



PATIENT

Maybelline Epps

SPECIES

Canine

BREED

Great Dane

SEX

Female Intact

AGE

4/27/2020

WEIGHT

49.3kg

INTERPRETED BY

Andrea Nicastro DVM
Diplomate ACVIM
(Sm Animal Internal Med)

**IMAGING
PERFORMED BY**

Andrea Nicastro DVM
Diplomate ACVIM
(Sm Animal Internal Med)

HOSPITAL NAME

Blue Pearl MP ER

REFERRING VET

Dr Ashley Adam

INVOICE

22938

DATE

4-27-26

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: Presented as a direct transfer for tachycardia, hypoalbuminemia, azotemia, and bloody diarrhea.

Abnormal lab-work values: Chem17: TP 4.5 (L), Albumin 1.7 (L), ALT 279 (H), ALP 408 (H), GGT 15 (H), Bili 7.7 (H), PT/PTT - 27/141 (H). PCV: 50% | TS: 5.8g/dL | BG: 130mg/dL | LAC: 3.0mmol/L. Leptospirosis testing was performed at VEG and was negative.

Current Medications: Plyte, Dextrose 2.5% added to IVF, Acetylcysteine, Unasyn, Enrofloxacin, Maropitant, Ondansetron, Metoclopramide, Gabapentin, Visbiome. Patient sedated with butorphanol for this study.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is normal in thickness. The mucosal surface is smooth. The bladder is distended. A small amount of suspended echogenic debris is observed within the lumen. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

The left kidney is normal in size (7.46 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal- to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney is normal in size (8.78 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal- to mild loss of corticomedullary distinction. A 3.5 x 2.5 cm hypoechoic mass is observed within the parenchyma. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size (0.61 cm at cranial pole) (0.73 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal in size (0.94 cm at cranial pole) (0.76 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is prominent in size (2.42 cm in width at the level of the hilus) with smooth peripheral contours. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively enlarged, with swollen/irregular peripheral contours. The parenchyma is isoechoic relative to the spleen and diffusely mottled and heterogenous. Small, ill-defined nodules are observed throughout the organ. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

The gallbladder lumen is mildly to moderately-distended. The wall is thickened (up to 0.37 cm) and hypoechoic. A small amount of suspended echogenic- to mineralized debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.



PATIENT

Maybelline Epps

SPECIES

Canine

BREED

Great Dane

SEX

Female Intact

AGE

4/27/2020

WEIGHT

49.3kg

INTERPRETED BY

Andrea Nicastro DVM
Diplomate ACVIM
(Sm Animal Internal Med)

**IMAGING
PERFORMED BY**

Andrea Nicastro DVM
Diplomate ACVIM
(Sm Animal Internal Med)

HOSPITAL NAME

Blue Pearl MP ER

REFERRING VET

Dr Ashley Adam

INVOICE

22938

DATE

4-27-26

Gastrointestinal

The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileoceocolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Lymph Nodes

At least three enlarged, rounded, hypoechoic periportal lymph nodes are visualized (one measuring 3.8 x 2.3 cm).

Free Abdomen

The mesentery throughout the abdomen is mildly hyperechoic. A large amount of echogenic free fluid is observed.

Other

The left ovary is subjectively normal-in-size (3.44 x 1.78 cm). One- to two cystic areas are seen. The parenchyma is otherwise unremarkable.

The right ovary is subjectively normal-in-size (4.10 x 1.82 cm). One- to two cystic areas are seen. The parenchyma is otherwise unremarkable.

The left uterine horn is visible. Cystic changes are observed within the lumen.

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The hepatic changes could be consistent with infiltrative neoplasia (i.e., round cell tumor), an inflammatory process (i.e., cholangiohepatitis, chronic hepatitis), hepatotoxicosis, regenerative nodular hyperplasia, fibrosis, vacuolar hepatopathy, and/or other hepatopathy.
- The gallbladder wall changes could be consistent with low oncotic pressure, increased hydrostatic pressure, cholecystitis, other.
- The enlarged periportal lymph nodes could be consistent with infiltrative neoplasia, lymphadenitis, or less likely, lymphoid hyperplasia.
- The right renal mass is concerning for a neoplastic process. However, a benign lesion (i.e., granuloma) cannot be excluded.
- Ascites. This may be secondary to increased hydrostatic pressure/portal hypertension, low oncotic pressure, increased vascular permeability, other.



