



PATIENT

Myla Delgado

SPECIES

Canine

BREED

French Bulldog

SEX

F

AGE

6yr

WEIGHT

24

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Kew Gardens Animal
Hospital

REFERRING VET

Dr. Lara Cabugawan

INVOICE

13763ag

DATE

05/09/2023

PRESENTING CLINICAL SIGNS

Presented for not acting right since Sunday, O mentioned has been lethargic , inappetence , one episode of vomiting over the weekends and soft stool. Hx of EPI - pet is pancreatic enzymes.

Abnormal PE/Chem/CBC/UA Results: PE- weak ambulatory , 7% dehydration , hypothermic . Abdominal palpation soft non painful , mild ballottement. Rectal exam soft stool on rectal gloves. Marked elevation LES , abnormal electrolytes. CBC - systemic infection.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.7 cm in length. The right kidney measured 4.6 cm in length.

The area of the iliac trifurcation was free of overt pathology including no evidence of medial, iliac or sublumbar lymphadenopathy or masses.

Adrenal Glands

The left adrenal gland was indistinctly visualized. The left adrenal gland measured 0.54 cm width at the caudal pole. The right adrenal gland was not definitively visualized.

Spleen

The spleen exhibited potential for borderline subnormal size and volume contraction with a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/Gallbladder

The liver was enlarged in size with rounded capsule contour and generalized decreased to uniform parenchyma echogenicity. Subtle increased prominence of the portal vascular borders was present. Prominent to congested hepatic veins at the level of the hepatic vein/caudal vena cava junction were present. Distended cranial abdominal caudal vena cava at the level of the diaphragm and liver was present measuring 1.0 cm in diameter.

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented moderate wall thickening secondary to echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. Mild gastric distension with primarily anechoic fluid and luminal gas was present.



PATIENT

Myla Delgado

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

SPECIES

Canine

Pancreas

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

BREED

French Bulldog

Free Abdomen

Moderate volume peritoneal effusion was present with generalized hyperechoic omentum.

SEX

F

Intermittent mildly prominent uniform hypoechoic mesenteric lymph nodes were present. This may indicate lymphoid hyperplasia, reactive lymphadenitis or early neoplastic mesenteric lymphadenopathy.

Transdiaphragmatic view of the caudal thorax revealed evidence of pericardial effusion.

AGE

6yr

ULTRASONOGRAPHIC FINDINGS

- Enlarged hypoechoic congested liver.
- Thickened yet intact gastric walls-gastritis, gastric wall edema, infiltrative neoplasia (less likely) possible.
- Sonographically unremarkable spleen.
- Moderate volume peritoneal effusion and generalized hyperechoic omentum, intermittent mildly prominent to hypoechoic mesenteric lymph nodes.
- Pericardial effusion on transdiaphragmatic view.

WEIGHT

24

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient's clinical signs are suspected to be secondary to pericardial effusion and secondary cardiac tamponade of unknown etiology. Multicentric pathology, which may include neoplasia to involve the liver or peritoneal space i.e., carcinomatosis, lymphomatosis or similar could also be a consideration with the possibility of acute hepatitis (viral, bacterial, leptospirosis, toxin, etc.).

IMAGING PERFORMED BY

Dr. Lara Cabugawan

Assuming normal clotting status, a hepatic FNA and peritoneal effusion centesis for screening cytology +/- C/S is warranted for further assessment.

HOSPITAL NAME

Kew Gardens Animal
Hospital

Referral for further assessment and potential pericardial centesis with pericardial effusion analysis and cytology is recommended. An extremely guarded to potential unfavorable long term prognosis is indicated.

