



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Brody Fries
Intermittent diarrhea, abdominal pain. Hx of vomiting too, but less common recently. O reports P has been very PUPD in the past month. Not quantified.

SPECIES Canine
Abnormal PE/Chem/CBC/UA Results: Abd discomfort, dnt dz. Labs this week> -AlkP 1700U/L -BUN 62mg/dL -Crea 1.9mg/dL BUN/Crea 33 Glu 61 Vhol 511 TriGly 300 PSL 177 the rest of chem wnl. PLT 583x10³/uL rest of CBC wnl UPC ratio 0.6, rest of UA wnl, USG1.018.

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED Dachshund
Urinary System

The urinary bladder is moderately distended with anechoic urine, and no luminal sediment is present. The ureteral papillae, trigone and pelvic urethra (visible to a depth of 3.0 cm) are of normal appearance, and the ureters are not visible (normal). No masses, calculi or mucosal irregularities are noted.

SEX

SEX Neutered Male
The prostate is diffusely enlarged measuring 4.0 cm x 2.6 cm with a hyperechoic parenchyma and smooth capsule. The prostatic urethra is not dilated.

AGE

AGE 15 Years
The left kidney is hyperechoic and exhibits moderately decreased corticomedullary differentiation. There is pinpoint mineralization present within the renal cortex. There is trace dilation of the renal pelvis with anechoic contents. There is no evidence of nephrolithiasis or hydronephrosis. The proximal ureter is not visible (normal). The left kidney measures 4.8 cm in length.

WEIGHT

WEIGHT 18.4 Pounds
The right kidney exhibits similar change, however there is no pyelectasia present. The right kidney measures 4.6 cm in length.

Adrenal Glands

INTERPRETED BY

INTERPRETED BY Tam Mengine, DVM, DABVP (canine/feline practice)
The right adrenal gland is diffusely enlarged and hyperechoic. It has normal phrenic vasculature and is found in the normal location. The right adrenal measures 5.8 mm at the cranial pole and 8.9 mm at the caudal pole.

IMAGING PERFORMED BY

IMAGING PERFORMED BY Sorbo
The left adrenal gland is identified in its normal location. It is normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. The left adrenal gland measures 3.3 mm at the cranial pole and 2.8 mm at the caudal pole.

HOSPITAL NAME

HOSPITAL NAME Metrowest Veterinary Associates
The spleen is of appropriate size and has a normal, homogenous parenchyma with a smooth, continuous capsular surface. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal.

REFERRING VET

REFERRING VET Dr. Arzt
The liver is diffusely hyperechoic and subjectively enlarged. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis.

INVOICE

INVOICE 43181
The gallbladder is markedly distended with anechoic contents and a small amount of freely-moveable echogenic sludge. The wall was thin and continuous with no focal lesions. The cystic and common bile ducts are normal / not visible.

DATE

DATE 12/3/22
The stomach is empty. The gastric wall is normal in thickness (4.8 mm) with normal deviations due to rugal folds, and exhibits appropriate wall layering. The pylorus is of normal appearance.

Gastrointestinal



PATIENT

Brody Fries

The visualized portions of the duodenum, jejunum, and ileum are of normal thickness with intact wall layering that exhibits the appropriate 1:3 muscularis to mucosa ratio. Duodenum wall measures 4.7 mm. Jejunum wall measures 4.1 mm. Intestinal motility appears normal.

SPECIES

Canine

The visible portions of the colon are of normal thickness (1.5 mm) with intact wall layering. The ileocecal junction is visualized and normal.

Pancreas

BREED

Dachshund

The areas of the limbs and body of the pancreas are isoechoic to the surrounding mesenteric fat, with normal capsular appearance. There is no evidence of peripancreatic inflammation. The pancreatic duct appears normal.

SEX

Neutered Male

Free Abdomen

There is no evidence of free fluid within the peritoneal cavity. The omentum and intra-abdominal fat are of appropriate echogenicity. Enlarged abdominal lymph nodes are not observed. The aortic trifurcation has normal blood flow with no evidence of thrombosis.

AGE

15 Years

PRIMARY FINDINGS

- Enlarged prostate
- Enlarged right adrenal gland

WEIGHT

18.4 Pounds

SECONDARY FINDINGS

- Chronic renal changes

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the prostate is concerning for prostatic neoplasia. Recommendations include:

- ❖ Urethral catheterization with prostatic massage may provide cells for cytology, and is low risk
- ❖ Ultrasound guided fine needle aspiration can be attempted, but poses the risk of seeding cells along the needle tract. If there is associated lymphadenopathy, then lymph node aspiration could be considered.
- ❖ Definitive diagnosis often requires surgical biopsy.
- ❖ NSAID therapy may provide some anti-neoplastic benefit and symptom relief.