PATIENT

Maybelline Epps

SPECIES

Canine

BREED

Great Dane

SEX

Female Intact

AGE

4/27/2020

WEIGHT

49.3kg

INTERPRETED BY

Andrea Nicastro DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

IMAGING PERFORMED BY

Andrea Nicastro DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

HOSPITAL NAME

Blue Pearl MP ER

REFERRING VET

Dr Ashley Adam

INVOICE

22938

DATE

4-27-26

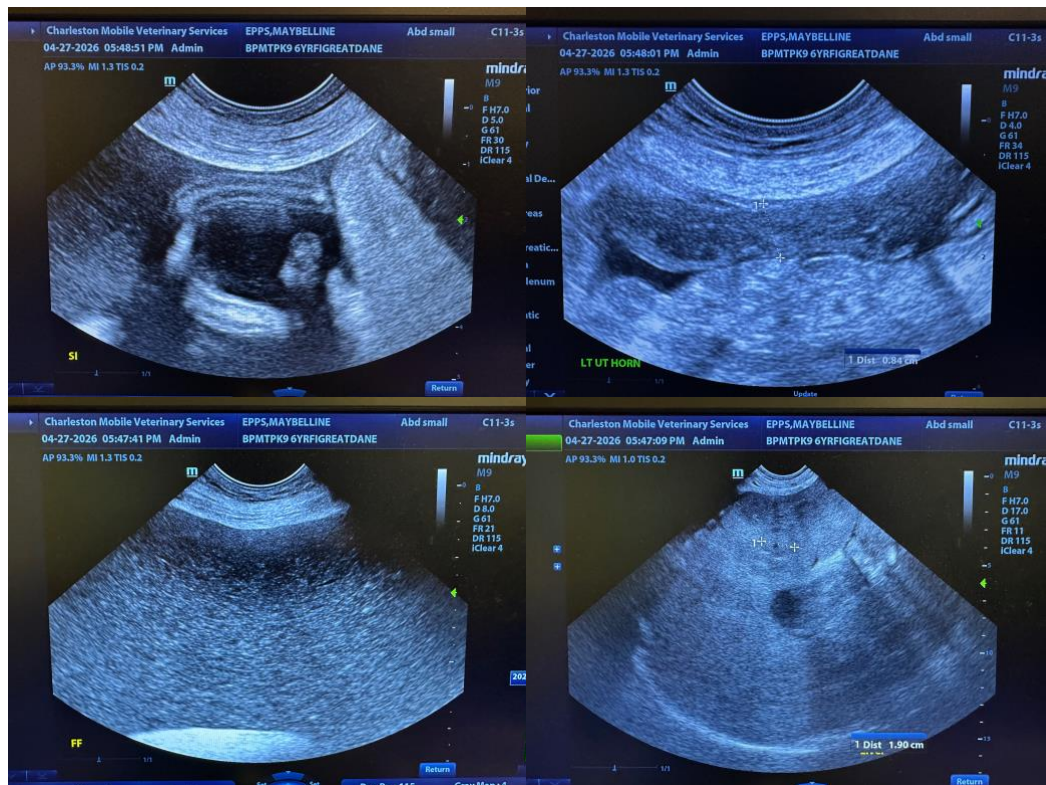
Secondary Findings

- The mild splenomegaly may be secondary to sedation, lymphoid hyperplasia, extramedullary hematopoiesis, splenitis, antigenic stimulation, or less likely, infiltrative neoplasia).
- The left uterine horn changes are suggestive of cystic endometrial hyperplasia.

*Ultrasound-guided fine-needle aspiration of the abdominal fluid was performed at the end of this study without incident.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Submission of the abdominal fluid for cytologic evaluation is recommended. Depending on the results, further work-up may be indicated. In the meantime, continued symptomatic care is recommended.
- Given the uterine changes, an ovariohysterectomy should be performed at a later date when the patient's current clinical issues has stabilized and/or resolved.