REFERRING VET

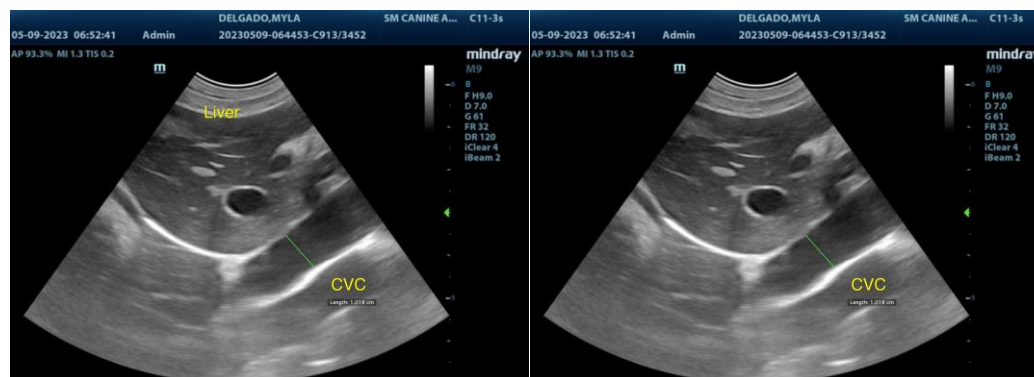
Dr. Lara Cabugawan

INVOICE

13763ag

DATE

05/09/2023





PATIENT

Myla Delgado

SPECIES

Canine

BREED

French Bulldog

SEX

F

AGE

6yr

WEIGHT

24

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Kew Gardens Animal
Hospital

REFERRING VET

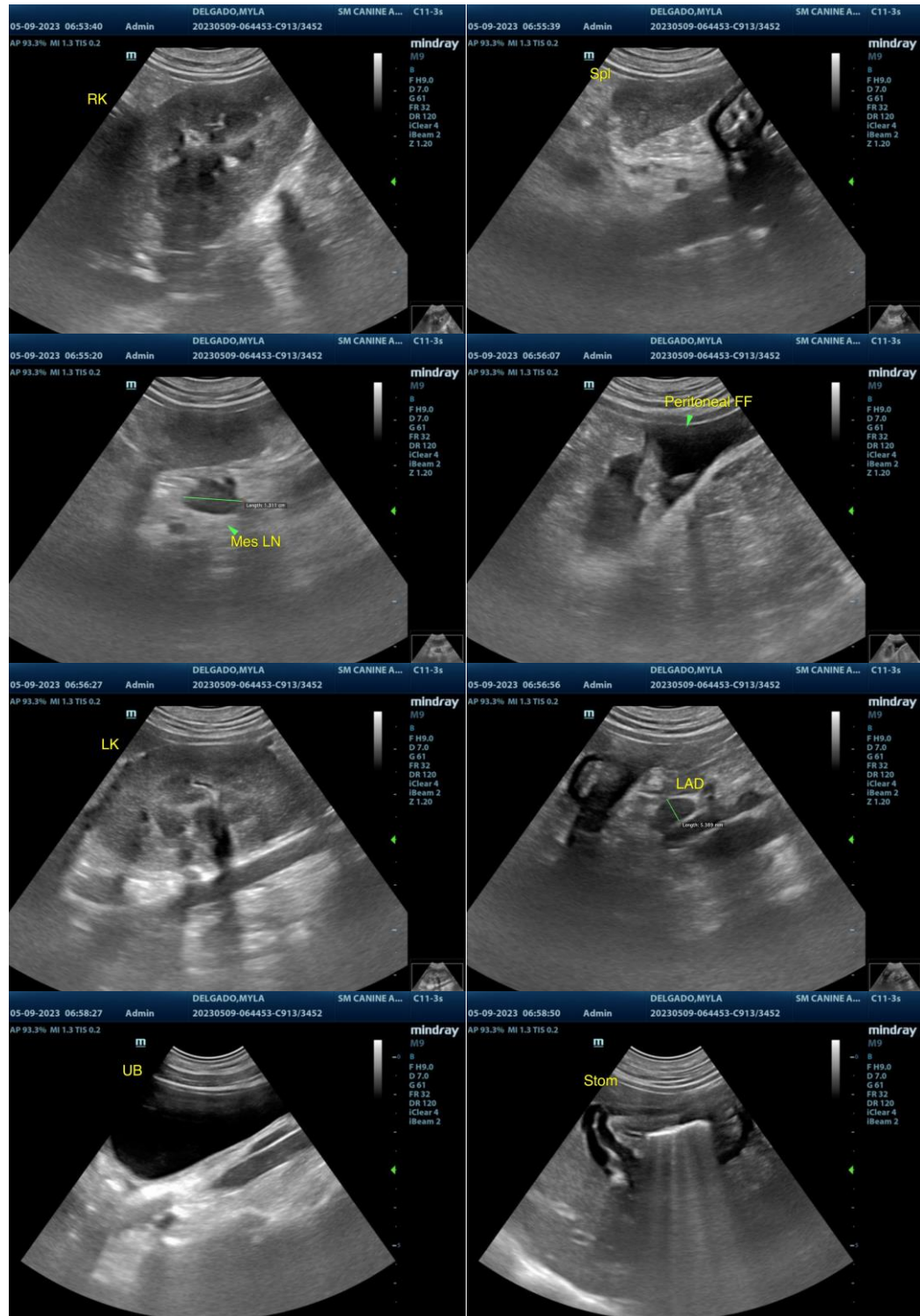
Dr. Lara Cabugawan

INVOICE

13763ag

DATE

05/09/2023





PATIENT

Myla Delgado

SPECIES

Canine

BREED

French Bulldog



SEX

F

AGE

6yr

WEIGHT

24

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Kew Gardens Animal
Hospital

REFERRING VET

Dr. Lara Cabugawan

INVOICE

13763ag

DATE

05/09/2023

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com