HOSPITAL NAME

Metrowest Veterinary
Associates

The enlarged right adrenal gland could be consistent with a benign adenoma, adenocarcinoma, pheochromocytoma or hyperplastic change. Recommendations include:

- ❖ three-view chest radiographs to screen for metastasis
- ❖ blood pressure measurement to screen for pheochromocytoma
- ❖ if signs of Cushing's disease are present, then adrenal function testing (either a low-dose dexamethasone suppression test or ACTH stimulation test) is recommended
- ❖ measurement of urine catecholamine metabolites can help to identify a pheochromocytoma. Availability of this testing has been variable, but may currently be available from Marshfield Laboratories or Idexx Laboratories.
- ❖ fine needle aspiration with a 25G needle could be considered if a coagulation profile is normal.
- ❖ further assessment via CT scan would also be warranted, especially if adrenalectomy is a consideration.

REFERRING VET

Dr. Arzt

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The changes in the kidneys are consistent with chronic renal disease. Findings should be correlated with laboratory values, IRIS staging and clinical signs.

SPECIES

Canine

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Dachshund

SEX

Neutered Male

AGE

15 Years

WEIGHT

18.4 Pounds

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**IMAGING
PERFORMED BY**

Sorbo

HOSPITAL NAME

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Associates

REFERRING VET

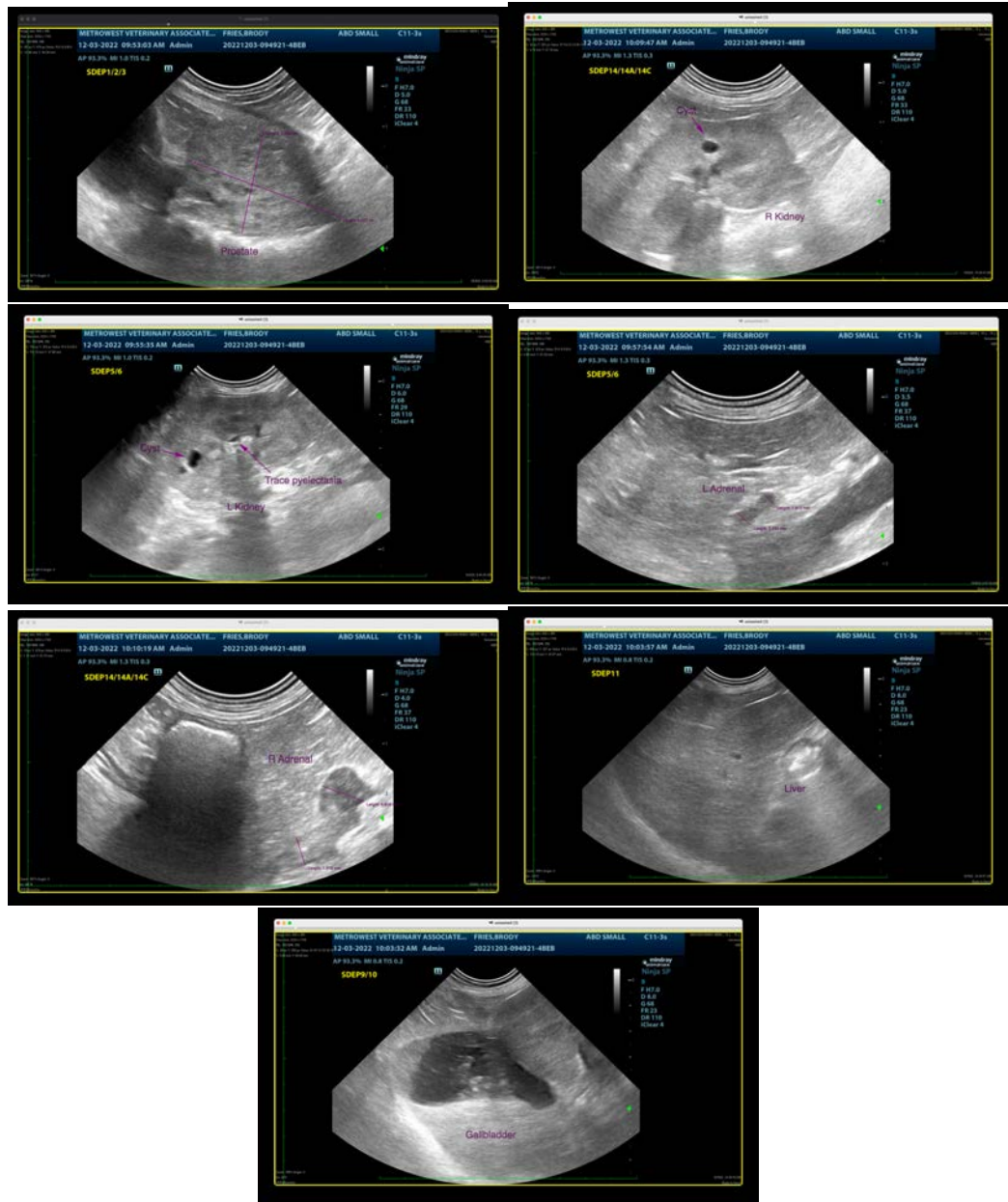
Dr. Arzt

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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 can be of any further assistance please contact me.

Tam Mengine, DVM, DABVP (canine/feline practice)

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