



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Marley Brinegar History: Vomiting past 48 hours, lethargy, and anorexia. Pyometria surgery 10 days ago.

**SPECIES** Physical Examination: N/A.

Canine Urinalysis: N/A

CBC: Leukocytosis.

**BREED** Serum Biochemistry: N/A.

American bulldog Radiographic Findings: N/A.

**SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

FS **Urinary System**

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

9 years Normal trigone area, proximal urethra (0.4 cm), and iliac blood vessels.

**WEIGHT** Iliac lymphadenomegaly (left 0.9 x 2.1 cm, right 0.7 x 3.2 cm) with normal shape and echogenic appearance. Ureters not visualized.

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**INTERPRETED BY** Normal renal size (left 6.2 cm, right 6.3 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

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**Reproductive System**

Normal post-surgery appearance of the uterine stump.

**IMAGING PERFORMED BY Adrenal Glands**

Sonya Myers, DVM Normal position, echogenic appearance, and shape but plump in size. Left 0.74/0.58 cm, right 0.6/0.75 cm.

**HOSPITAL NAME Spleen**

Oviedo Veterinary Care and Emergency Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET Liver**

Dr Jones

**INVOICE** 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 echogenic appearance of the gall bladder wall. Normal bile duct (0.3 cm).

303755

**DATE**

1/11/23


**PATIENT** *Gastrointestinal*

Marley Brinegar

**SPECIES**

Canine

**BREED**

American bulldog

**SEX**

FS

**Age**

9 years

**WEIGHT**

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**IMAGING PERFORMED BY**

Sonya Myers, DVM

**HOSPITAL NAME**

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 Emergency

**REFERRING VET**

Dr Jones

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Normal appearance of the duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.38 cm, jejunum 0.34 cm, colon 0.23 cm) and reduced peristaltic activity. Fluid distended small intestine with no obvious obstruction evident. Segmental thickening of the gastric wall (up to 0.61 cm) with no loss of layering. Moderate amount of fluid within the stomach. Large amount of liquid feces within the colon.

*Pancreas*

Normal size (1.3 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

*Free Abdomen*

Mesenteric lymphadenomegaly (0.6 x 4.2 cm) with normal shape and echogenic appearance. No ascites.

Free gas within the abdominal cavity.

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Gastritis.
- Ileus.
- Lymphadenomegaly.
- Adrenomegaly.

Secondary Findings:

- Free gas in the abdomen.
- Urinary bladder sediment.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the gastritis would be non-specific (viral, bacterial, helminths, toxins, medications, dietary indiscretion), inflammatory bowel disease, ulcerative disease, *Helicobacter* gastritis.

The most likely etiology for the mesenteric lymphadenomegaly would be secondary to the recent surgery with lymphadenitis a differential diagnosis.

The most likely etiology for the adrenomegaly would be disease stress with emerging Cushing's disease a differential diagnosis.

Although the free gas in the abdomen may be from the recent surgery, the time frame may be too long and early peritonitis needs to be considered.

Further assessment would be fecal analysis and serum electrolytes.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management would be fluid therapy, correction of electrolyte anomalies (if needed), metoclopramide, and intestinal binders/absorbents.



**PATIENT**      **IMAGES**  
 Marley Brinegar      **Stomach**

**SPECIES**

Canine

**BREED**

American bulldog

**SEX**

FS

**Age**

9 years

**WEIGHT**

35 #



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**Small intestine**



**IMAGING PERFORMED BY**

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**PATIENT** Lymph nodes

Marley Brinegar

**SPECIES**

Canine

**BREED**

American bulldog

**SEX**

FS

**Age**

9 years

**WEIGHT**

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**REFERRING VET**

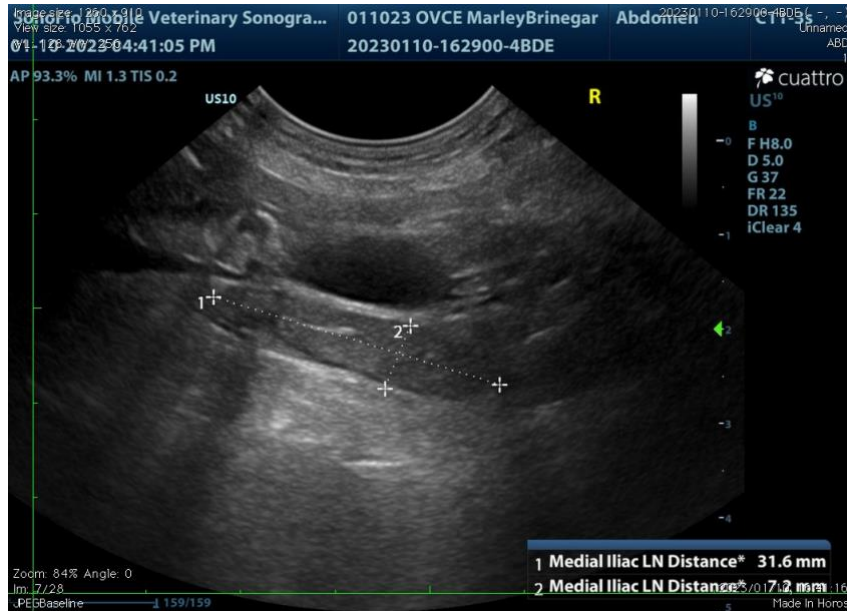
Dr Jones

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**PATIENT** Abdomen

Marley Brinegar

**SPECIES**

Canine

**BREED**

American bulldog

**SEX**

FS

**Age**

9 years

**WEIGHT**

35 #



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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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