



PATIENT

PRESENTING CLINICAL SIGNS

Lotus Bennett

History: Diabetic on insulin. Seems to be resistant
Abnormal PE/Chem/CBC/UA Results: BG: 438, PSL: 42, WBC: 23.5

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Domestic Shorthair

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. 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 was noted. Ureteral papillae were normal.

SEX

Spayed Female

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The left kidney measured 4.6 cm with cortical infarcts. The right kidney measured 5.12 cm with cortical infarcts.

AGE

12 years

WEIGHT

11 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.54 cm. The left adrenal gland measured 0.47 cm.

IMAGING PERFORMED BY

Dr. Rodriguez

Spleen

HOSPITAL NAME

Foxfield VS

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 was noted.

REFERRING VET

Dr. Rodriguez

Liver

INVOICE

91323

Gastrointestinal

DATE

8/18/21

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine



PATIENT	demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.
Lotus Bennett	
SPECIES	Pancreas
Feline	The pancreas was hypoechoic with undulating contour and mild duct dilation. Minor, fatty enhancement was noted. The pancreas was irregular measuring 1.0 cm in the left limb.
BREED	
Domestic Shorthair	
SEX	
Spayed Female	
AGE	
12 years	
WEIGHT	
11 lbs	
INTERPRETED BY	
Eric Lindquist, DMV DABVP, Cert. IVUSS	
IMAGING PERFORMED BY	
Dr. Rodriguez	
HOSPITAL NAME	
Foxfield VS	
REFERRING VET	
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ULTRASONOGRAPHIC FINDINGS

Chronic interstitial nephrosis with infarcts.

Undefined hepatic enlargement with mineralization.

Prominent, irregular pancreas.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

History of pancreatitis or low-grade pancreatitis is likely. I am concerned that pancreatitis is playing a primary role in dysregulation in this patient. Given that ALKP and liver enzymes are not elevated the hepatic presentation is likely stable. However, Ursodiol therapy is recommended from a preventative standpoint. Assessment for any evidence of urinary tract infection is also warranted. Subxiphoid palpation is recommended to assess for pain-solicited response. If pain is noted low grade pancreatitis is suspected.

Potential Causes of Diabetic Dysregulation

This is a suggestive checkoff list when faced with an unregulated diabetic patient:

- UTI
- Dietary indiscretion/intolerance
- Pancreatitis
- Hyperthyroidism/hypothyroidism
- Exogenous steroids (including topical eye meds)
- Cushing's
- Acromegaly
- Owner compliance
- Insulin quality issues
- Antibodies to insulin
- Underlying Neoplasia
- Diffuse liver disease



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Lotus Bennett

SPECIES

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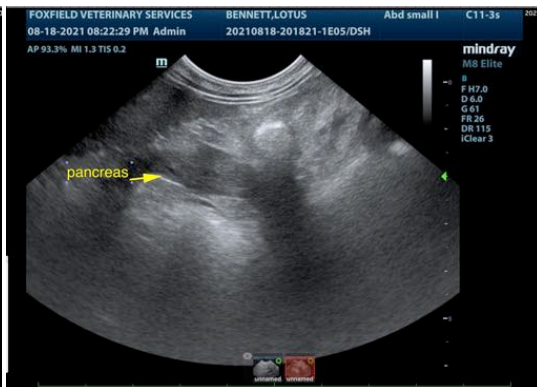
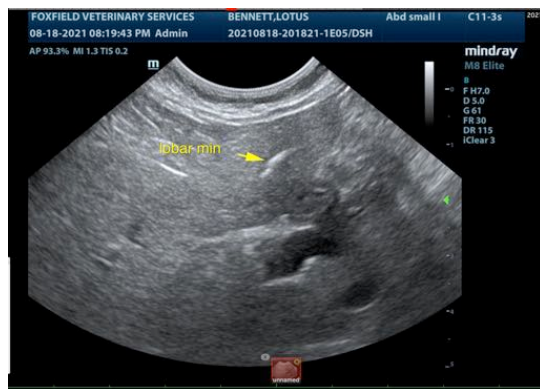
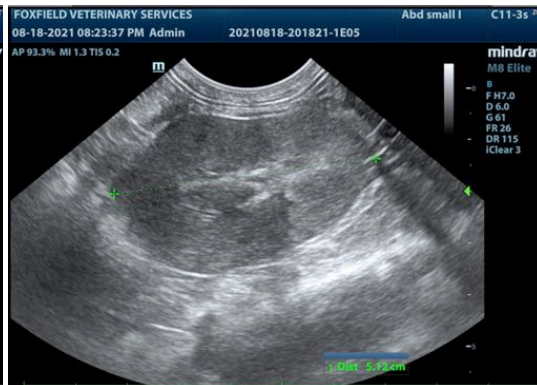
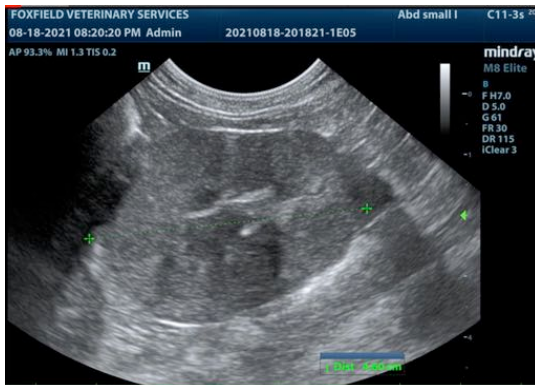
Dr. Rodriguez

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PATIENT

Lotus Bennett

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.

SPECIES

Feline

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

Domestic Shorthair

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

SEX

Spayed Female

AGE

12 years

WEIGHT

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