



PATIENT	PRESENTING CLINICAL SIGNS
Toby Grace Grim	<ul style="list-style-type: none"> Heart condition worsening Possible pleural and peritoneal effusion
SPECIES	<ul style="list-style-type: none"> Enalapril 2.5 mg bid, Vetmedin 1.25mg bid
Canine	Abnormal PE/Chem/CBC/UA Results: SDMA 35, BUN >130, creatinine 3.1 UA pH 5 USG 1.013
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Dachshund	Urinary System
SEX	The urinary bladder wall is normal in thickness. The mucosal surface is smooth. The bladder is moderately distended. Luminal contents are mostly anechoic. No cystic calculi are observed. The region of the trigone is normal.
Female Spayed	
AGE	The left kidney is normal in size (4.27 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild- to moderate loss of corticomedullary distinction. One- to two cortical cysts are seen. Several hyperechoic shadowing diverticular foci are observed. Trace pyelectasia is present (0.13 cm in the longitudinal plane). There is no evidence of infarcts or hydronephrosis. Renal vasculature is normal.
16	
WEIGHT	The right kidney is normal in size (4.20 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild- to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. Trace pyelectasia is present (0.10 cm in the longitudinal plane). There is no evidence of infarcts or hydronephrosis. Renal vasculature is normal.
9.5 lbs	
INTERPRETED BY	
Andrea Nicastro DVM Diplomate ACVIM (Sm Animal Internal Med)	Adrenal Glands
	The left adrenal gland is mildly enlarged (0.61 cm at cranial pole) (0.57 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.
IMAGING PERFORMED BY	
Chloe Lowe, CVT	The right adrenal gland is mildly enlarged (0.91 cm at cranial pole) (0.61 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.
HOSPITAL NAME	
Dr T Vet Care	Spleen
REFERRING VET	The spleen is normal in size (1.15 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.
Dr. Turk	Liver
INVOICE	The liver is subjectively enlarged with slightly swollen peripheral contours. The parenchyma is isoechoic relative to the spleen and diffusely homogeneous in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion.
22838	
DATE	The gallbladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common bile ducts are normal/not seen.
4-6-26	Gastrointestinal
	The gastric lumen is mildly distended with ingesta. The gastric wall and pylorus are normal in thickness with



PATIENT

Toby Grace Grim

a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

SPECIES

Canine

Pancreas

The right limb of the surrounding pancreas is visible with normal curvilinear peripheral contours. The parenchyma is slightly hyperechoic relative to omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

BREED

Dachshund

Lymph Nodes

A few prominent hypoechoic lymph nodes are observed in the left mid- to caudal abdomen (one measuring 0.54 x 0.36 cm).

SEX

Female Spayed

Free Abdomen

There is no obvious evidence of free fluid.

AGE

16

ULTRASONOGRAPHIC FINDINGS

WEIGHT

9.5 lbs

Primary Findings

- Bilateral nonspecific age-related renal changes with dystrophic mineralization and trace pyelectasia. The pyelectasia may be secondary to parenchymal remodeling, pyelonephritis, PU/PD (if applicable), fluid therapy (if applicable), or some combination thereof.

INTERPRETED BY

Andrea Nicastro DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

Secondary Findings

- The diffuse hepatic changes are most consistent with vacuolar hepatopathy (i.e., endocrine, idiopathic) with a lower possibility of inflammatory disease, infiltrative neoplasia, or other hepatopathy.
- Gallbladder changes, non-mucocele
- Mild bilateral adrenomegaly
- The pancreatic changes are most consistent with age-related parenchymal remodeling, potentially secondary to a prior inflammatory episode, early fibrosis or chronic pancreatitis.
- The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.