PATIENT

Maybelline Epps

SPECIES

Canine

BREED

Great Dane

SEX

Female Intact

AGE

4/27/2020

WEIGHT

49.3kg

INTERPRETED BY

Andrea Nicastrò DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

IMAGING PERFORMED BY

Andrea Nicastrò DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

HOSPITAL NAME

Blue Pearl MP ER

REFERRING VET

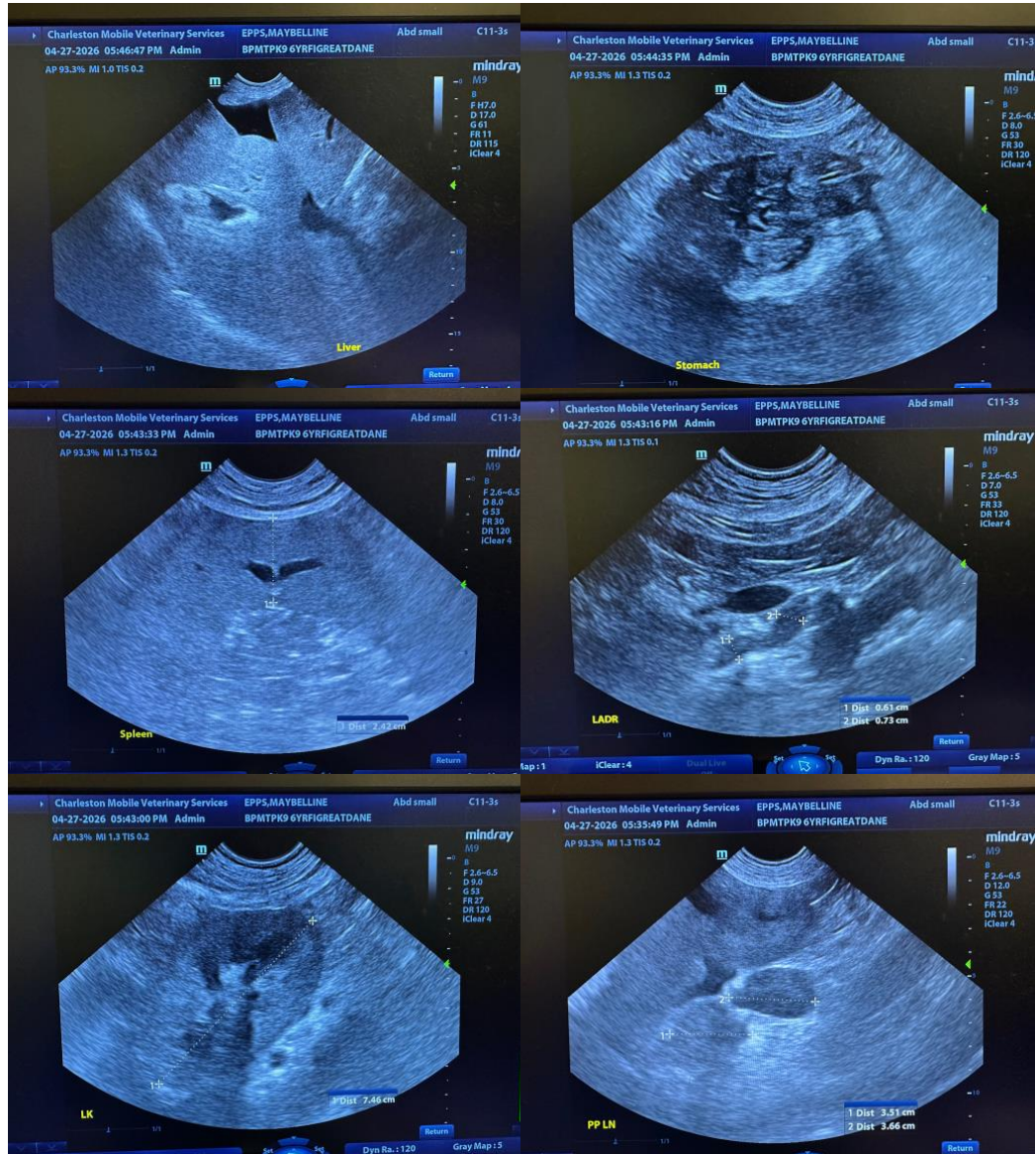
Dr Ashley Adam

INVOICE

22938

DATE

4-27-26





PATIENT

Maybelline Epps

SPECIES

Canine

BREED

Great Dane

SEX

Female Intact

AGE

4/27/2020

WEIGHT

49.3kg

INTERPRETED BY

Andrea Nicastro DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

IMAGING PERFORMED BY

Andrea Nicastro DVM
 Diplomate ACVIM
 (Sm Animal Internal Med)

