



PATIENT PRESENTING CLINICAL SIGNS

Joy Nickless History: Pyometra.
Physical Examination: N/A.
SPECIES Urinalysis: N/A
Canine CBC: N/A.
BREED Serum Biochemistry: Elevated liver enzyme activity and bilirubin.
Shih Tzu Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Intact Female
Age 4 years
Full urinary bladder with a normal thickness and appearance of the wall. Moderate amount of floating hyperechogenic sediment present. No uroliths evident.
Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.
WEIGHT 9 #
Normal iliac lymph nodes. Ureters not visualized.
Normal renal size (left 4 cm, right 4.4 cm), echogenic appearance, cortico-medullary differentiation, pelvis and capsule.

INTERPRETED BY

Remo Lobetti, BVSc,
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ECVIM

Reproductive System

Normal size and appearance of the ovaries (left 0.8 cm, right 0.7 cm). Small cyst on the right ovary. Mildly fluid-filled body (0.8 cm) and horns (left 0.5 cm, right 0.8 cm) of the uterus with normal wall thickness and intact layering detail. Normal appearance of the surrounding mesentery.

IMAGING PERFORMED BY

Sonya Myers, DVM

Adrenal Glands

Normal position, echogenic appearance, shape, and size. Left 0.53/0.3 cm, right 0.45 cm.

HOSPITAL NAME

Spleen

Normal size (1.3 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

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REFERRING VET

Dr Williams

Liver

INVOICE

303774

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.1 cm).

DATE

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Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.32 cm, duodenum 0.29 cm, jejunum 0.26 cm, colon 0.22 cm) and peristaltic activity, and no distension of the lumen.



PATIENT *Pancreas*

Joy Nickless Normal size (right 0.9 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine Normal mesenteric lymph nodes (1.6 cm).
No ascites.

BREED

Shih Tzu

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Uterine pathology.

Secondary Findings:

- Urinary bladder sediment.

SEX

Intact Female

Age

4 years

WEIGHT

9 #

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the uterus would be metritis, pyometra, mucometra, and cystic-endometrial hyperplasia complex.

Although the liver appears ultrasonographically normal, with the elevated liver enzyme activity and bilirubin acute hepatitis (secondary to the uterine pathology, viral, bacterial, toxins) and leptospirosis needs to be considered.

Further assessment would be urinalysis, Leptospira serology/PCR, and FNA cytology of the liver.

Specific therapy would be ovariohysterectomy.

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PATIENT IMAGES

Joy Nickless **Urinary bladder**

SPECIES

Canine

BREED

Shih Tzu

SEX

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Age

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Uterus

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IMAGING PERFORMED BY

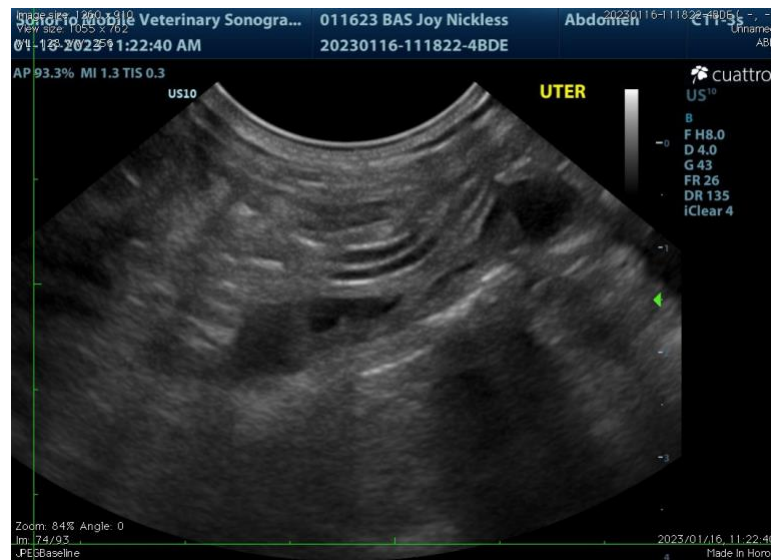
Sonya Myers, DVM

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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.

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