



**PATIENT**

Poppy Villari

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

13 Years 7 Months

**WEIGHT**

6.4 pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Animal Care Center of  
 Flanders

**REFERRING VET**

Dr. Villari

**INVOICE**

13472

**DATE**

01/30/26

**PRESENTING CLINICAL SIGNS**

- Inappetence, weight loss, moderate DDS, Maropitant

Abnormal PE/Chem/CBC/UA Results: BNP 126 All else WNL

**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	6.4	NM	0.45	1.44	0.35	45	78
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	--	1.0	1.2		1.0	1.0	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** size and structure. The cranial and caudal **mitral** valve leaflets presented minor irregular age-related changes that are not clinically significant at this time with adequate extension in systole and union in diastole. The **left ventricle** presented normal free wall and septal thicknesses with linear contour. The **myocardium** presented some echogenic remodeling consistent with expected age-related change. **Contractility** of the ventricular walls was adequate and in normal range for this breed and patient size. The **left ventricular outflow** tract demonstrated normal laminar flow with subjectively unremarkable structure. Subjective assessment of the **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated expected findings for this age patient. Mild TR on doppler. The **right ventricle** was of normal size (1/3 diameter of LV), 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 pleural fluid was noted. The **mediastinum** was free of masses in the visible window.

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm 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 papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.



**PATIENT**

Poppy Villari

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

13 Years 7 Months

**WEIGHT**

6.4 pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Animal Care Center of  
Flanders

**REFERRING VET**

Dr. Villari

**INVOICE**

13472

**DATE**

01/30/26

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.6 cm in length. The right kidney measured 3.9 cm in length.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.40 cm width.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.39 cm width.

**Spleen**

The spleen was normal in size with maintained symmetrical capsule contour. Multifocal, small to discrete, hypoechoic subtle micronodules were present diffusely throughout the parenchyma without associated capsule impingement or distortion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The spleen measured 0.94 cm width level of the mid spleen.

**Liver & Gallbladder**

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non distended in size with mild nonorganized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

**Gastrointestinal**

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.

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 duodenum wall measured 0.26 cm wall width. The jejunum wall measured 0.25 cm wall width. The ileocolic wall measured 0.35 cm wall width.

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

**Pancreas**

The left pancreas presented normal in size with capsule asymmetry and mild nonhomogenous remodeled parenchyma compared to adjacent omentum.

**Free Abdomen**



**PATIENT**

Poppy Villari

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

13 Years 7 Months

**WEIGHT**

6.4 pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Animal Care Center of  
Flanders

**REFERRING VET**

Dr. Villari

**INVOICE**

13472

**DATE**

01/30/26

Intermittent mildly enlarged to swollen nonhomogenous mesenteric lymph nodes were visualized cranial to the stomach and adjacent to the portal vasculature at the mid abdomen. An example measured 1.5 cm x 0.76 cm. A perigastric lymph node was visualized measuring 1.3 cm in diameter. No evidence of peritoneal effusion.

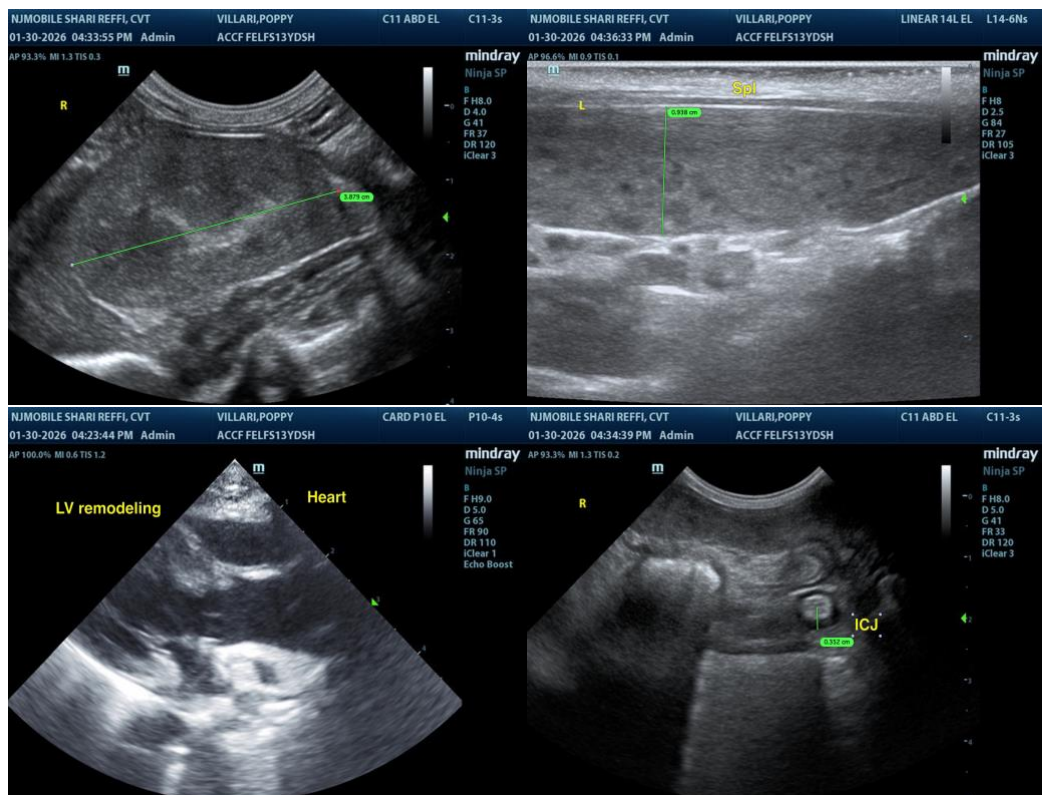
**ULTRASONOGRAPHIC FINDINGS**

- Normal cardiac structure/function with LV remodeling.
- Mild TR- not hemodynamically significant.
- Subtle micronodular splenic parenchyma- nodular to lymphoid hyperplasia, hematopoiesis, neoplasia i.e. lymphoma, mast cell neoplasia or other.
- Borderline mild hepatomegaly- nonspecific.
- Mild gallbladder debris.
- Sonographically unremarkable gastrointestinal tract.
- Possible mild chronic pancreatitis.
- Intermittent mildly swollen mesenteric lymph nodes- hyperplasia, lymphadenitis, neoplasia are all possible.
- Perigastric lymph node.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Correlation with pending splenic and lymphatic cytology is recommended. A GI panel to include PLI, TLI, cobalamin and folate, pending cytology, may be considered in conjunction with three view chest radiographs if not recently done.

