

Supplementary material**Addendum A****World Heart Federation criteria for echocardiographic diagnosis of rheumatic heart disease**

For definite RHD (either A,B,C or D)
A: Pathological MR and ≥ 2 morphological features of RHD of the MV
B: MS (mean gradient ≥ 4 mmHg)
C: Pathological AR and ≥ 2 morphological features of RHD of the AV
D: Borderline disease of both the MV and AV
For borderline RHD (either A, B or C)
A: ≥ 2 morphological features of RHD of the MV without pathological MR or MS
B: Pathological MR
C: Pathological AR
Echocardiographic criteria for pathological regurgitation
Doppler echocardiographic criteria for MR (all four must be met)
1. Seen in two views
2. In at least one view, jet length ≥ 2 cm
3. Velocity ≥ 3 m/s for one complete envelope
4. Pan-systolic jet in at least one envelope
Doppler echocardiographic criteria for AR (all four must be met)
1. Seen in two views
2. In at least one view, jet length ≥ 1 cm
3. Velocity ≥ 3 m/s for one complete envelope
4. Pan-diastolic jet in at least one envelope
Echocardiographic criteria for morphological features of RHD
Features in the MV
• AMVL thickening ≥ 3 mm
• Chordal thickening
• Restricted leaflet motion
• Excessive leaflet tip motion during systole
Features in the AV
• Irregular or focal thickening
• Coaptation defect
• Restricted leaflet motion
• Prolapse

MR, mitral regurgitation; MV, mitral valve; MS, mitral stenosis; AR, aortic regurgitation; AV, aortic valve; RHD, rheumatic heart disease

