



PATIENT

Luna Cadillo

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

11 Years

WEIGHT

8.8 pounds

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP (Canine
 / Feline Practice)

IMAGING PERFORMED BY

Vincent Ravancho CVT

HOSPITAL NAME

Animal Paradise
 Hospital

REFERRING VET

Dr. Francesa Mari

INVOICE

13581

DATE

02/04/26

PRESENTING CLINICAL SIGNS

- Cardiac Workup prior to dental extractions/cleaning + Hypercalcemia of Malignancy
- Grade II-III/VI HM

Abnormal PE/Chem/CBC/UA Results: BUN 31 CA 13.1 K+ 3.5

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

| FELINE CARDIAC PARAMETERS | BODY WEIGHT (lbs) | HR (BPM) | IVSd (cm) | LVIDd (cm) | LVWd (cm) | FS (%) | EF (%) |
|--|-------------------|---------------------------|----------------------|------------|-----------------|-----------------|-----------|
| NORMAL PARAMETER | ----- | 150-240 | 0.3-0.6 | 1.0-2.1 | 0.25-0.6 | 35-67 | 80-100 |
| PATIENT | 8.8 | NM | 0.54 | 1.3 | 0.49 | 50 | 82 |
| FELINE CARDIAC PARAMETERS | LA/AO (M-mode) | LA/AO HEART BASE (Sisson) | LAD LA MAX 4 Chamber | | LVOT VEL. (m/s) | RVOT VEL. (m/s) | IVRT (m/) |
| NORMAL PARAMETER | <1.5 | 1.6 | 0.7-1.7 | | <1.6 | <1.3 | 40-60 |
| PATIENT | NM | 1.3 | 1.3 | | 1.0 | 1.7 | NM |
| Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705 | | | | | | | |

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** dimension based on 2 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Echogenic to particulate nondependent mild sediment was present without evidence of calculus formation. The ureteral



PATIENT

papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

Luna Cadillo

The area of the aortic trifurcation was free of pathology.

SPECIES

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. Mild increased cortex echogenicity with mildly enhanced corticomedullary border demarcation. No evidence of pyelectasia. The left kidney measured 3.7 cm in length. The right kidney measured 3.6 cm in length.

Feline

BREED

Adrenal Glands

DSH

The bilateral adrenal glands were overtly normal in size, position and shape. The left adrenal gland measured 0.35 cm width. The right adrenal gland measured 0.30 cm width.

SEX

Spayed Female

Spleen

AGE

The spleen exhibited 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.

11 Years

WEIGHT

8.8 pounds

Liver & Gallbladder

INTERPRETED BY

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion.

R. McKenzie Daniel,
DVM, DABVP (Canine
/ Feline Practice)

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

IMAGING PERFORMED BY

Gastrointestinal

Vincent Ravancho CVT

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

HOSPITAL NAME

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. The ileocolic wall measured 0.32 cm wall width. The small intestine wall measured 0.24 cm wall width.

Animal Paradise
Hospital

REFERRING VET

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

Dr. Francesa Mari

Pancreas

INVOICE

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.

13581

DATE

Free Abdomen

02/04/26

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS



PATIENT

Luna Cadillo

- Normal cardiac structure/function.
- Mild age-related renal changes.
- Mild urine sediment.

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

11 Years

WEIGHT

8.8 pounds

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP (Canine / Feline Practice)

IMAGING PERFORMED BY

Vincent Ravancho CVT

HOSPITAL NAME

Animal Paradise Hospital

REFERRING VET

Dr. Francesa Mari

INVOICE

13581

DATE

02/04/26

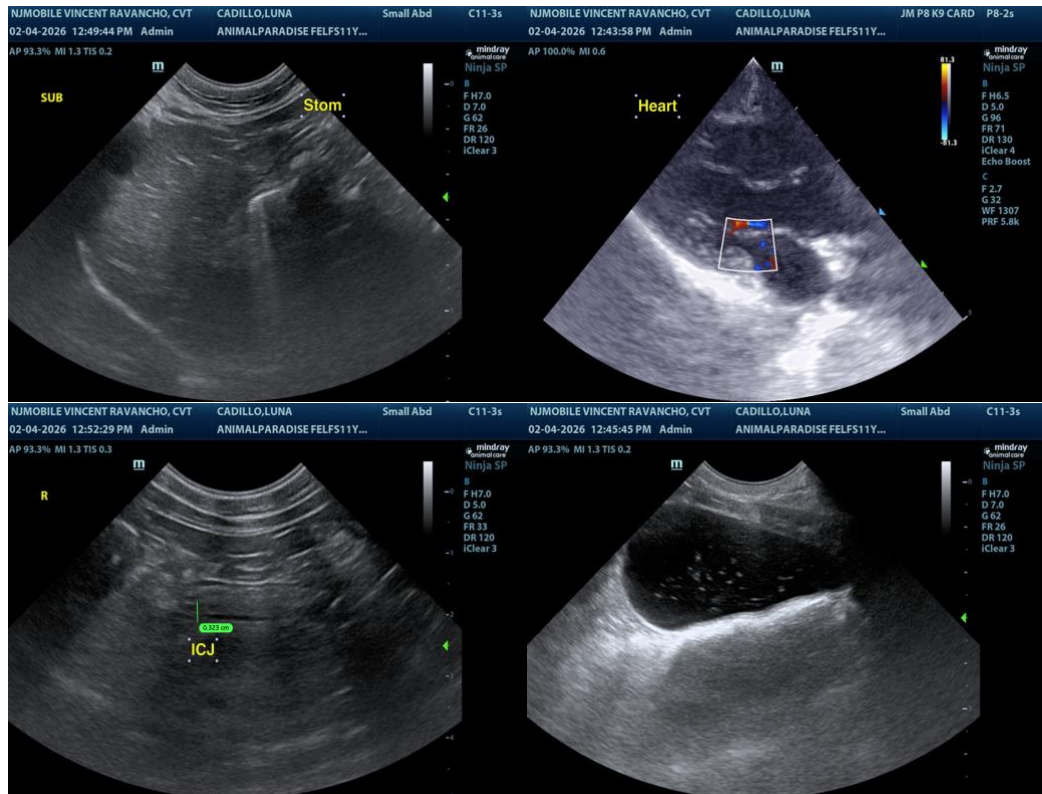
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of cardiac or significant abdominal visceral pathology including no evidence of neoplastic criteria. A definitive cause of the murmur was not identified. Assuming no volume changes such as dehydration or anemia, a benign flow murmur is probable. A small nonvisualized flow abnormality is not excluded. Regardless of classification, the hemodynamic effects of the murmur are low.

