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Echocardiography: Pocketcard Set

Echocardiography pocketcard Set

Aortic Stenosis (AS)

	Peak Velocity (m/s)	Peak Gradient (mm Hg)
Normal	1.0-2.0	< 10
Mild	2.0-2.9	< 30
Moderate	3.0-4.0	30-60
Severe	> 4.0	> 60

Mitral Stenosis (MS)

	Mean Gradient (mm Hg)	Valve Area (cm ²)
Normal	< 10	2.5-3.5
Mild	< 20	> 1.5
Moderate	20-40	1.0-1.5
Severe	> 40	< 1.0

MV Pressure Half Time in MS

	Mean Grad (mm Hg)	Area (cm ²)
Normal	< 5	4-6
Mild	< 10	> 1.5
Moderate	10-30	1.0-1.5
Severe	> 30	< 1.0

MV Pressure Half Time in MS

	Normal	Abnormal
Normal	30-50 msec	40-80 msec
Mild	30-50 msec	40-80 msec
Moderate	30-50 msec	40-80 msec
Severe	30-50 msec	40-80 msec

MS Morphology Scoring

Morphology	Pts
Mobility	
Highly mobile with retracted leaflet tips	3
Leaflet middle and base with normal mobility	2
Leaflet confined to move forward in diastole, usually from the base	1
No or minimal forward movement of leaflet in diastole	0
Thickening	
Normal normal thickness (5-10mm)	3
Mild leaflet normal, minimal thickening in margin (5-10mm)	2
Thickening extending through entire leaflet (5-10mm)	1
Marked thickening of all leaflet tissue (10-12mm)	0

Subvalvular apparatus

	Pts
Normal	3
Thickening of chordal structures extending into one half of the chordal length	2
Thickening extending to the distal third of chordal length	1
Extensive thickening and shortening of all chordal structures	0

Calcification

	Pts
Auspicious of increased echogenicity	3
Scattered areas of brightness and lead to leaflet hangings	2
Leaflet tissue extending into the oral portion of the leaflet	1
Dense echogenicity throughout much of the leaflet tissue	0

Interpretation

Score 0-4 = MS appropriate for valvulopathy	
Score 5-6 = MS not appropriate for valvulopathy	

Pulmonic Stenosis (PS)

	Peak Velocity (m/s)	Peak Velocity (cm/s)
Normal	< 3.0	< 3
Mild	3.0-4.0	3-4
Moderate	> 4.0	> 4

Tricuspid Stenosis (TS)

	Mean Gradient (mm Hg)	Valve Area (cm ²)
Normal	< 10	> 2.0
Mild	< 20	> 1.5
Moderate	20-40	1.0-1.5
Severe	> 40	< 1.0

Valvular Regurgitation

	Normal Peak Velocity
Aortic	3-5 m/s
Mitral	4-6 m/s
Pulmonic	< 1.5 m/s
Tricuspid	2.5 m/s

Aortic Regurgitation (AR)

	Reversal Flow Index (%)	Flow Half Time (msec)
Normal	< 5	> 500
Mild	5-10	350-500
Moderate	10-20	200-350
Severe	> 20	< 200

Mitral Regurgitation (MR)

	Jet Area (cm ²)	VR Area (cm ²)
Normal	< 4 cm ² or < 20% LA	< 0.3
Mild	4-6 cm ² or 20-30% LA	< 0.3
Moderate	6-10 cm ² or 30-40% LA	> 0.3
Severe	> 10 cm ² or > 40% LA	> 0.7
	Regurg Vol (ml)	Regurg Vol (ml)
Normal	< 30	< 30
Mild	30-60	30-60
Moderate	60-120	60-120
Severe	> 120	> 120

Mitral Valve Scalloping - TEE



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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