



**PATIENT**

Freedo Cerone

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

14 years

**WEIGHT**

9.4 lbs

**PRESENTING CLINICAL SIGNS**

History: Acute presentation, paresis RFL, digital pads RFL cool to the touch. R/O Thrombus/underlying cardiac dz. No current meds.

Abnormal PE/Chem/CBC/UA Results: Phos 2.1(2.6L), TP 8.5(8H), Glob 5.4(4.8H), Glu 263(130H), K+ 3.3(3.4L), Neu 16.2(12.58H), Lym 0.48 (0.73L)

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Minor **mitral** valve insufficiency was noted on spectral Doppler and color flow assessment. 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). The mass structure noted at the heart base appears to be cystic and not neoplastic measuring approximately 5.0 cm and is combined of three separate cysts. These rare likely residual branchial cysts.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Newton VH

**REFERRING VET**

Dr. Chun

**INVOICE**

91347

**DATE**

8/19/21

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	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		137	0.56	1.25	0.47	53	87
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.29	1.3		0.96	0.71	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							



**PATIENT**

Freedo Cerone

**ULTRASONOGRAPHIC FINDINGS**

Residual branchial cyst formation enveloping the aorta.  
Normal echocardiogram with trivial mitral insufficiency.

**SPECIES**

Feline

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There was no evidence of clinical pathology. The presentation appears benign, yet the cysts area causing some space occupation. If respiratory issues are present then ultrasound-guided drainage of the cystic structures could be performed, however, they envelope the aorta. There appears to be an adequate for safe drainage. CT evaluation of the spine would be ideal. There was no evidence of iliac thrombosis. However, if neurological exam reveals abnormalities then spinal CT would be appropriate.

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

14 years

**WEIGHT**

9.4 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Newton VH

**REFERRING VET**

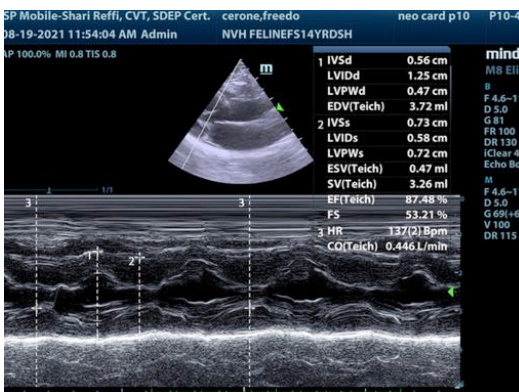
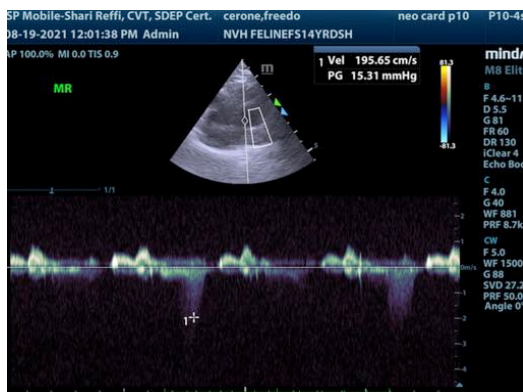
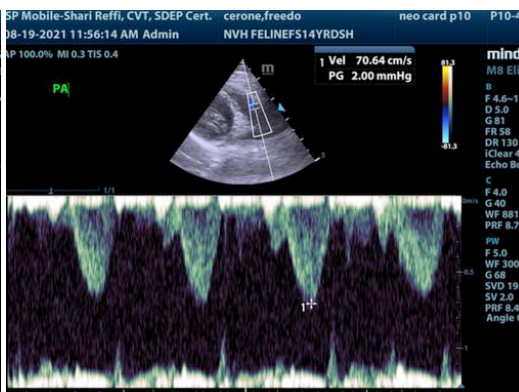
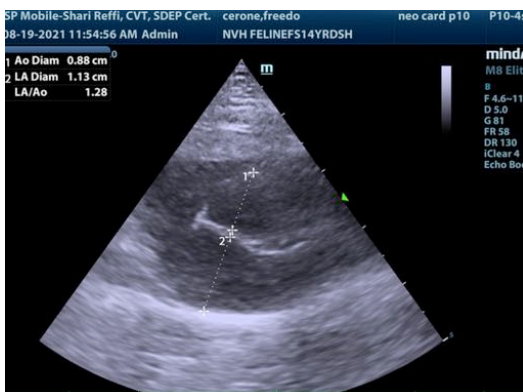
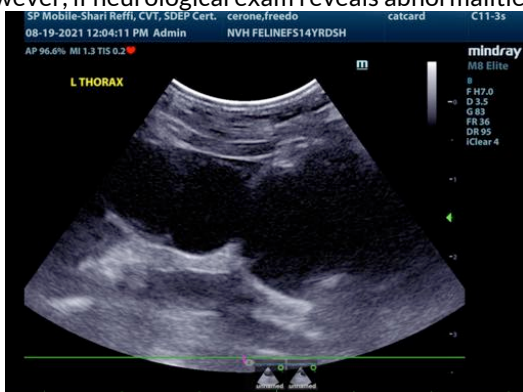
Dr. Chun

**INVOICE**

91347

**DATE**

8/19/21





**PATIENT**

Freedo Cerone

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

14 years

**WEIGHT**

9.4 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Newton VH

**REFERRING VET**

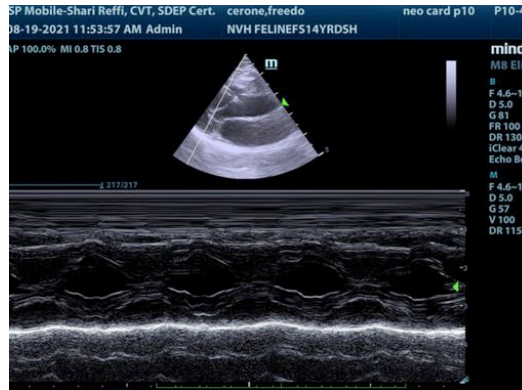
Dr. Chun

**INVOICE**

91347

**DATE**

8/19/21



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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
Info@SonoPath.com