



# Cardiac Procedures Form - (ECHO, EKG, heart catheterization)

Subject ID

Complete this form if the subject has ever had a cardiac ECHO, EKG or heart catheterization with results in the medical record.

DATE FORM COMPLETED: |\_|\_|-|\_|\_|-|\_|\_|\_|\_|

## A. CARDIAC ECHO

- a) Date of most recent ECHO: |\_|\_|-|\_|\_|-|\_|\_|\_|\_|  ECHO report not available
- b) Reason ECHO was done: \_\_\_\_\_
- c) Patient's Body Mass Index (BMI) \_\_\_\_\_ kg/m<sup>2</sup>
- d) Heart rate on date of ECHO \_\_\_\_\_ beats/min
- e) Heart Rhythm  Sinus rhythm  
 Atrial arrhythmia (atrial flutter, A-fib, frequent premature atrial contractions)  
 Supraventricular tachycardia  
 Ventricular arrhythmia (freq premature ventricular contractions, bigeminy, trigeminy, couplets, triplets, etc)
- f) Pericardial infusion  None  Trivial  Small  Moderate  Severe  Large  Unknown

## QUALITATIVE AND QUANTITATIVE ECHO MEASUREMENTS

Left Atrium (LA)			
1.	LA Volume	<input type="checkbox"/> normal <input type="checkbox"/> moderate <input type="checkbox"/> mild <input type="checkbox"/> severe	LAESVI in ml/sq.m _____ ml/m <sup>2</sup>
2.	LA Diameter	_____ mm	
Right Atrium (RA)			
3.	RA Volume	<input type="checkbox"/> normal <input type="checkbox"/> moderate <input type="checkbox"/> mild <input type="checkbox"/> severe	RAESVI in ml/sq.m _____ ml/m <sup>2</sup>
4.	RA Area	_____ cm <sup>2</sup>	
Left Ventricle (LV)			
5.	LV Mass	_____ gm	
6.	LV Volume	<input type="checkbox"/> normal <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe	LV end systolic dimension LVESD = _____ mm LV end systolic volume LVESV = _____ ml/m <sup>2</sup> LV end diastolic dimension LVEDD = _____ mm LV end diastolic volume LVEDV = _____ ml/m <sup>2</sup> LV posterior wall thickness at end-diastole LVPwD= _____ mm
7.	LV Ejection Fraction	_____ %	
8.	Fractional Shortening	_____ %	
9.	Global Longitudinal Strain	Apical 2 chamber average _____% Apical 4 chamber average _____%	
10.	Septal e' Velocity	_____ cm/s	
11.	Septal E/e' Ratio	_____	

12.	Lateral e' Velocity	_____ cm/s	
13.	Lateral E/e' Ratio	_____	
14.	E/A Ratio	_____	
<b>Right Ventricle (RV)</b>			
15.	RV Size	<input type="checkbox"/> normal <input type="checkbox"/> mildly enlarged <input type="checkbox"/> moderately enlarged <input type="checkbox"/> severely enlarged <input type="checkbox"/> unknown	RV basal diameter _____ mm RV end systolic dimension RVIDs = _____ mm RV end diastolic dimension RVIDd = _____ mm RV wall thickness at end-diastole RVWD = _____ mm
16.	Fractional Area Change	_____ %	
17.	RV Systolic Pressure, Estimated	_____ mmHg	
18.	RV Systolic Excursion Velocity	_____ cm/s	
19.	RV Hypertrophy	<input type="checkbox"/> normal <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe	
20.	RV Function	<input type="checkbox"/> normal <input type="checkbox"/> mildly reduced <input type="checkbox"/> moderately reduced <input type="checkbox"/> severely reduced <input type="checkbox"/> unknown	
21.	Interventricular Septum Diameter	_____ mm	Mention of interventricular septal flattening? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Aortic Valve (AV)</b>			
22.	Aortic Valve Regurgitation	<input type="checkbox"/> none <input type="checkbox"/> trivial <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe	
23.	AV Peak Velocity	_____ m/s	
24.	Left Ventricular Outflow Tract (LVOT) Peak Velocity	_____ m/s	
25.	LVOT Velocity Time Integral	_____ cm	Heart Rate During LVOT Velocity Time Integral _____ beats/min
26.	AV Mean Gradient	_____ mmHg	
27.	LVOT Diameter	_____ mm	
<b>Mitral Valve</b>			
28.	Mitral Valve Regurgitation	<input type="checkbox"/> none <input type="checkbox"/> trivial <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe	
29.	Mitral Inflow Deceleration Time	_____ ms	
30.	E wave Mitral Inflow Velocity	_____ cm/sec	
31.	A wave Mitral Inflow Velocity	_____ cm/sec	
32.	Mitral Inflow Pressure Half Time	_____ ms	
<b>Tricuspid Valve</b>			
33.	Tricuspid Valve Regurgitation	<input type="checkbox"/> none <input type="checkbox"/> trivial <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe	
34.	TR Peak (Jet) Velocity	_____ m/s	
35.	Tricuspid Annular Plane Systolic Excursion (TAPSE)	_____ mm	

Pulmonic Valve		
36.	Pulmonic Valve Regurgitation	<input type="checkbox"/> none <input type="checkbox"/> trivial <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe
Inferior Vena Cava (IVC)		
37.	IVC Diameter	<input type="checkbox"/> Cat 1: <2.1 cm <input type="checkbox"/> Cat 2: >2.1 cm with > 50% collapse <input type="checkbox"/> Cat 3: >2.1 cm with <50% collapse <input type="checkbox"/> Unknown

## B. EKG

a. Date of most recent EKG: |\_|\_|-|\_|\_|-|\_|\_|\_|\_|       EKG not available

b. Reason EKG was done \_\_\_\_\_

Measurement from EKG		Diagnosed?
38.	Arrhythmia	<input type="checkbox"/> Yes → type _____ <input type="checkbox"/> No <input type="checkbox"/> Unknown
39.	Ventricular rate	_____ bpm <input type="checkbox"/> NA
40.	PR Interval	_____ ms <input type="checkbox"/> NA
41.	QRS duration	_____ ms <input type="checkbox"/> NA
42.	QT/QTc	____/____ ms <input type="checkbox"/> NA
43.	P-R-T axes	____ _ <input type="checkbox"/> NA

## C. RIGHT HEART CATHETERIZATION

a. Date of most recent right heart catheterization: |\_|\_|-|\_|\_|-|\_|\_|\_|\_|       Report not available

b. Reason right heart cath was done \_\_\_\_\_

Target		Measurement
44.	RA pressure (mean)	_____ mm/hg <input type="checkbox"/> NA
45.	RV pressure (mean)	_____ mm/hg <input type="checkbox"/> NA
46.	PA pressure (mean)	_____ mm/hg <input type="checkbox"/> NA
47.	Pulmonary artery saturation	_____ % <input type="checkbox"/> NA
48.	Pulmonary vascular resistance	_____ dynes-sec-cm <sup>-5</sup> <input type="checkbox"/> NA
49.	Pulmonary capillary wedge pressure (PCWP or PAWP)	_____ mm/hg <input type="checkbox"/> NA
50.	Cardiac output and index	_____ L/min <input type="checkbox"/> NA