



PATIENT PRESENTING CLINICAL SIGNS

Sierra Guignon History: Acute onset vomiting, stranguria. On Deramaxx and gabapentin for DJD.

SPECIES Physical Examination: Dehydration, apparent stranguria, overweight, tense abdomen, tachycardia.

Canine Urinalysis: N/A.

BREED CBC: Non-regenerative anemia, neutrophilia.

Rottweiler Serum Biochemistry: Mild azotemia.

Radiographic Findings: N/A.

SEX

Female

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

AGE

12 years

Urinary System

Full urinary bladder with a normal thickness and appearance of the wall. Small amount of floating hyperechogenic sediment. No uroliths evident.

WEIGHT

44.2 kg

Normal trigone area and iliac blood vessels. Dilated proximal urethra (1.4 cm).

Normal iliac lymph nodes. Ureters not visualized.

INTERPRETED BY

Remo Lobetti, BVSc,
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Normal renal size (left 7.5 cm, right 7.8 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and right pelvis. Left pyelectasia (0.33 cm).

Reproductive System

Cystic appearance of the left ovary (2.6 cm). Visible uterine horns and body containing small amount of fluid.

IMAGING PERFORMED BY

Dr Alastair Westcott,
DVM

Adrenal Glands

Normal shape, size, echogenic appearance, and position. Left 2.39 x 0.5/0.59 cm.

HOSPITAL NAME

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. Focal mottled echogenic parenchymal mass (5.2 x 3 cm) in the tail of the spleen.

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Liver

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Small gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

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Gastrointestinal

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Normal appearance of the pylorus, stomach, duodenum, small intestine, ileo-cecal junction, and colon with normal thickness, layering and peristaltic activity and no distension of the lumen.



PATIENT *Pancreas*

Sierra Guignon Normal size (left 1.5 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.

BREED Hyperechogenic and nodular appearance of the mesentery in the caudal abdomen and associated with the right kidney.

Rottweiler Cellular ascites around the urinary bladder and uterine body.

ULTRASONOGRAPHIC FINDINGS

SEX Primary Findings:

- Female
- Caudal abdomen peritonitis.
 - Uterine pathology.
 - Dilated urethra.
 - Splenic mass.

AGE

12 years

WEIGHT Secondary Findings:

- 44.2 kg
- Urinary bladder sediment.
 - Cystic ovary.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

With the appearance of the caudal abdomen and presence of fluid within the uterus, pyometria with secondary bacterial peritonitis would be the most likely diagnosis, with colonic or urinary bladder perforation differential diagnoses.

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Although the dilated proximal urethra may be an incidental finding, intra-pelvic pathology (abscess, hematoma, granuloma, neoplasia) should be considered.

HOSPITAL NAME

Etiologies for the splenic mass would be abscess, granuloma, hematoma, and neoplasia.

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Further assessment would be analysis of the abdominal fluid and ideally a laparotomy, which could be both diagnostic and therapeutic.

Specific therapy would be dependent on an etiological diagnosis.

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PATIENT IMAGES

Sierra Guignon **Urethra**

SPECIES

Canine

BREED

Rottweiler

SEX

Female

AGE

12 years

WEIGHT

44.2 kg

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Spleen





PATIENT Abdominal cavity

Sierra Guignon

SPECIES

Canine

BREED

Rottweiler

SEX

Female

AGE

12 years

WEIGHT

44.2 kg

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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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