

Table 1: Synoptic Carcinoid Echocardiography Report

Clinical details (to be filled in at time of TTE by the requesting clinical team)

Patient details:	Date of birth:
Gender:	Patient ID:
	Female
	Male
Indication for TTE:	Screening (suspected CHD)
	Follow-up (known CHD)
Referring Physician:	

Assessment at time of TTE

Date and time of TTE:	
Study Location:	
Performed by:	
Previous cardiac surgery:	Yes → which
	No
If valve surgery in the past:	Biological valve
	Metallic valve
Size of valve replacement:	
Type of valve replacement:	
Blood pressure:	mmHg
Heart rate:	bpm
Heart rhythm:	Sinus rhythm
	Other → which
Height:	cm
Weight:	kg
BSA:	m ²

Technique

Quality of cardiac images:	Good
	Fair
	Poor

Right-sided valvular assessment

Tricuspid Valve

Valve apparatus description:

- Regurgitation, Vena Contracta Width with Nyquist limit 50-70 cm/sec:

mm	CHD Score
Normal	0
<3mm: Mild	1
3-6mm: Moderate	2
>6mm: Severe	3

- Stenosis, Mean pressure gradient:

mmHg	
Normal	0
<5mmHg: Mild	1
5-8mmHg: Moderate	2
>8mmHg: Severe	3

Leaflet description (describe the most severely affected leaflet)

- Leaflet thickening (mm):

Normal	0
≥3-<4: Mild	1
≥4-<5: Moderate	2
≥5: Severe	3

- Leaflet excursion:

Normal	0
>50-≤75% of normal:	
Mild	1
>25-≤50% of normal:	
Moderate	2
≤25% of normal of fixed:	
Severe	3

- Leaflet retraction:

Normal	0
Mild	1
Moderate	2
Severe	3

Pulmonary Valve

Valve apparatus description:

- Regurgitation, Vena Contracta Width with Nyquist limit 50-70 cm/sec:
- Regurgitation, pressure half time of PR jet:
- Regurgitation, PR index#:

mm
m/s

		CHD Score
	Normal	0
	<3mm: Mild	1
	3-6mm: Moderate	2
	>7mm: Severe	3
- Stenosis, Vmax:	m/s	
	Normal	0
	<3m/s: Mild	1
	3-4m/s: Moderate	2
	>4m/s: Severe	3
Leaflet description (describe the most severely affected cusp)		
- Cusp thickening (mm):	Normal	0
	≥3-<4: Mild	1
	≥4-<5: Moderate	2
	≥5: Severe	3
- Cusp excursion:	Normal	0
	>50-≤75% of normal:	
	Mild	1
	>25-≤50% of normal:	
	Moderate	2
	≤25% of normal of fixed:	
	Severe	3
- Cusp retraction:	Normal	0
	Mild	1
	Moderate	2
	Severe	3

Right ventricular/atrial assessment

Findings:

Right atrial area:	cm ²
Right ventricular basal diameter (25-41mm):	mm
RV mid diameter (normal 19-35mm):	mm

	CHD Score
	RV < 2/3 of LV size:
	Normal 0
	RV = LV size
	Mild dilatation 1
	Larger than LV size
	Moderate dilatation 2
	Much larger than LV
	Severe dilatation 3
Right ventricular function	
TAPSE (normal <17%):	%
RV area change (normal 35%):	%
Visual assessment:	
Integrated RV assessment:	Normal 0
	Mild impairment 1
	Moderate impairment 2
	Severe impairment 3

Left-sided valvular assessment

Mitral Valve

Valve apparatus description

- Regurgitation, Vena Contracta Width:

mm

Normal	0
<3mm: Mild	1
3-6mm: Moderate	2
≥7mm: Severe	3

- Stenosis, Mean pressure gradient:

mmHg

- Stenosis, Mitral valve area:

cm

Normal	0
<5 mmHg or >1.5cm: Mild	1
6-10mmHg or 1-1.5 cm: Moderate	2
>10mmHg or <1.0cm: Severe	3

	CHD Score
Leaflet description (describe the most severely affected leaflet)	
- Leaflet thickening (mm):	<Normal 0 ≥3-<4: Mild 1 ≥4-<5: Moderate 2 ≥5: Severe 3
- Leaflet excursion:	Normal >50-≤75% of normal: Mild 1 >25-≤50% of normal: Moderate 2 ≤25% of normal of fixed: Severe 3
- Leaflet retraction:	Normal 0 Mild 1 Moderate 2 Severe 3
Aortic Valve	
Valve apparatus description	
- Regurgitation, Vena Contracta Width:	mm Normal 0 <3mm: Mild 1 3-6mm: Moderate 2 >6mm: Severe 3
- Stenosis, Vmax:	m/s
- Stenosis, mean pressure gradient:	mmHg
	Normal 0 <3m/s or <20 mmHg: Mild 1 3-4m/s or 20-39 mmHg: Moderate 2 4m/s or >40 mmHg: Severe 3

Cusp description (describe the most severely affected cusp)		CHD Score
- Cusp thickening (mm):	Normal	0
	≥3-<4: Mild	1
	≥4-<5: Moderate	2
	≥5: Severe	3
- Cusp excursion:	Normal	0
	>50-≤75% of normal:	
	Mild	1
	>25-≤50% of normal:	
	Moderate	2
	≤25% of normal of fixed:	
	Severe	3
- Cusp retraction:	Normal	0
	Mild	1
	Moderate	2
	Severe	3

Carcinoid heart disease score

Score tricuspid valve:

Score pulmonary valve:

Score mitral valve:

Score aortic valve:

Score right ventricle:

Total Carcinoid heart disease score:

Left ventricular/atrial assessment

Findings:

Left atrial Volume: ml

LV size

- EDD: cm

- ESD: cm

- EDV: ml

- ESV: ml

LVEF: %

Structural abnormalities:

Patent foramen ovale:

Present

Absent

Not assessed

Other relevant findings:

Conclusions:

ID: identification number; BSA: body surface area; bpm: beats per minute; m: metres; cm: centimetres, kg: kilograms; mmHg: millimetres of mercury; PHT: pressure half-time; TR: Tricuspid regurgitation; MR: Mitral regurgitation; PR: Pulmonary regurgitation; AR: Aortic regurgitation; TS: Tricuspid stenosis; MS: Mitral stenosis; PS: Pulmonary stenosis; AS: Aortic stenosis; LVEF: left ventricular ejection fraction; TTE: Transthoracic echocardiography
PR index: Duration of the PR signal divided by the total duration of diastole