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Clinical Sonography & Telecytology

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DATE

11/11/22

PATIENT

Sage Smith

SPECIES

Canine

BREED

Rottweiler

SEX

Intact Female

AGE

10/27/18

WEIGHT

118.2 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Rachel Brilhart RDMS

HOSPITAL NAME

Animal Emergency
Hospital

REFERRING VET

Dr. Martinoli

INVOICE

42761

PRESENTING CLINICAL SIGNS

5 days ago was completely normal; out running with owner in corn fields while he was on 4-wheeler. The following day she was very depressed and not interested in eating; hasn't eaten since then. 2 days ago started vomiting and having small amounts liquid diarrhea. Went to rDVM yesterday; had abdominal rads (sent out to specialist for review) and bloodwork (Chem 10 and CBC,4DX, UA). Radiology report: No evidence of obstruction or pyometra; consider AUS - 4 DX - negative (ATO; not included in records sent over)- BUN - 42 - Creatinine - 4.2 - Albumin - 2.6 - Alkp - 429 - WBC - 47.6 - Neuts - 37K - UA not done

Current Medications: Unasyn, Metoclopramide, Buprenorphine.

Lab Results: UA- active.

Radiographs: No evidence of obstruction or pyometra; consider AUS

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** was overdistended at the time of the sonogram, unremarkable otherwise.

The **kidneys** were swollen. The right kidney measured 11.52 cm with loss of corticomedullary definition. Slight pyelectasia noted. The left kidney measured 8.86 cm.

Adrenal Glands

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 3.56 cm x 1.13 cm at the caudal pole and 1.05 cm at the cranial pole. The left adrenal gland measured 3.03 cm x 0.65 cm at the caudal pole and 0.62 cm at the cranial pole.

Spleen

The **spleen** presented subtle micronodular changes, minor uniform enlargement.

Liver

The **liver** was swollen with increased portal markings. The gallbladder and common bile duct are unremarkable.

Gastrointestinal

Gastric stasis noted with a large amount of luminal fluid. 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.

Other

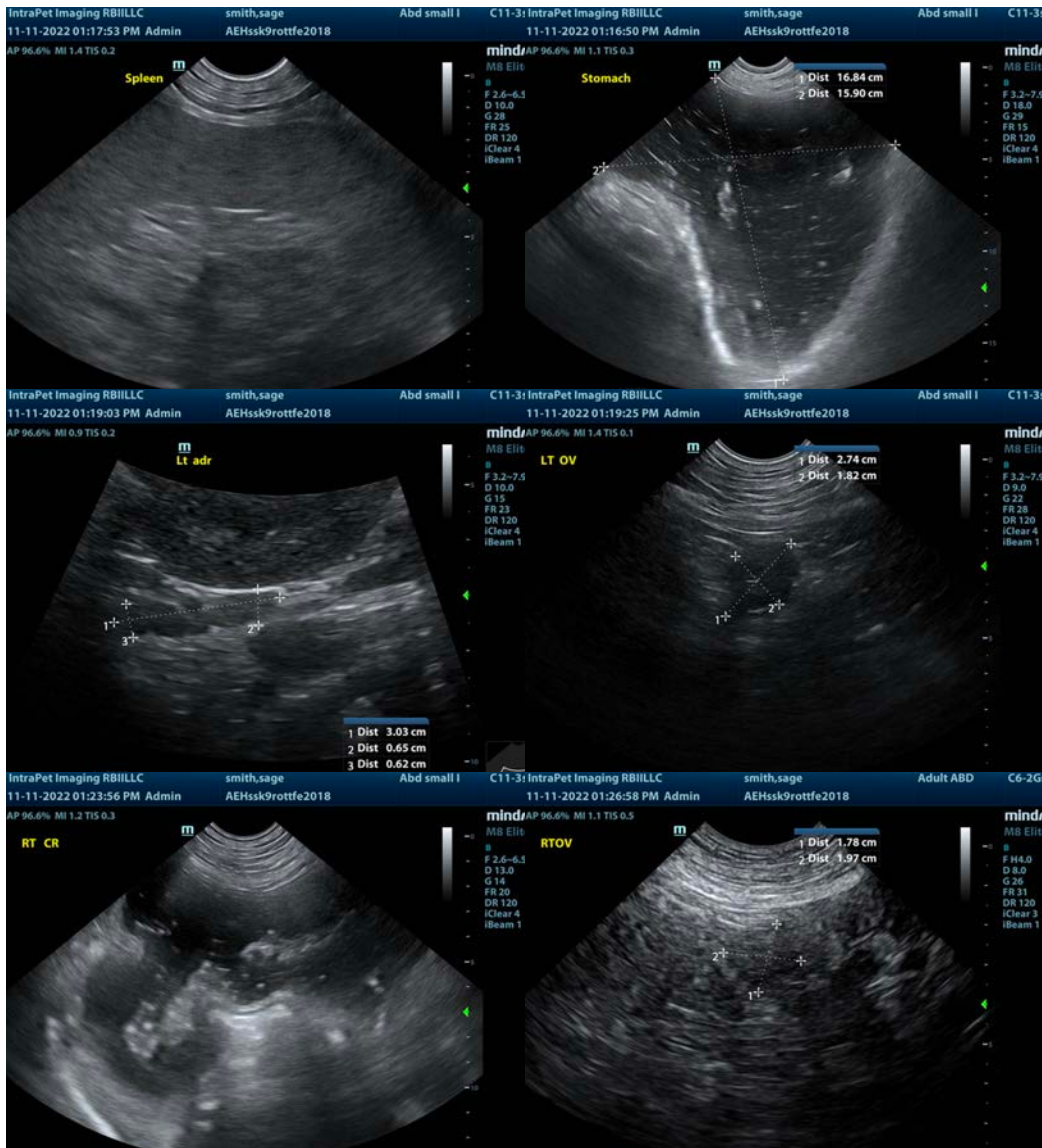
The uterus was empty and uniform, measuring 1.0 cm. The right ovary was uniform at 1.97 cm. The left ovary measured 2.74 cm x 1.82 cm.

