



PATIENT	PRESENTING CLINICAL SIGNS
Buddy Boo Dean	History: Possible cushings Abnormal PE/Chem/CBC/UA Results: Chol: 442, PSL: 278, T4: 1.4, USG: 1.008,
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder was normal in size and tone. Mild symmetrically prominent ventral to ventral apical urinary bladder wall, exhibiting homogeneous mural echogenicity. Very minor particulate urinary bladder sediment was present, which may indicate minor cellular debris/protein, crystalline debris or mucus. The ventral urinary bladder wall measured 0.36 cm. Aortic trifurcation was normal.
Dachshund	
SEX	No overt pathology in the area of the residual prostate.
Neutered Male	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 5.5 cm in length. The right kidney measured 5.5 cm in length.
AGE	Adrenal Glands
11.5 Years	The left adrenal gland was mildly enlarged in size. Maintained symmetrical capsule contour was present with nonhomogeneous yet nonmineralized parenchyma. The left adrenal gland measured 2.9 cm in length x 1.0 cm at the caudal pole in width.
WEIGHT	The right adrenal gland was mildly enlarged in size. Maintained symmetrical capsule contour was present. Nondisruptive nonhomogeneous to mildly hyperechoic nodule was noted in the cranial right adrenal gland, measuring 1.1 cm x 0.8 cm. The overall right adrenal gland measured 1.1 cm at the cranial pole and 0.72 cm at the caudal pole in width.
15.8 Pounds	
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen was normal in size. Mild splenic parenchyma heterogeneity was present. Increased to coalescing hyperechoic parenchyma in the medial spleen was present. Splenic vascularity was normal.
IMAGING PERFORMED BY	Liver
A. Rodriguez	The liver exhibited subjective mild enlargement. 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.
HOSPITAL NAME	REFERRING VET
Foxfield VS	A. Rodriguez
INVOICE	Gastrointestinal
15901	The gallbladder was non distended in size with mild nondependent nonorganized gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.
DATE	The stomach presented intact wall layering with a normal wall layer ratio. Mild focally shadowing ingesta and echogenic chyme were present.
6/6/22	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.



PATIENT

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

Buddy Boo Dean

Pancreas

SPECIES

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Canine

Free Abdomen

BREED

No overt lymphadenopathy or peritoneal effusion was present.

Dachshund

ULTRASONOGRAPHIC FINDINGS

SEX

- Possible mild ventral to ventroapical cystitis
- Mild chronic renal changes
- Coalescing medial splenic myelolipomas versus medial capsule fibrosis-incidental
- Mild benign hepatomegaly
- Mild gallbladder debris (non-mucocele)
- Minor pancreatic remodeling- age-related changes, minor remodeling owing to previous inflammation or low-grade pancreatitis possible.
- Bilateral mildly enlarged adrenals with nonspecific right adrenal nodule- right adrenal functional versus nonfunctional adenoma, benign hyperplasia suspected. Minor potential for emerging neoplasia (i.e., pheochromocytoma, adenocarcinoma or other).

Neutered Male

AGE

11.5 Years

WEIGHT

15.8 Pounds

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full adrenal work up recommended, if clinical signs (i.e., PU/PD, polyphagia, etc.) suggestive of Cushings syndrome warranted. Screening blood pressure recommended to assess for evidence of hypertension, which may allude to a right pheochromocytoma. Sonographic monitoring of the bilateral adrenal glands for evidence of progressive enlargement or nodular changes suggested.

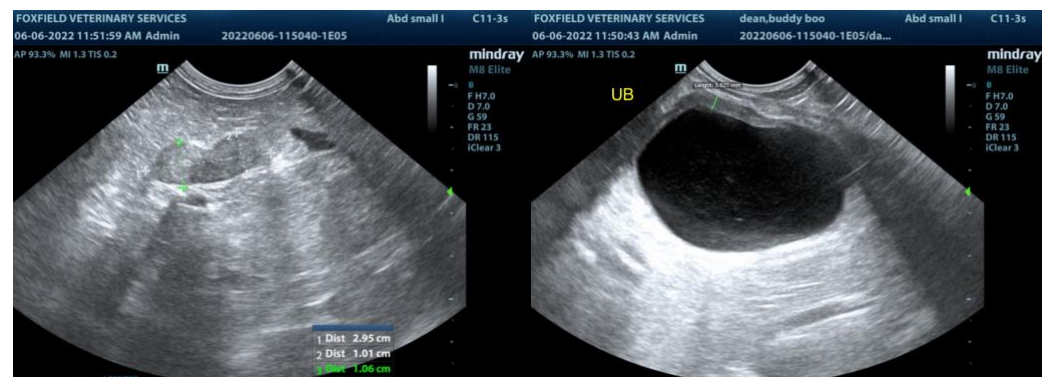
IMAGING PERFORMED BY

A. Rodriguez

Low-grade pancreatitis may be suspected, if evidence of cranial abdominal or subxiphoid discomfort on palpation. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

