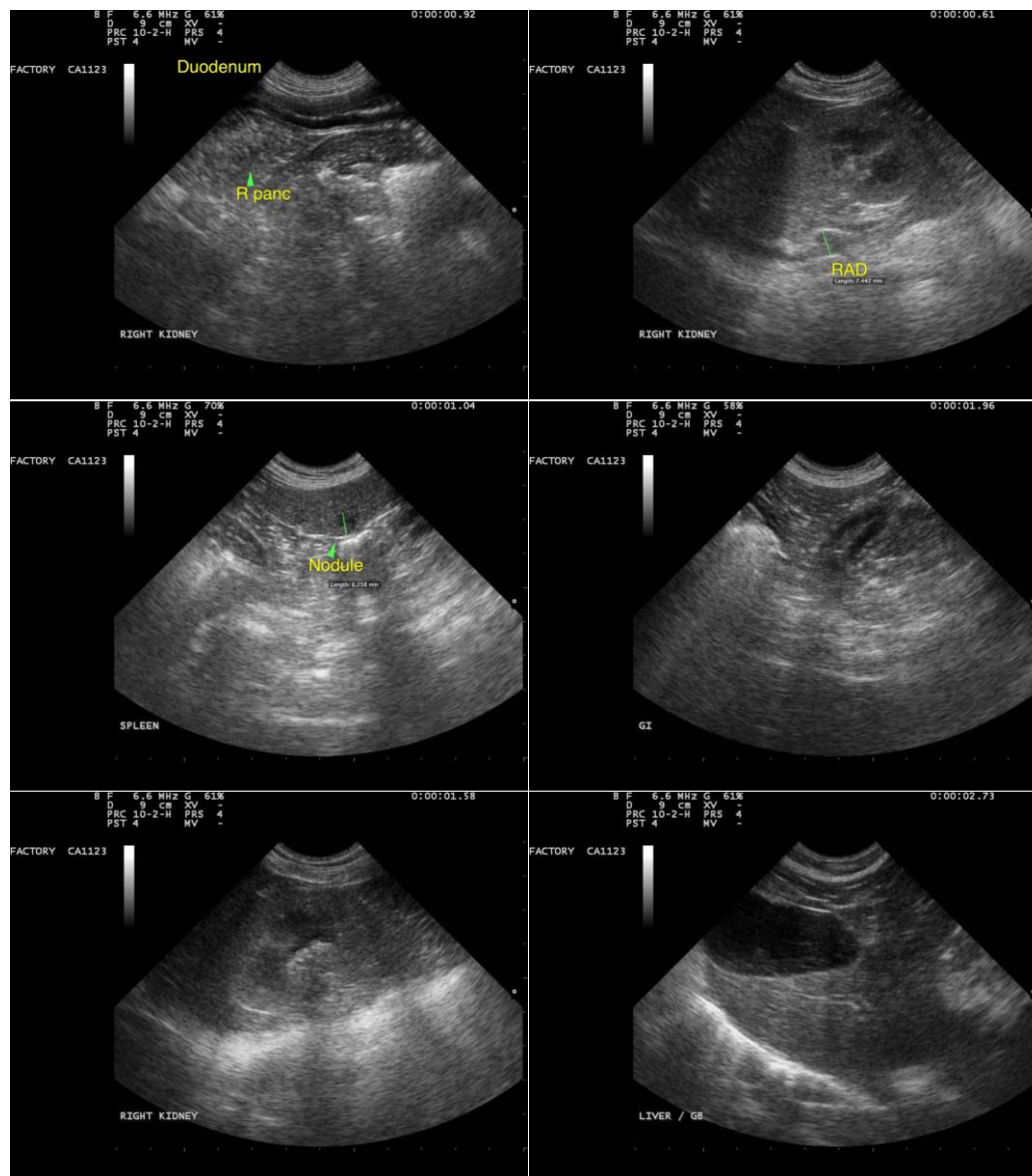
Dr. Rivera

INVOICE

10875ag

DATE

06/21/2022





PATIENT

Bambina Armada

SPECIES

Canine

BREED

Dachshund

SEX

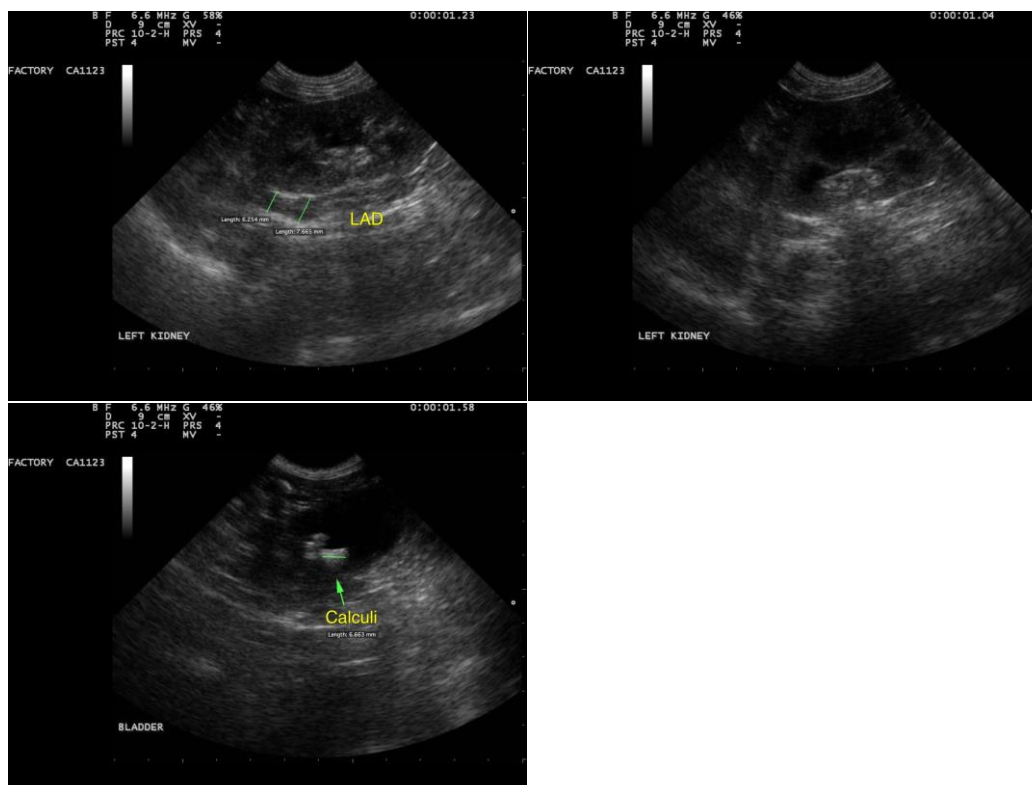
FS

AGE

13 yr

WEIGHT

18 lb



INTERPRETED BY

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

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)

IMAGING PERFORMED BY
Michaleen

info@SonoPath.com

HOSPITAL NAME

DPC Veterinary
Hospital

REFERRING VET

Dr. Rivera

INVOICE

10875ag

DATE

06/21/2022