

**PATIENT PRESENTING CLINICAL SIGNS**

Joey Rudas History: Echo before mass removal surgery under general anesthesia.  
 Abnormal PE/Chem/CBC/UA Results: BUN 29.4. CBC- PLT 536. CPL abnormal.

**SPECIES BREED SEX AGE WEIGHT INTERPRETED BY**  
 Canine Mix Neutered male 13 years 61.9 lbs  
 Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented 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 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. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/a0 ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.3	28-40	40-100	<0.6
PATIENT		1.3	1.1		27	54	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA (2D short axis Base view) (cm)	LVIDd (Avg; 2D and m-mode short axis) (cm)	LVIDs (Avg; 2D and m-mode short axis) (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	104	1.32		61.9 lbs	3.68	2.97	

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Animal Paradise Hospital

**REFERRING VET**

Dr. ElShafie

**ULTRASONOGRAPHIC FINDINGS**

Essentially normal echocardiogram with trivial tricuspid insufficiency, not clinically significant.

**INVOICE**

31525

**DATE**

7/7/22

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is no contraindication to anesthetic procedure from a cardiac standpoint. No specific protocol is necessary; however, suggested protocol includes Torbutrol premed, Propofol induction, and Isoflurane maintenance.



**PATIENT**

Joey Rudas

**SPECIES**

Canine

**BREED**

Mix

**SEX**

Neutered male

**AGE**

13 years

**WEIGHT**

61.9 lbs

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Animal Paradise  
Hospital

**REFERRING VET**

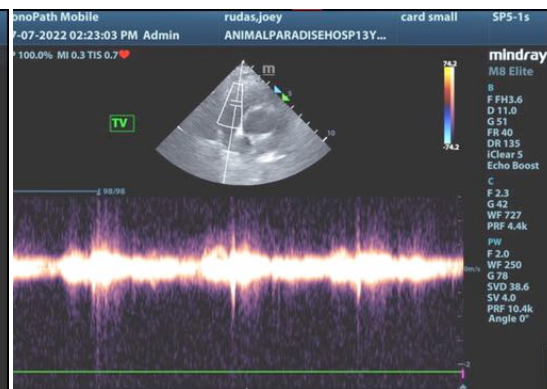
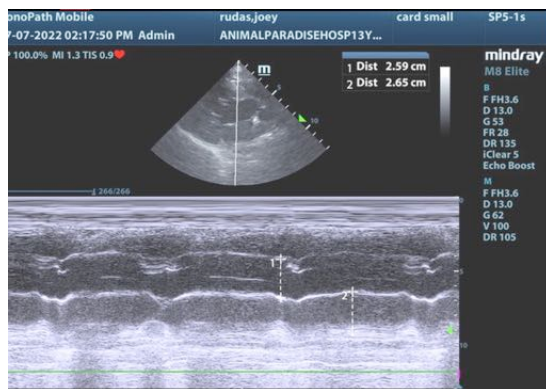
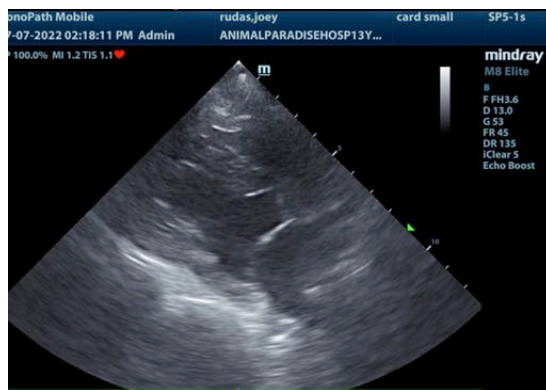
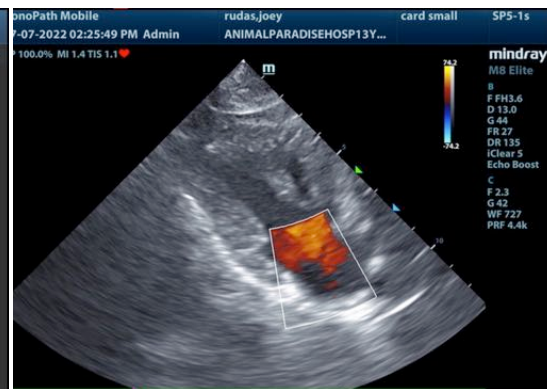
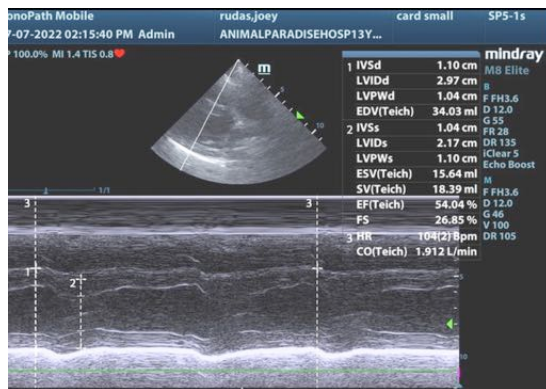
Dr. ElShafie