HOSPITAL NAME

Foxfield VS



REFERRING VET

A. Rodriguez

INVOICE

15901

DATE

6/6/22



PATIENT

Buddy Boo Dean

SPECIES

Canine

BREED

Dachshund

SEX

Neutered Male

AGE

11.5 Years

WEIGHT

15.8 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

A. Rodriguez

HOSPITAL NAME

Foxfield VS

REFERRING VET

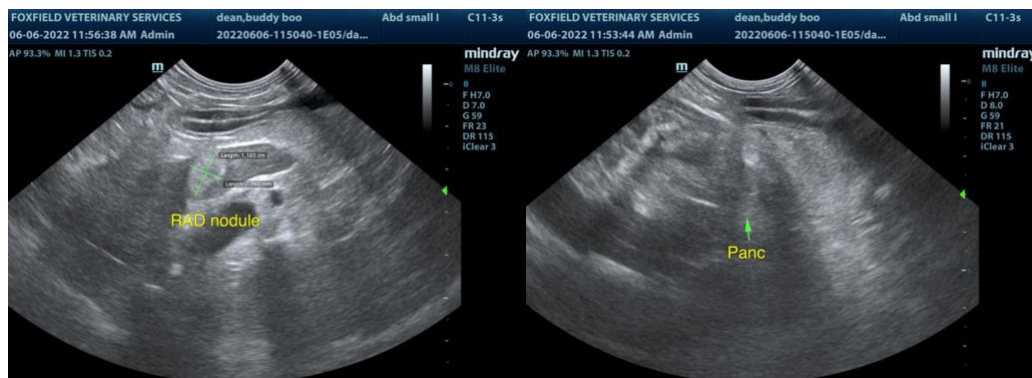
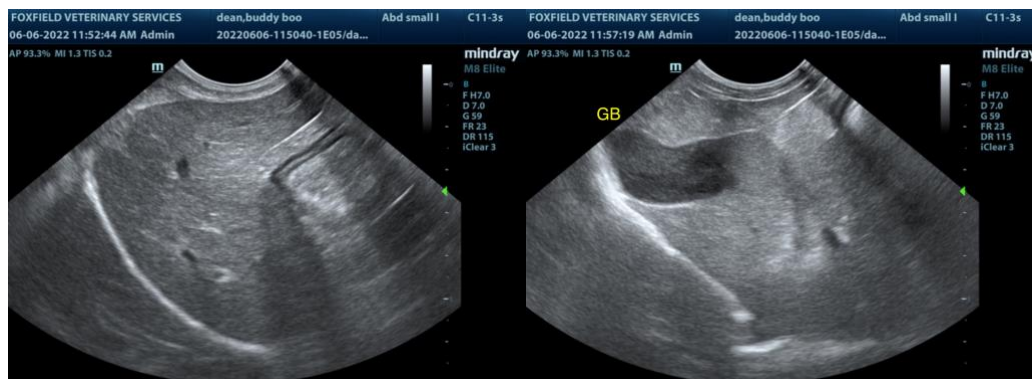
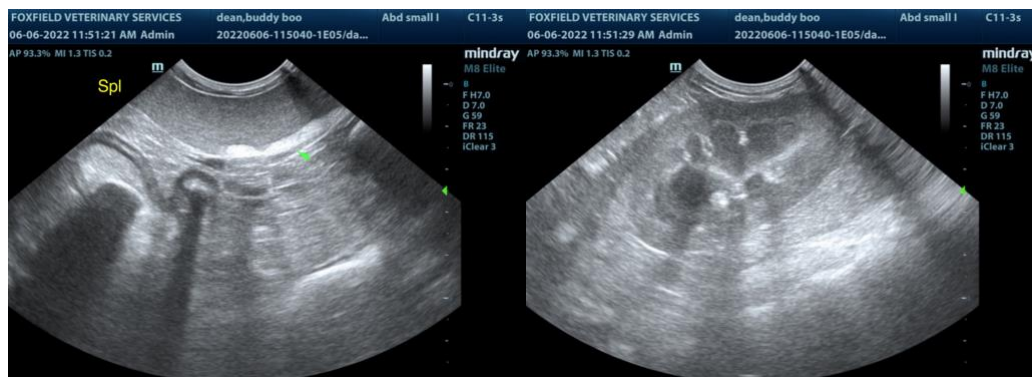
A. Rodriguez

INVOICE

15901

DATE

6/6/22



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.

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