



PATIENT PRESENTING CLINICAL SIGNS

Harmony O'Leary possible thoracic effusion

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Feline	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		NM	0.4	1.2	0.4	40		
Breed	Sex	Age	Weight	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/)
DSH	Spayed Female	12 Years	10.3 Pounds						
	NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7		<1.6	<1.3	40-60	
	PATIENT	1.3	1.1				0.60	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 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). An extracardiac mass was noted, avulsing the heart and occupying the thoracic space. Non-cardiogenic pleural effusion noted with areas of lung consolidation and lung mass.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

- Thoracic neoplasia – carcinomatosis, sarcomatosis, or similar suspected
- Normal echocardiogram

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35866

DATE

3/3/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Pleurocentesis with cytopsin or FNA of the tissue consolidations recommended for definitive diagnosis. Abdominal sonogram could be considered to assess for primary disease that may be metastatic to the chest.



PATIENT

Harmony O'Leary

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

12 Years

WEIGHT

10.3 Pounds

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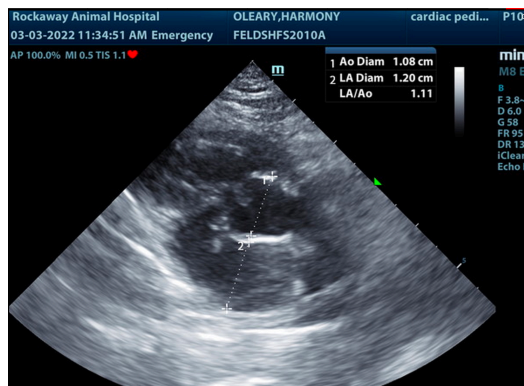
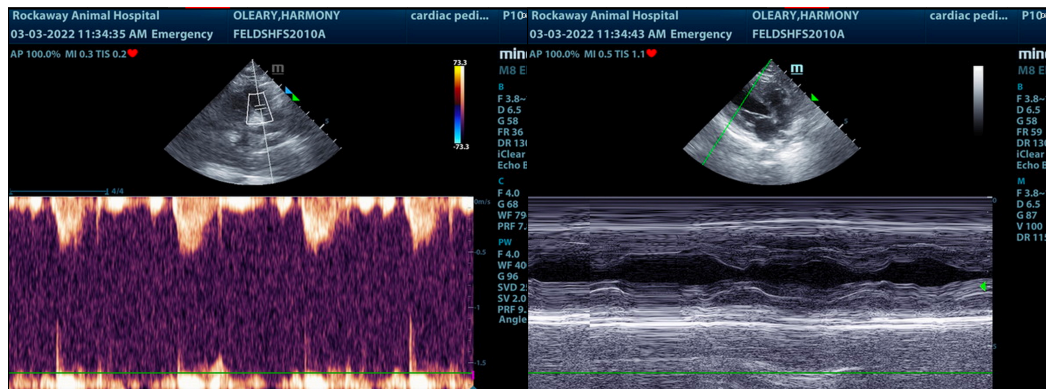
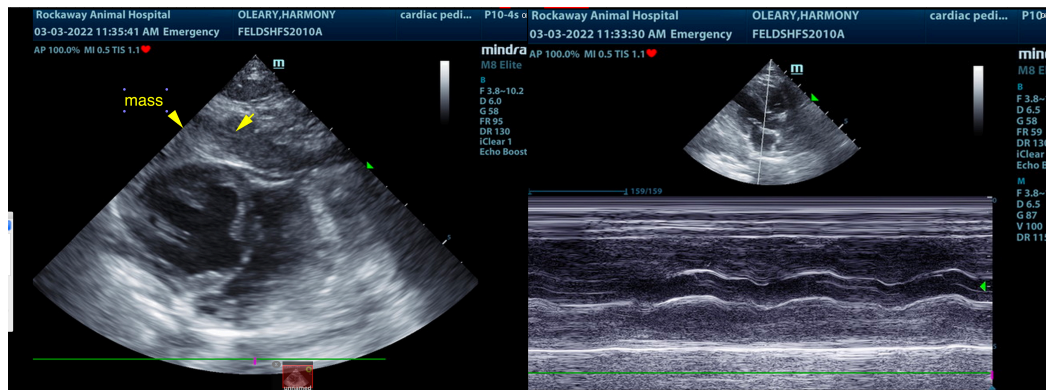
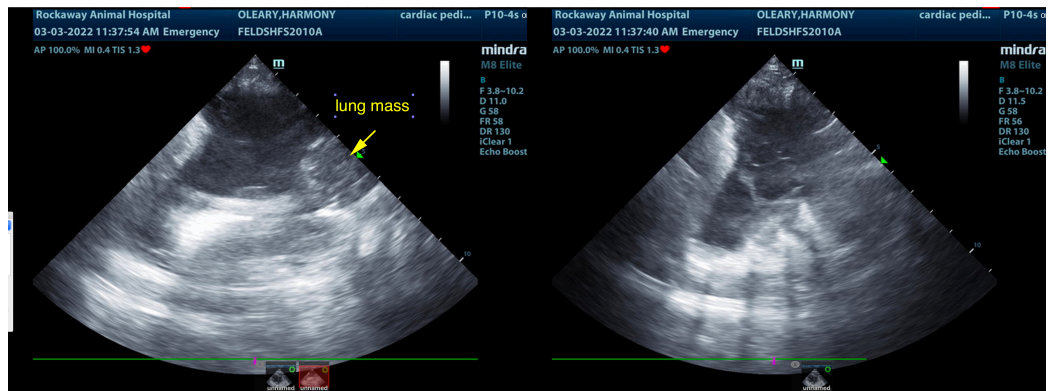
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PATIENT

Harmony O'Leary

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.

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

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WEIGHT

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