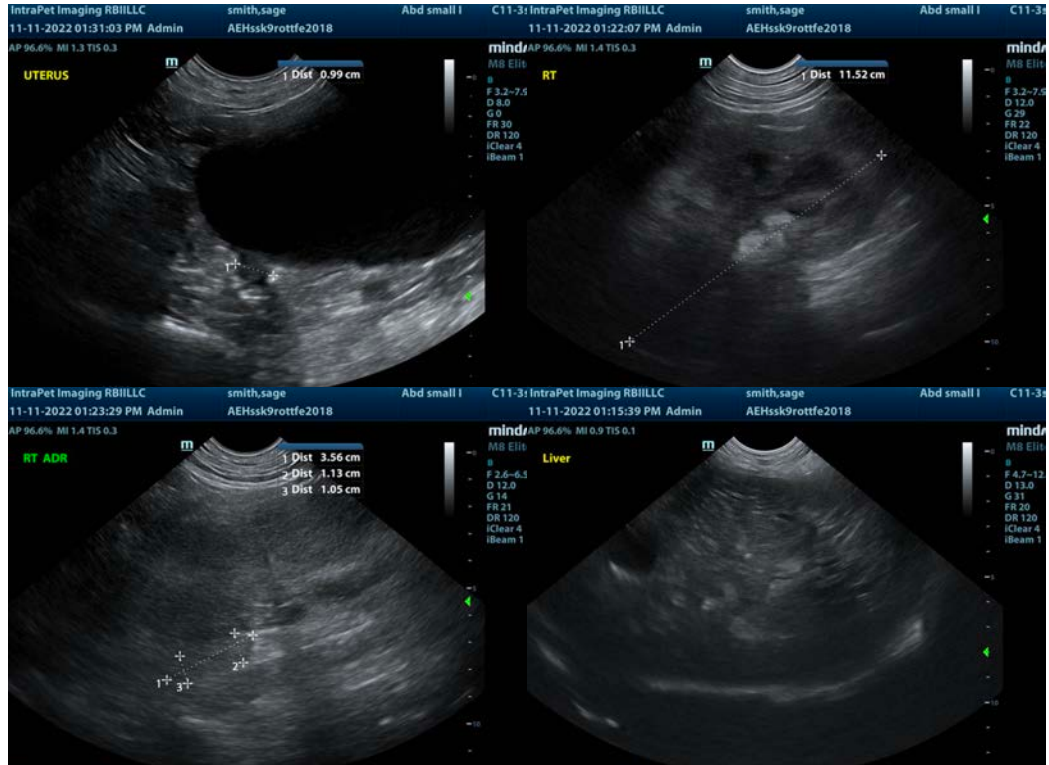
ULTRASONOGRAPHIC FINDINGS

- Swollen kidneys
- Enlarged liver with increased portal markings
- Micronodular spleen
- Overdistended urinary bladder
- Gastric stasis

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Strong concern for multicentric round cell neoplasia with paraneoplastic emerging renal failure. FNA spleen and liver +/- renal cortex all indicated. Prognosis is very guarded. Supportive care for GI upset and azotemia warranted in the meantime. Systemic infection possible yet less likely. Sampling is essential in this patient.





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.

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