**PATIENT**

Rella Shriver

**SPECIES**

Feline

**BREED**

DLH

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

6.4 Pounds

**PRESENTING CLINICAL SIGNS**

not eating much, quiet, inappropriate urination

Abnormal PE/Chem/CBC/UA Results: Radiographs show pleural effusion and possible mass

Thoracocentesis post echo 80mls straw colored chyle with SpGr 1.020 BP: 166/127 MAP 137, 166/126 MAP 135, 170/126 MAP 139

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

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		173	0.39	1.08	0.4	69	96
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	1.2	1.0	1.3	1.05	0.92	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							

**INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSS)**IMAGING PERFORMED BY**

Sarah Pender, CVT

**HOSPITAL NAME**

SVS Imaging QC

**REFERRING VET**

Dr. Rider

**INVOICE**

26239

**DATE**

10/13/21

**Cardiac Presentation**

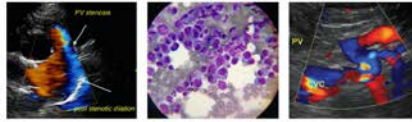
The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented normal thicknesses with linear contour and was not dilated 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). Non-cardiogenic pleural effusion was noted in this patient. Areas of lung consolidation were noted. The caudal thorax revealed a large lung consolidation/mass.

**ULTRASONOGRAPHIC FINDINGS**

- Non-cardiogenic pleural effusion with areas of lung consolidation

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Pleurocentesis and cytospin warranted to assess for exfoliating neoplasia. Abdominal sonogram warranted to assess for possible primary disease that may be metastatic to the chest. However, prognosis is poor assuming neoplasia is found upon cytospin of the thoracic effusion. The heart is normal in this patient to slightly volume contracted.



**PATIENT**

Rella Shriver

**SPECIES**

Feline

**BREED**

DLH

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

6.4 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS)