No evidence of structural or functional cardiomyopathy as a contributing factor.





**PATIENT**

Poppy Villari

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

13 Years 7 Months

**WEIGHT**

6.4 pounds

**INTERPRETED BY**

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

**IMAGING  
 PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Animal Care Center of  
 Flanders

**REFERRING VET**

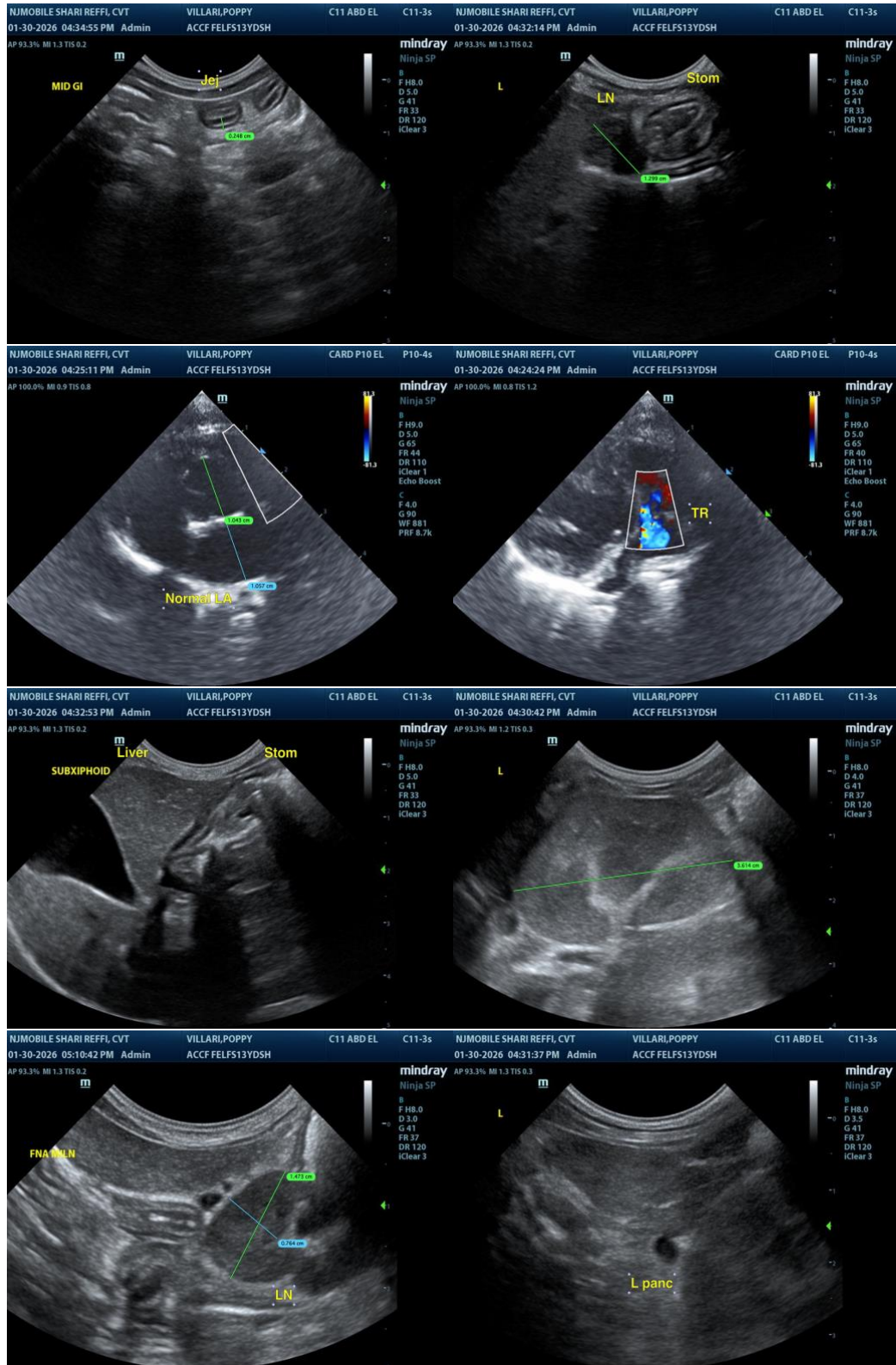
Dr. Villari

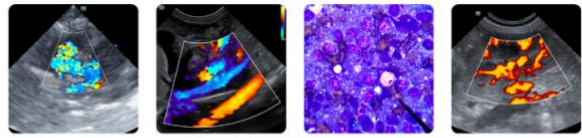
**INVOICE**

13472

**DATE**

01/30/26





**PATIENT**

Poppy Villari

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

13 Years 7 Months

**WEIGHT**

6.4 pounds

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Animal Care Center of  
Flanders

**REFERRING VET**

Dr. Villari

**INVOICE**

13472

**DATE**

01/30/26

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](mailto:info@SonoPath.com)