



**PATIENT PRESENTING CLINICAL SIGNS**

Luigi Maltorell  
Cradona  
History: Luigi presented Oct 4th, 2021 to evaluate as pt ingested something and pt was lethargic. Abd rads showed metallic fine material that appears to be in the colon. An enema was given on Oct 4th. Pt was fasted for 2 days. Pt presented on Oct 5th with ptyalism and injected sclera bilateral. Recheck rads were taken and no mineral material was seen.

**SPECIES**

Canine  
Abnormal PE/Chem/CBC/UA Results: Abdominal rads: no obvious abnormalities Bilirubinuria Mild thrombocytopenia Icteric serum Increased Sodium , BUN 4DX: negative FNA was done of the mass ( lymph node) mesenteric: Pending

**BREED**

Golden Retriever

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary system**

**SEX**

Intact Male

The urinary bladder is mildly filled and presents a mildly thickened wall with a prominent hyperechoic inner outline. Trigone and pelvic urethra present normal findings without evidence of uroliths or sediment. Wall layering is intact on all views. Ureters are not visualized and considered to be normal.

**AGE**

11 Months

Both kidneys are inconspicuous with a clear corticomedullary definition. Renal pelvis and exit to the ureters are unremarkable.

**Reproductive tract**

The prostate is symmetric and bi-lobulated, homogeneous and appears smoothly margined.

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

**Adrenal glands**

Both adrenal glands are normal.

**Spleen**

Splenic margins are moderately rounded. Splenic echogenic texture is homogeneous without protrusions of the capsule. Splenic vasculature presents normal course of vessels and unremarkable perfusion of the splenic veins.

**HOSPITAL NAME**

Paseos VC

**Liver/Gallbladder**

**REFERRING VET**

Dr. Franco Ortiz

Liver echotexture appears mildly and diffusely hypoechoic. Size and vasculature appear regular. Evidence of nodular or focal changes is not visible.

The gallbladder and wall are unremarkable without signs of relevant sludge, a florid process or cholestasis.

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**Gastrointestinal**

**DATE**

10/6/21



**PATIENT**

Luigi Maltorell  
Cradona

The stomach, the small intestine and colon present intact wall layers being normal in width and echogenicity. Adjacent mesentery and fat tissue are of normal appearance. There is no overt evidence of an ileus, a fluid or even neoplastic process.

**SPECIES**

Canine

Mesenteric lymph nodes are moderately enlarged and inhomogeneous. A mildly irregular shape is noted. The direct periphery is unremarkable.

**Pancreas**

All pancreatic parts displayed show isoechoic echogenicity to the surrounding omental fat. Signs of inflammatory changes or focal lesions are missing.

**BREED**

Golden Retriever

**Free Abdomen**

There is no peritoneal or retroperitoneal effusion noted. Abdominal fat and great vessels show no pathological findings.

**SEX**

Intact Male

The medial iliac lymph nodes are moderately enlarged but present a regular shape. Echogenicity shows a small hypodense subcapsular rim.

**AGE**

11 Months

**ULTRASONOGRAPHIC FINDINGS**

**PRIMARY**

- Mesenteric and medial iliac lymphadenomegaly
- Thickened and hyperechoic urinary bladder wall

**SECONDARY**

- Mildly hypoechoic liver
- Mild unspecific splenomegaly

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**REFERRING VET**

Dr. Franco Ortiz

Changes of the medial iliac lymph nodes show an even and symmetric enlargement. The hypoechoic subcapsular rim is consistent with mild reactive inflammation. The latter could be located in the urinary bladder and/or the prostate. Clinical relevance is questionable.

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The enlargement of the mesenteric lymph nodes speaks for a more relevant inflammatory process as commonly seen with bacterial/parasitic infection of the intestines. FNA (already performed) is recommended for confirmation. Stomach and small intestine including pancreas and gallbladder represent normal findings which does not exclude infectious disease.