**IMAGING PERFORMED BY**

Sarah Pender, CVT

**HOSPITAL NAME**

SVS Imaging QC

**REFERRING VET**

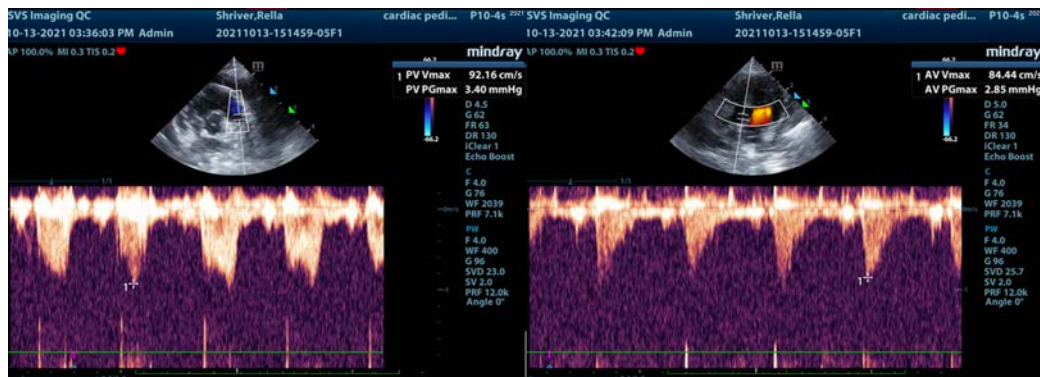
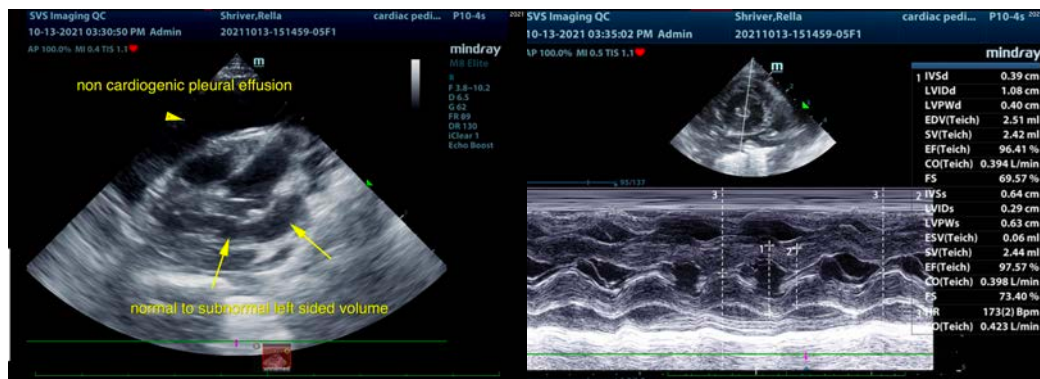
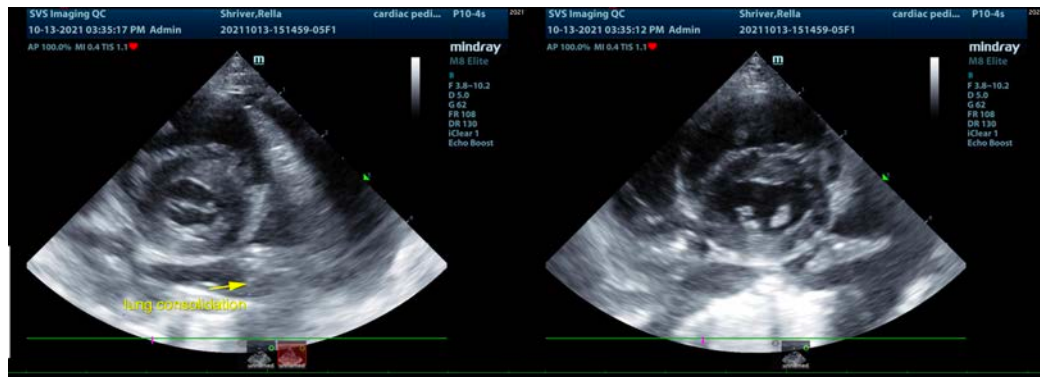
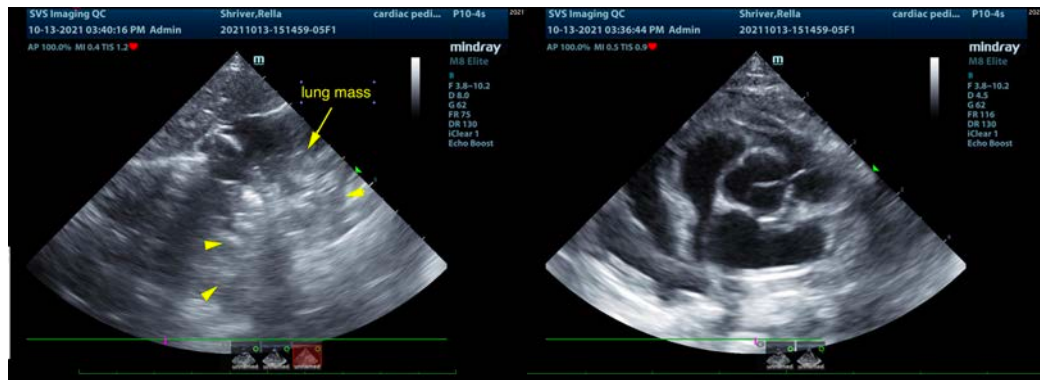
Dr. Rider

**INVOICE**

26239

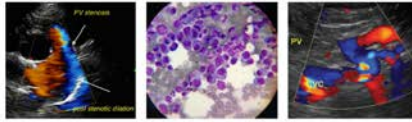
**DATE**

10/13/21



IMAGING PERFORMED BY

svsimaging.net 309-737-3070



 **SonoPath**

Clinical Sonography & Telectology

EDUCATIONAL TELECONSULTATION SERVICES™

1-800-838-4268 [info@sonopath.com](mailto:info@sonopath.com) [SonoPath.com](http://SonoPath.com)

**PATIENT**

Rella Shriver

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.

**SPECIES**

Feline

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](mailto:info@SonoPath.com)

**BREED**

DLH

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

6.4 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS)

**IMAGING  
PERFORMED BY**

Sarah Pender, CVT

**HOSPITAL NAME**

SVS Imaging QC

**REFERRING VET**

Dr. Rider

**INVOICE**

26239

**DATE**

10/13/21