IMAGING PERFORMED BY

Chloe Lowe, CVT

HOSPITAL NAME

Dr T Vet Care

REFERRING VET

Dr. Turk

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the azotemia, consider the following:

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4-6-26

1. A urinalysis with a culture and sensitivity
2. UPC if proteinuria is present in the absence of infection
3. Baseline blood pressure measurement
4. Leptospirosis testing (i.e., blood and urine PCR, serology), particularly if the clinical suspicion for disease is high
5. IV fluid diuresis and supportive care with close monitoring of the patient's renal values to assess progression of the azotemia



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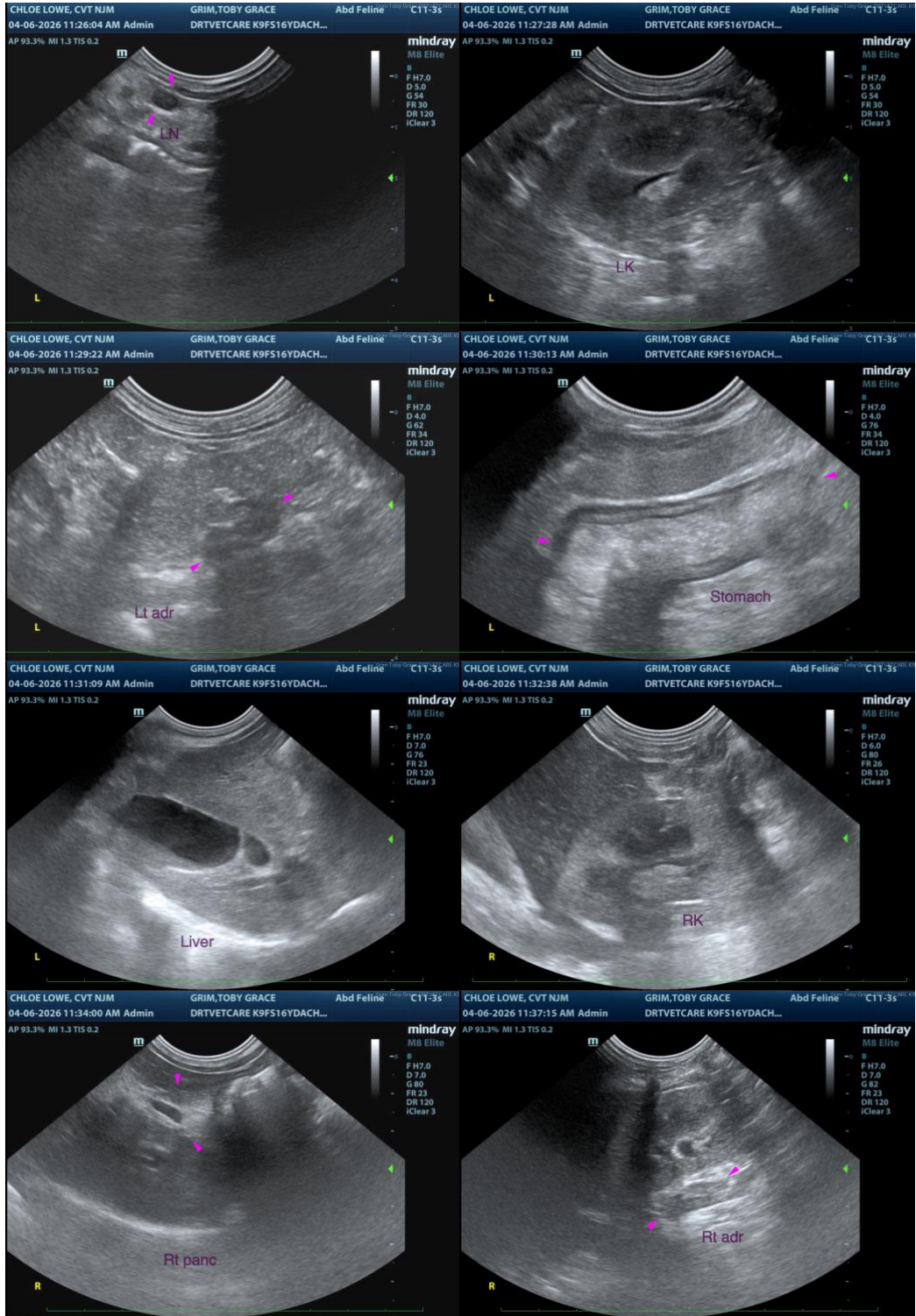
Dr. Turk

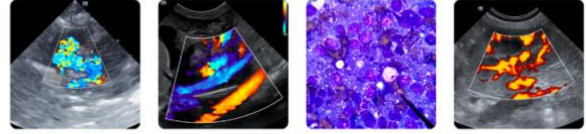
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Dachshund

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com

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