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Ultrasonographic findings of the urinary bladder are suspicious for cystitis from a sonographic point of view. This finding must be correlated with the clinical presentation. Cystocentesis for urine culture/cytology as well as a follow-up ultrasound in 3 weeks after initial/empiric therapy could be the next diagnostic steps.

**SPECIES**

Canine

Detection of diffuse liver disease is difficult. The hypoechoic appearance of the liver may be normal due to age and scanning issues. Acute hepatitis would be a differential diagnosis but that needs to match with other findings like hyperthermia, elevated liver enzymes, leukocytosis etc. Otherwise, sonographic recheck in 3 weeks and FNA of the liver may be beneficial.

**BREED**

Golden Retriever

Splenomegaly is an unspecific and common finding in young dogs without further relevance. Enlargement secondary to systemic inflammatory/infectious disease is possible.

**SEX**

Intact Male

**AGE**

11 Months

**INTERPRETED BY**

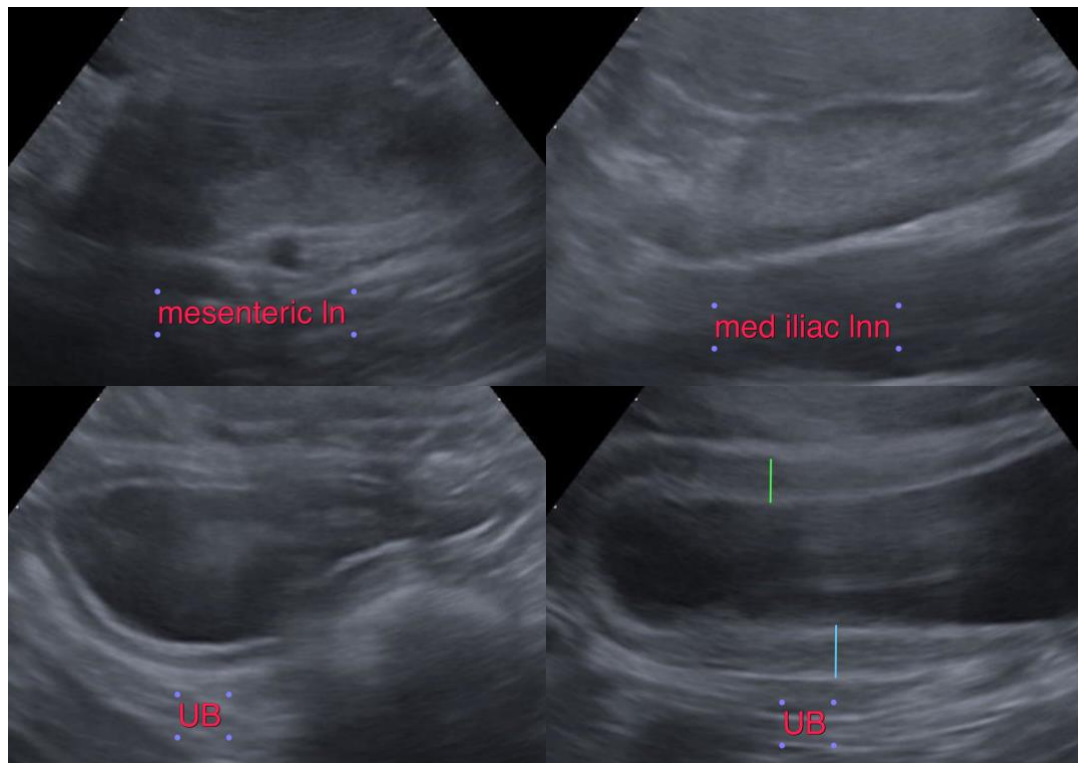
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if

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**PATIENT** I can be of any further assistance please contact me.

Luigi Maltorell  
Cradona **Sebastian Jawinski**, German Board Certified Vet Specialist in Diagnostic Imaging  
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