



PATIENT PRESENTING CLINICAL SIGNS

Nikita Galarce History: Vomiting, melena, mastitis, possible pyometra, abdominal tumors.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: N/A.

Yorkshire terrier Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Intact Female **Urinary System**

Age Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

12 years Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.

WEIGHT Normal iliac lymph nodes (1 cm). Ureters not visualized.

12 # Normal renal size (left 4.5 cm right 4.7 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

INTERPRETED BY **Reproductive System**

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM Normal appearance of the uterus (0.6 cm) and ovaries – left 1.1 cm, right 1.2 cm.

IMAGING PERFORMED BY **Adrenal Glands**

Sonya Myers, DVM Normal shape, echogenic appearance, and position but bilaterally enlarged. Left 0.0.78/0.63cm, right 0.78/0.8 cm.

HOSPITAL NAME **Spleen**

Oviedo Veterinary Care and Emergency Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvilinear capsule, and normal vasculature. Focal isoechogenic round parenchymal vascularized mass (1 x 1 .1 cm) in the tail of the spleen with bulging of the overlying capsule. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

REFERRING VET **Liver**

Dr Caja

INVOICE Enlarged with rounded edges, diffuse mottled echogenic appearance, some loss of portal markings, and regular curvilinear capsule. Multiple poorly defined irregular mottled echogenic cavitory parenchymal masses (up to 2.5 x 3.1 cm). Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.2 cm).

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PATIENT *Gastrointestinal*

Nikita Galarce

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.47 cm, duodenum 0.5 cm, jejunum 0.49, colon 0.23 cm) and peristaltic activity, and no distension of the lumen. Patchy mucosal stippling of the small intestine.

SPECIES

Canine

Pancreas
BREED

Yorkshire terrier

Enlarged (left 0.6 cm, right 1 cm) and irregular with a diffuse hyperechogenic appearance. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen
SEX

Intact Female

Mottled echogenic irregular mammary mass (1.3 x 3.9 cm).

Normal mesenteric lymph nodes (1.9 cm).

Age

12 years

No ascites.

ULTRASONOGRAPHIC FINDINGS
Primary Findings:

- Hepatic masses.
- Hepatopathy.
- Bilateral adrenomegaly.
- Splenic nodule.
- Pancreatitis
- Enteropathy.

Secondary Findings:

- Age-related renal changes.
- Mammary mass.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

With the mammary mass, multiple hepatic masses, and splenic nodule, metastatic mammary neoplasia would be an important consideration.

Etiologies for the hepatopathy would be secondary to the masses and/or pancreatitis, vacuolar, reactive, hyperplasia, and chronic hepatitis.

The appearance of the pancreas is consistent with chronic pancreatitis.

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

Etiologies for the enteropathy would be primary lymphangectasia, inflammatory bowel disease, parasitic enteritis, and dietary hypersensitivity.

Initial further assessment would be fecal analysis, 3-view thoracic radiographs, cPL/PSL assay, and FNA cytology of the mammary mass, hepatic masses, liver, and splenic nodule.

Specific therapy would be dependent on an etiological diagnosis.

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REFERRING VET

Dr Caja

HOSPITAL NAME

 Oviedo Veterinary Care and
 Emergency

IMAGING PERFORMED BY

Sonya Myers, DVM

INTERPRETED BY

 Remo Lobetti, BVSc,
 MMedVet (Med), PhD, Dipl.
 ECVIM

WEIGHT

12 #



PATIENT IMAGES

Nikita Galarce

Liver

SPECIES

Canine

BREED

Yorkshire terrier

SEX

Intact Female

Age

12 years

WEIGHT

12 #

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PATIENT Spleen

Nikita Galarce

SPECIES

Canine

BREED

Yorkshire terrier

SEX

Intact Female

Age

12 years

WEIGHT

12 #



Pancreas

INTERPRETED BY

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IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

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REFERRING VET

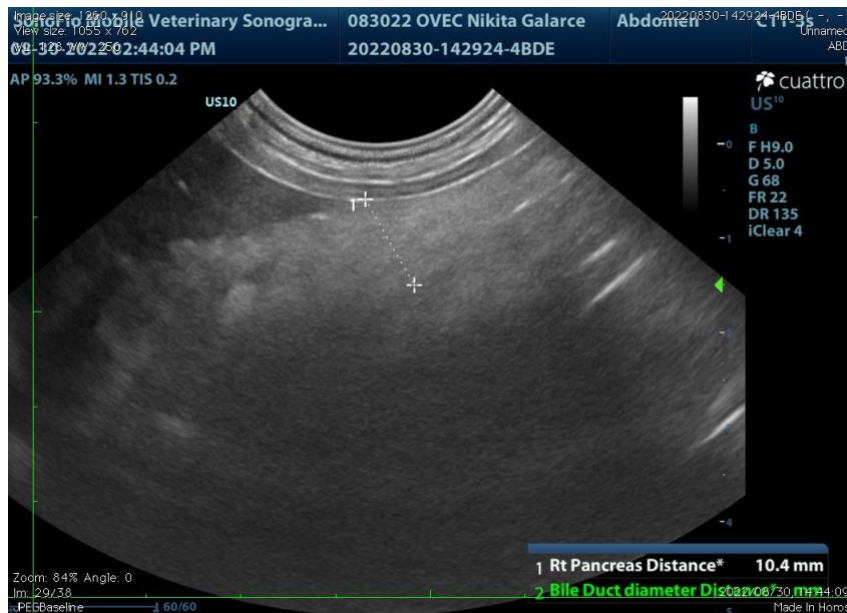
Dr Caja

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PATIENT

Mammary mass

Nikita Galarce

SPECIES

Canine

BREED

Yorkshire terrier

SEX

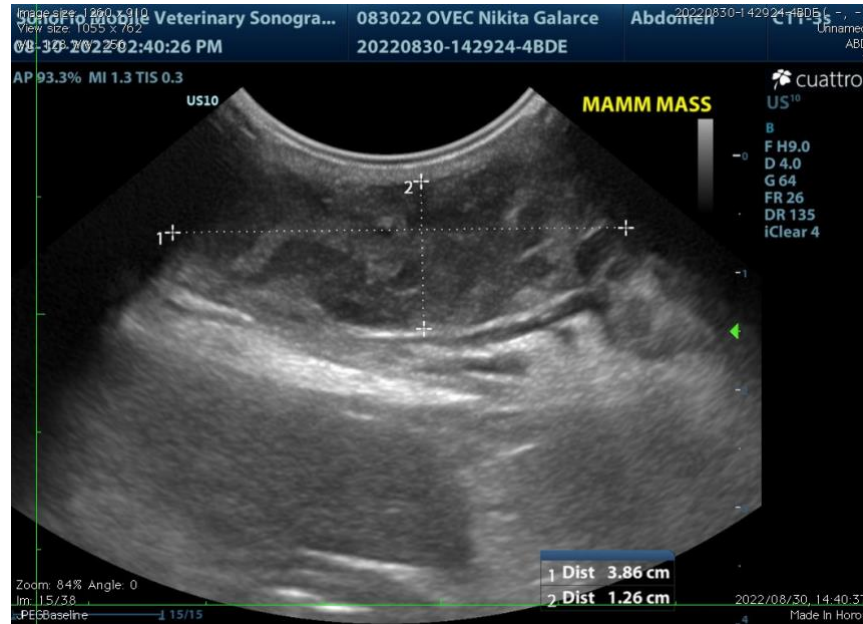
Intact Female

Age

12 years

WEIGHT

12 #



INTERPRETED BY

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 MMedVet (Med), PhD, Dipl.
 ECVIM

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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