



**PATIENT PRESENTING CLINICAL SIGNS**

Whiskey Rose History: Intrathoracic Mass r/o Thymoma Panleukopenia Heart murmur grade 3. No meds currently.

**SPECIES** Abnormal PE/Chem/CBC/UA Results:

Feline **ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

BREED	FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
DSH								
	NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
	PATIENT		NM	0.45	0.24	0.47	65	94
SEX	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/)	
FS								
	NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
	PATIENT		1.0	1.1	1.0	0.3	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							

Feline

BREED

DSH

SEX

FS

AGE

13 yr

WEIGHT

3.86 kg

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Crystall Hill

**HOSPITAL NAME**

Burlington Lakeshore VH

**REFERRING VET**

Dr. Aziz

**INVOICE**

10612ag

**DATE**

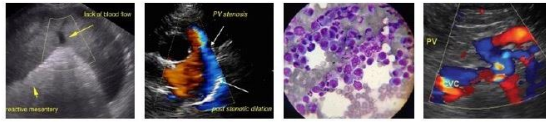
05/13/2022

**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). A moderately sized to large cystic mass with evidence of compartmentalization was present occupying the majority of the right thorax measuring approximately 5.5 cm in diameter. The cystic appearing lesion contained anechoic fluid without overt evidence of echogenic changes or cellularity. No overt or potential mineral soft tissue associated with the mass. No evidence of concurrent free pleural fluid although minor free fluid around the mass is possible. No evidence of cardiac masses noted.

**ULTRASONOGRAPHIC FINDINGS**

- Overtly normal cardiac structure and function
- Moderately sized to large cystic compartmentalized lesion/mass right thorax



**PATIENT**

Whiskey Rose

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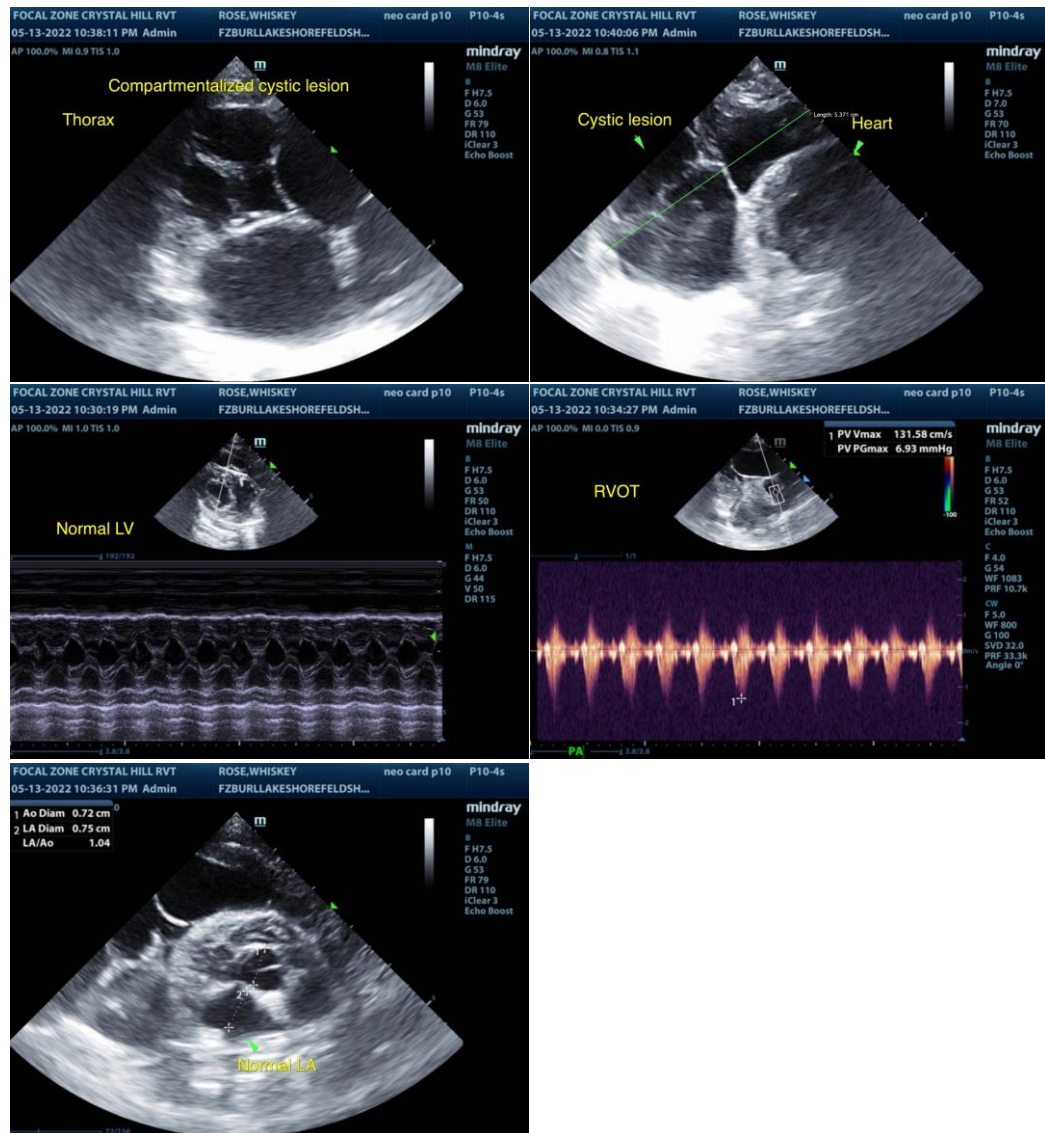
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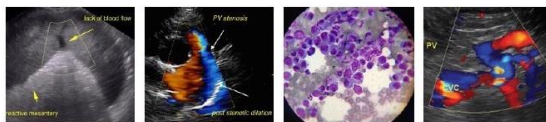
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The cystic mass in the right thorax was nonspecific with potential consideration including compartmentalized lung cyst, inclusion cyst, potential expansive brachial cyst or neoplasia. Less likely is abscess or necrosis. No anesthetic contraindications or indication for cardiac medications. Under sedation, an ultrasound guided centesis of the cystic mass with potential percutaneous drainage with fluid analysis, cytology +/- C/S is recommended.



The information and recommendations provided are based on the images presented by the referring



**PATIENT**

Whiskey Rose

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.

**SPECIES**

Feline

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

info@SonoPath.com

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