



PATIENT

Zoe Guzzi

SPECIES

Canine

BREED

Miniature Pinscher

SEX

Spayed Female

AGE

14 Years

WEIGHT

10 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

INVOICE

13404

DATE

10/1/21

PRESENTING CLINICAL SIGNS

History: hx of Cushing's; recheck adrenal glands today. On vetoryl 10 mg

Abnormal PE/Chem/CBC/UA Results:

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** were enlarged with multifocal anechoic cysts noted in the right kidney. The right kidney measured 5.66 cm. Macro-and micro-cystic changes were noted in the right kidney. Pyelectasia was noted in the right kidney. The left kidney measured 4.29 cm. Microcystic changes noted in the left kidney.

Adrenal Glands

The **right adrenal gland** was enlarged. The right adrenal gland measured 2.34 cm x 1.62 cm at the cranial pole and 0.49 cm at the caudal pole.

The **left adrenal gland** was significantly enlarged (increased from the prior sonogram), measuring 3.3 cm x 1.56 cm at the caudal pole and 1.57 cm at the cranial pole.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

The **liver** revealed heterogeneous parenchymal changes (similar to the prior sonogram). Non-disruptive nodules noted. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, however, ursodiol therapy recommended. No adjunctive inflammation was noted.

Gastrointestinal

Some retention of ingesta was noted in the **stomach**. The small intestine and colon were unremarkable.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS



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- Bilateral adrenal enlargement, progressive from the prior sonogram, likely owing to trilostane therapy, however, emerging neoplastic event cannot be ruled out
- Polycystic right kidney
- Liver heterogenous parenchymal changes with non-disruptive nodules
- Excessive gallbladder debris
- Stomach retention of ingesta

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Miniature Pinscher

Ursodiol therapy warranted. Blood pressure monitoring warranted as well as treatment for PDH. If hypertension is present and excessive (especially > 180), then urine catecholamine warranted as justification in addition to the cushingoid status. Either of the adrenal glands could represent pheochromocytoma. Recheck echo in 1-2 months.

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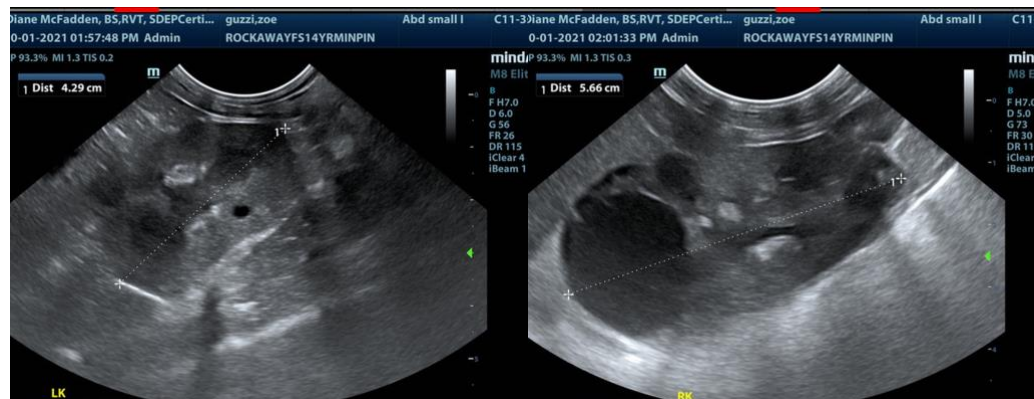
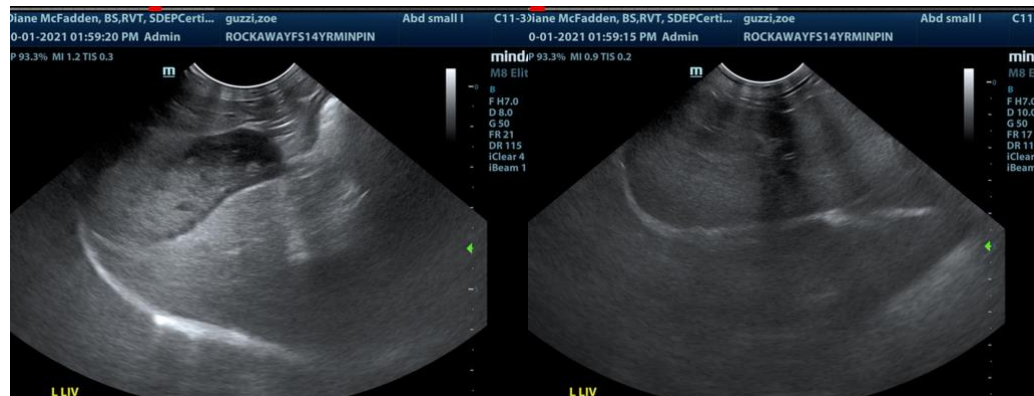
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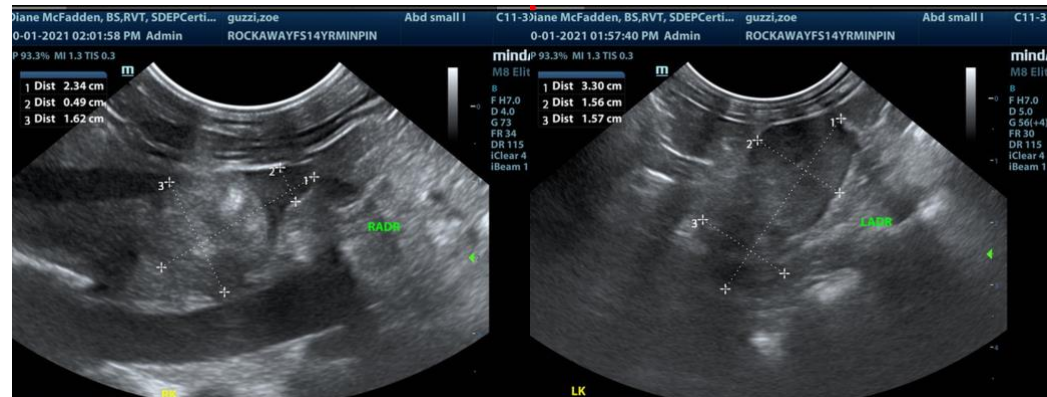
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com