



PATIENT

Coco Stearns

SPECIES

Canine

BREED

Chihuahua X

SEX

Female, unknown
spay status

AGE

8 Years

WEIGHT

19 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Julia Bakker

HOSPITAL NAME

Orange Blossom VI

REFERRING VET

Dr. Ronni Tudin

INVOICE

44810

DATE

8/18/23

PRESENTING CLINICAL SIGNS

Patient was adopted and believed to be spayed at that time. Patient then proceeded to have periodic "heats" with bloody discharge and slight vulvar enlargement. Has been prone to UTIs. No apparent spay scar on exam. Screening for presence of reproductive organs.

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 **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Hyperechoic medullary rim sign noted in both kidneys. The right kidney measured 4.9 cm. The left kidney measured 4.86 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 left adrenal gland measured 2.1 cm x 0.40 cm at the cranial pole and 0.48 cm at the caudal pole. The right adrenal gland measured 0.70 cm at the cranial pole and 0.47 cm at the caudal pole.

Spleen

The **spleen** was folded upon itself caudally, which is a normal variant, and 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** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

Gastrointestinal

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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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Pancreas

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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.

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Free Abdomen

Chihuahua X

The uterus was visualized at 0.55 cm and appeared to be slightly thickened at the level of the cystourethral junction measuring 0.70 cm. Regions of the ovarian fossae were unremarkable. No obvious ovarian remnant present. Only the uterine base was noted, and I cannot rule out a low-grade stump pyometra, yet I would expect ovarian remnant in that case.

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ULTRASONOGRAPHIC FINDINGS

- Possible low-grade stump pyometra
- Age related renal and hepatic changes
- Folded spleen

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Examination of the vaginal vestibule for underlying predisposing issues, and hormonal testing indicated. Recommend repeating the sonogram when the patient is demonstrating active heat signs. Broad-spectrum antibiotics such as Enrofloxacin or similar could be considered to treat for low-grade stump pyometra and vulval/vaginal infection and reassessment of the clinical signs. Progesterone testing could be considered as well.

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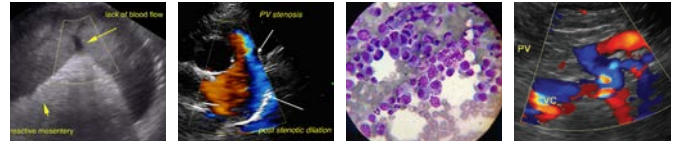
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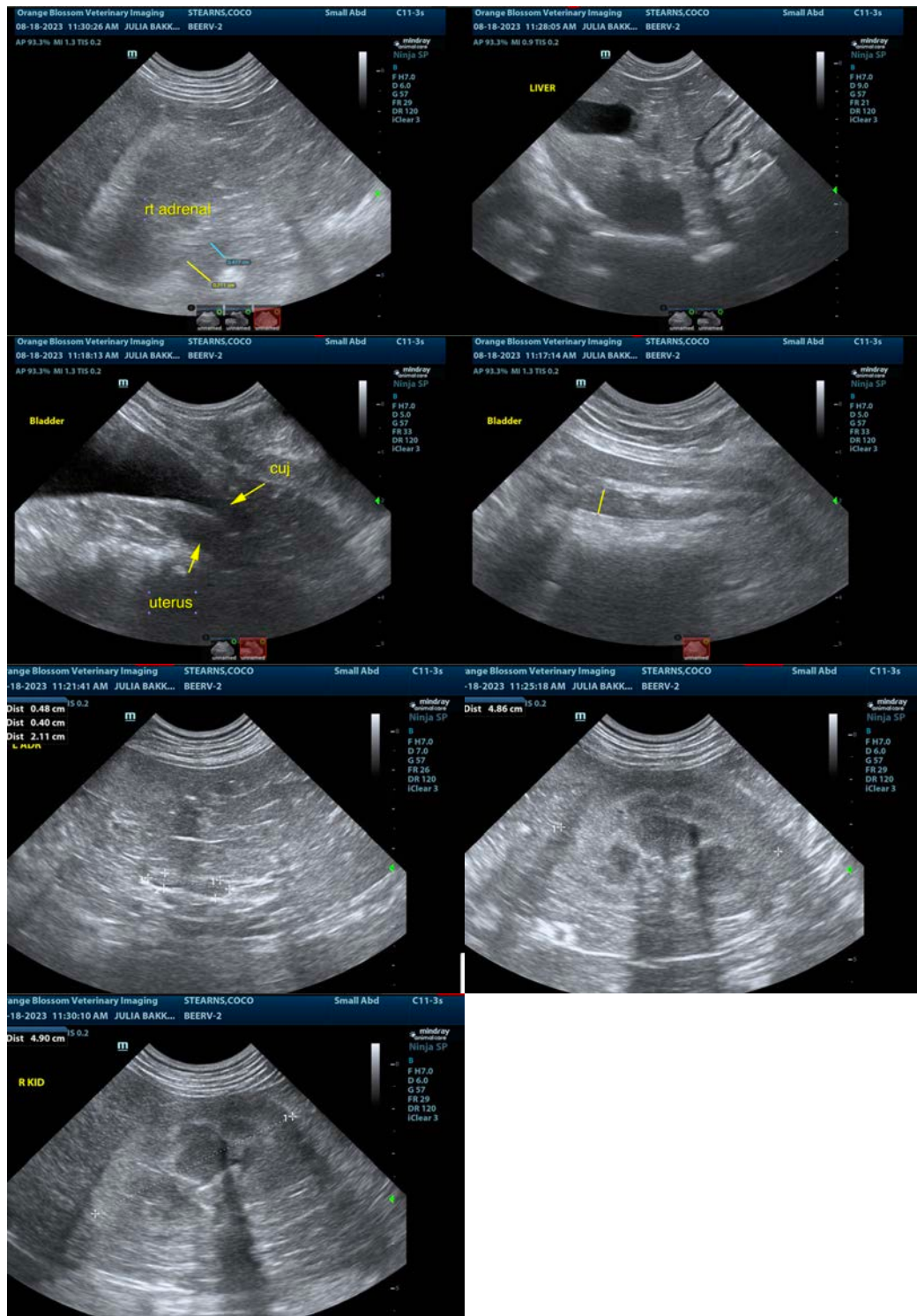
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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info@SonoPath.com

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