HOSPITAL NAME

Blue Pearl MP ER

REFERRING VET

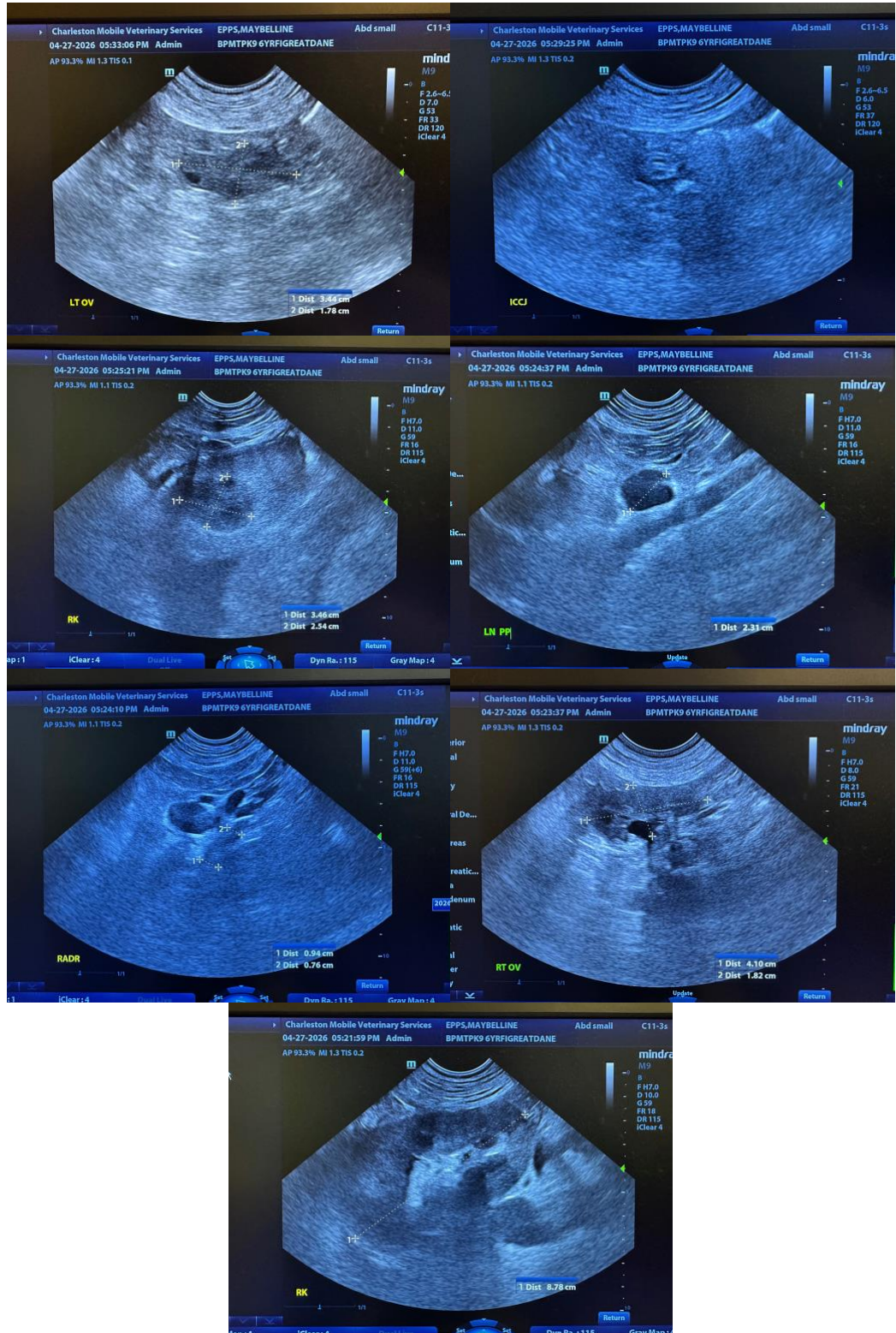
Dr Ashley Adam

INVOICE

22938

DATE

4-27-26





PATIENT

Maybelline Epps

SPECIES

Canine

BREED

Great Dane

SEX

Female Intact

AGE

4/27/2020

WEIGHT

49.3kg

INTERPRETED BY

Andrea Nicastro DVM
Diplomate ACVIM
(Sm Animal Internal Med)

**IMAGING
PERFORMED BY**

Andrea Nicastro DVM
Diplomate ACVIM
(Sm Animal Internal Med)

HOSPITAL NAME

Blue Pearl MP ER

REFERRING VET

Dr Ashley Adam

INVOICE

22938

DATE

4-27-26

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com