**INVOICE**

31525

**DATE**

7/7/22





**PATIENT**

Joey Rudas

**SPECIES**

Canine

**BREED**

Mix

**SEX**

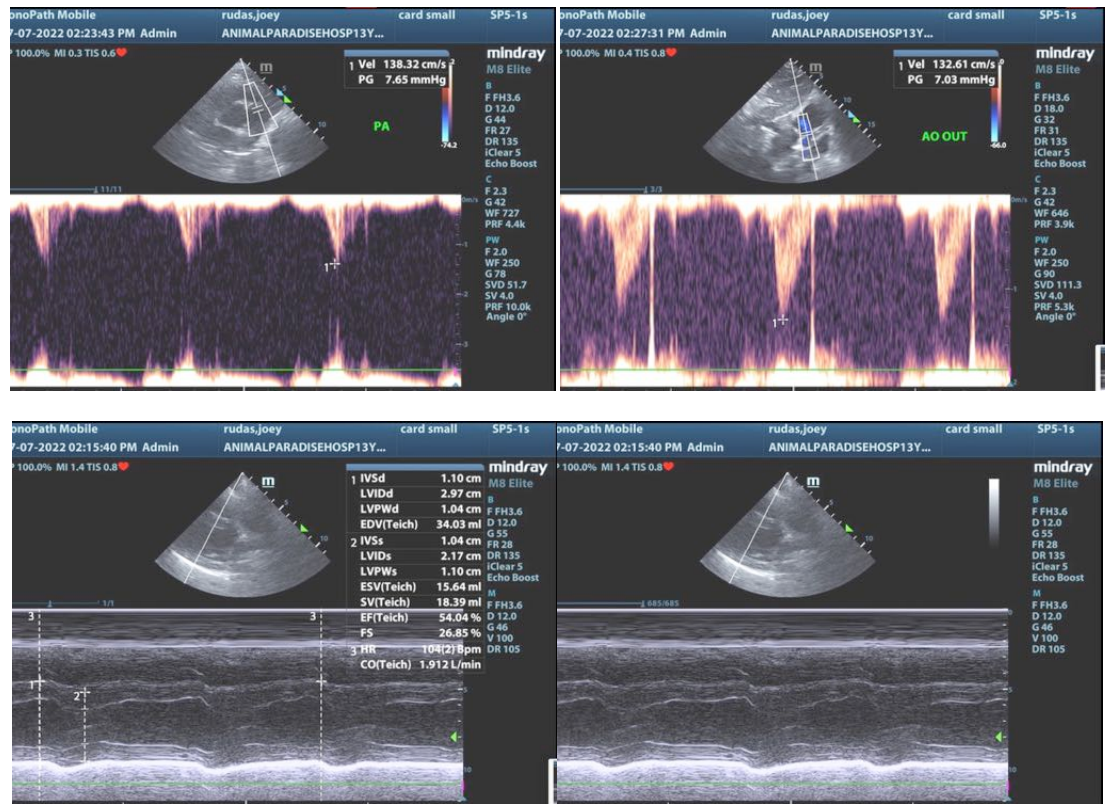
Neutered male

**AGE**

13 years

**WEIGHT**

61.9 lbs



**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Animal Paradise Hospital

**REFERRING VET**

Dr. ElShafie

**INVOICE**

31525

**DATE**

7/7/22

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.

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

Info@SonoPath.com