



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Danny McIntyre	Excessive licking . Suspect renal disease and possible comorbidity of Cushings Patient had short term GA for scan
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: Severe protienuria, mild elevation of ALPK Bile acids normal.
Canine	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
<b>BREED</b>	<b>Urinary System</b>
Dachshund	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.
<b>SEX</b>	
FS	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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Bilateral pinpoint medullary mineral was present. The left kidney measured 4.5 cm in length. The right kidney measured 5.0 cm in length.
<b>AGE</b>	
11	The area of the aortic trifurcation was free of pathology.
<b>WEIGHT</b>	<b>Adrenal Glands</b>
6.4kg	Bilateral symmetrical adrenal gland enlargement with uniformly hypoechoic parenchyma was present. The left adrenal gland measured 0.65 cm width at the caudal pole and 0.62 cm width at the cranial pole. The right adrenal gland measured 0.79 cm width at the caudal pole and 0.78 cm width at the cranial pole.
<b>INTERPRETED BY</b>	<b>Spleen</b>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.
<b>IMAGING PERFORMED BY</b>	<b>Liver/Gallbladder</b>
Dr. Belan	The liver presented subjectively mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. Intermittent discrete non-disruptive hypoechoic nodules were present most likely consistent with subtle areas of hyperplasia, hematopoiesis or similar. 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.
<b>HOSPITAL NAME</b>	
Chaparell Vet Clinic	
<b>REFERRING VET</b>	
Dr. Gadzheva	
<b>INVOICE</b>	The gallbladder was mildly distended in size with primarily anechoic luminal content and mild non-dependent particulate sediment along with multifocal variably sized hyperechoic shadowing choleliths, an example of a cholelith measured 0.7 cm in diameter. The cystic and common bile ducts were normal.
13412ag	<b>Gastrointestinal</b>
<b>DATE</b>	
04/04/2023	



## PATIENT

Danny McIntyre

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.

## SPECIES

Canine

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 apparent formed feces in lumen.

## Pancreas

## BREED

Dachshund

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

## Free Abdomen

## SEX

FS

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

## AGE

11

## ULTRASONOGRAPHIC FINDINGS

- Non-specific moderate chronic renal changes.
- Bilateral mild adrenomegaly-no evidence of neoplastic criteria.
- Vacuolar hepatopathy pattern-subjectively benign.
- Heterogenous pancreas- patient/ age related variant, remodeling owing to previous inflammatory episode or mild to chronic pancreatitis possible.
- Sonographically unremarkable GI tract.

## WEIGHT

6.4kg

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## INTERPRETED BY

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

A full adrenal work up is recommended if clinical signs consistent with Cushing's syndrome are present. A screening BP is advised to assess for evidence of hypertension given proteinuria as well as mild bilateral adrenomegaly. Gastroprotectants may be considered if clinical concern for mild gastritis. A spec cPL may be considered for further clarification of the pancreas. Depending on the degree of proteinuria as well as UPC and pending additional diagnostics, empirical therapy for protein losing nephropathy with diet and ACE inhibitor medication may be indicated.

## IMAGING PERFORMED BY

Dr. Belan

## HOSPITAL NAME

Chaparell Vet Clinic

## REFERRING VET

Dr. Gadzheva

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**PATIENT**

Danny McIntyre

**SPECIES**

Canine

**BREED**

Dachshund

**SEX**

FS

**AGE**

11

**WEIGHT**

6.4kg

**INTERPRETED BY**

R. McKenzie Daniel,  
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**IMAGING PERFORMED BY**

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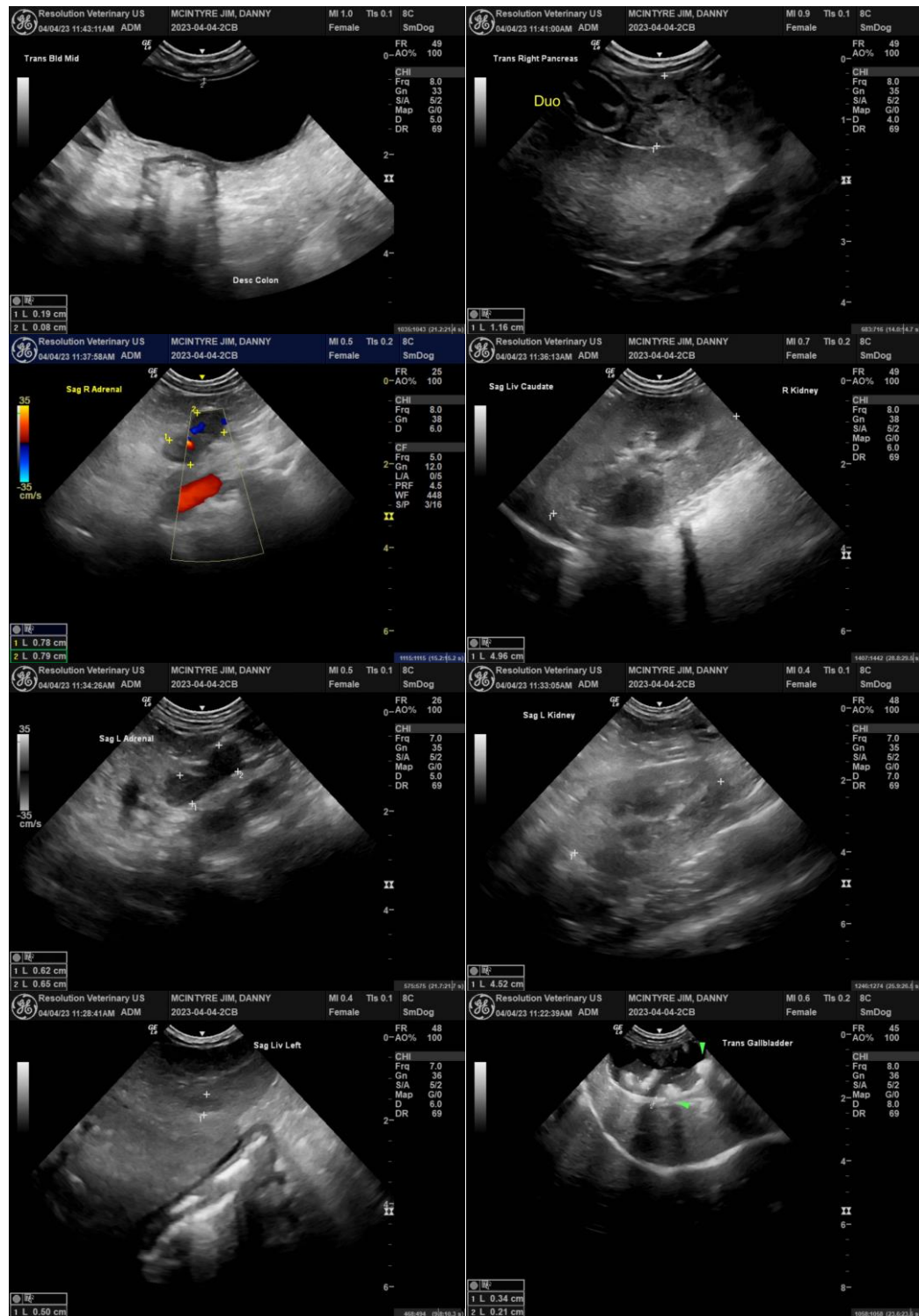
Dr. Gadzheva

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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



**PATIENT**

can be of any further assistance, please contact me.

Danny McIntyre

**SPECIES**

Canine

**BREED**

Dachshund

**SEX**

FS

**AGE**

11

**WEIGHT**

6.4kg

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