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Echocardiography: Pocketcard Set

Echocardiography pocketcard Set

Aortic Stenosis (AS)

	Peak Velocity (m/s)	Peak Gradient (mm Hg)
Normal	1.0	< 10
Mild	2.0-2.9	20-40
Moderate	3.0-4.0	40-60
Severe	> 4.0	> 60

	Mean Gradient (mm Hg)	Valve Area (cm ²)
Normal	—	2.5-3.5
Mild	< 20	> 1.5
Moderate	20-40	1.0-1.5
Severe	> 40	< 1.0

Mitral Stenosis (MS)

	Mean Grad (mm Hg)	Area (cm ²)
Normal	< 5	< 6
Mild	< 5	< 1.5
Moderate	5-10	1.0-1.5
Severe	> 10	< 1.0

MV Pressure Half Time in MS

Normal	30-60 msec
Mild	60-100 msec
Moderate	100-150 msec
Severe	> 150 msec

MS Morphology Scoring

Morphology	Pts
Highly mobile with retracted leaflet tips	3
Leaflet middle and base antrioventricular	2
Leaflet tips and base forward in diastole, mainly from the base	1
No or minimal forward movement of leaflet in diastole	0
Thickening	
Mean normal thickness (3 mm)	1
Mild leaflet normal, marked thickening in mitral (5-6 mm)	1
Thickening extending through entire leaflet (5 mm)	2
Marked thickening of all leaflet areas (5-6 mm)	3

Subvalvular apparatus

Minimal thickening below the mitral leaflets	1
Thickening of chordal structures extending into one third of chordal length	2
Thickening extending to the distal third of chordal length	3
Extensive thickening and overgrowth of all chordal structures	4

Calcification

A single area of increased echogenicity	1
Scattered areas of brightness confined to leaflet margins	2
Brightness extending into the mid portion of the leaflets	3
Extensive brightness throughout much of the leaflet tissue	4

Interpretation

Score 0-8 = MS appropriate for valvulopathy	
Score 9-10 = MS not appropriate for valvulopathy	

Pulmonary Stenosis (PS)

	Peak Gradient (mm Hg)	Peak Velocity (m/s)
Mild	< 30	< 3
Moderate	30-40	3-4
Severe	> 40	> 4

Tricuspid Stenosis (TS)

	Mean Gradient (mm Hg)	Valve Area (cm ²)
Normal	—	7-9
Mild	< 2	—
Moderate	2-5	—
Severe	> 5	< 1

Valvular Regurgitation

Valve	Normal Peak Velocity
Aortic	2-5 m/s
Mitral	4-6 m/s
Pulmonic	> 1.5 m/s
Tricuspid	2.5 m/s

Aortic Regurgitation (AR)

	Deceleration Rate (m/s ²)	Half Time (sec)
Mild	< 2	> 500
Moderate	2-3	250-500
Mild-Severe	> 3	100-250
Severe	> 3	< 100

Mitral Regurgitation (MR)

	Jet Area (cm ²)	MS (cm ²)
Mild	< 10 cm ² = 20% LA	< 0.3
Mild-Moderate	4-10 cm ² = 20%-30% LA	< 0.7
Moderate	6-10 cm ² = 20-40% LA	< 0.7
Severe	> 10 cm ² = 40% LA	> 0.7
Regurg Vol	Regurg Vol	Regurg Vol
Mild	< 30	< 30
Mild-Moderate	30-40	30-40
Moderate	40-60	40-60
Severe	> 60	> 60

Mitral Valve Scallop - TEE

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Synopsis

Pocket-sized laminated card offers quick access to instructions on how to read an ECG. Includes tamponade vs. cardiomyopathy, differential diagnosis, abnormal LV filling patterns, estimation of right atrial pressure, normal diastolic indices, classification of diastolic dysfunction, and more. For clinicians.

Book Information

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Customer Reviews

Handy. I am a reader at a hospital, and refer to the cards for normal values. Two problems:1.Print is a bit small2. Its time to bring them up to date.

i'm still in school but already seeing it useful in clinic work. quick guide with most common normal values. I took the button off so i can flip 2 pages easily.

Very practical, good to have in your pocket, especially for cardiology fellows or residents. It has all the important values you need.

A good quick reference guide. Quite busy and needs updating based on the new ASE guidelines.

The values of vena contracta in mitral regurgitation are wrong. Perhaps a printing error.

Excellent tool when you doing an echocardiogram.

Good pocket cards. Good buy. Would be PERFECt and great if the cards are split into few smaller cards that fits the pocket.

I really like these. All the info you need from the Reynolds in one place and no where near as heavy!

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