Monitoring of the heart murmur is recommended without indication for cardiac medications. Recheck echocardiogram is recommended in 6-12 months, sooner if murmur intensity increases or clinical signs arise.

The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended.

No anesthetic contraindications. Suggested anesthetic protocol may include opioid or Benzodiazepine pre-med, induction with Propofol or Alfaxalone, and appropriate gas anesthesia with avoidance of alpha 2 agonists.





PATIENT

Luna Cadillo

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

11 Years

WEIGHT

8.8 pounds

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP (Canine
 / Feline Practice)

**IMAGING
 PERFORMED BY**

Vincent Ravancho CVT

HOSPITAL NAME

Animal Paradise
 Hospital

REFERRING VET

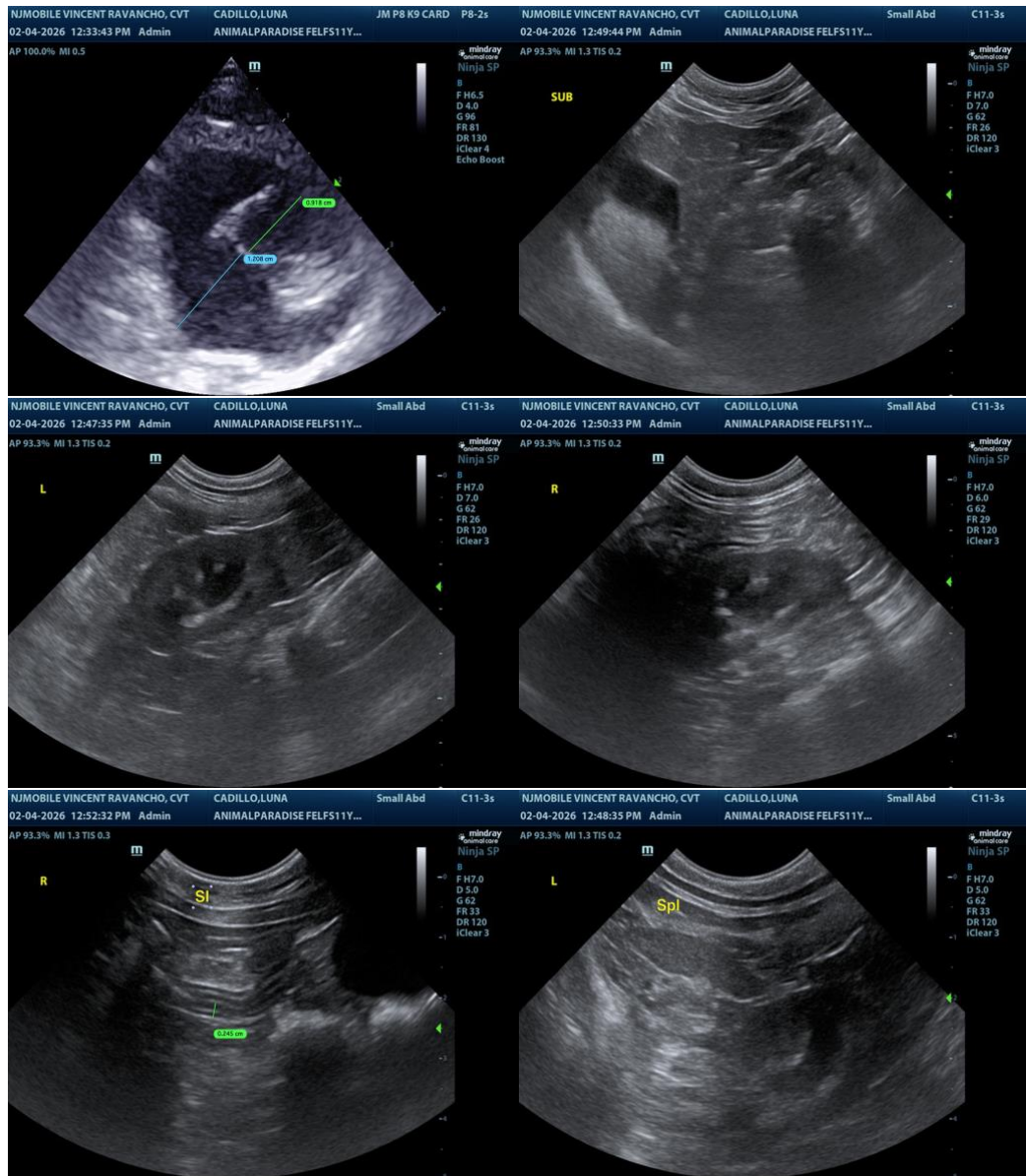
Dr. Francesa Mari

INVOICE

13581

DATE

02/04/26



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com