

**Appendix 1***List of string text variables used for exclusion of Primary / DMR*

If the string text variable listed was present in the study report or conclusion, the study was excluded from analysis as 'primary / DMR'.

Mitral valve prolapse	Barlow
MVP	Perforated mitral
MV prolapse	Leaflet perforation
Posterior mitral leaflet prolapse	Mitral valve endocarditis
Anterior mitral leaflet prolapse	Mitral vegetation
Partial mitral valve prolapse	Mitral valve vegetation
Barlow's syndrome	Vege on the mitral valve
Mitral prolapse	Vegetation on the mitral valve
Anterior leaflet prolapse	Mitral valve vege
Posterior leaflet prolapse	Mitral valve mass
Bi-leaflet prolapse	Mitral mass
Prolapse of both mitral leaflets	Mitral systolic anterior motion
Prolapsed mitral leaflets	Mitral SAM
Mitral valve leaflet prolapse	Anterior leaflet systolic motion
Mitral valve flail	Systolic anterior motion of the anterior mitral leaflet
Mitral valve partial flail	Mitral leaflet SAM
Ruptured chord	Mitral leaflet systolic anterior motion
Ruptured chordae	Anterior mitral leaflet motion in systole
Flail leaflet	Systolic anterior mitral leaflet motion
Flail chord	
Flail chordae	

**Appendix 2**

*Echocardiographic quantitative cut-points used for categorisation of chamber size and LV function*<sup>15-17</sup>

Parameter	Definition
Dilated LA, moderate	LAVi >41ml/m <sup>2</sup> or LAA >30cm <sup>2</sup>
Dilated LA, severe	LAVi >48ml/m <sup>2</sup> or LAA >40cm <sup>2</sup>
Dilated LV, moderate	LVEDV >175ml (M) / >109ml (F) or LVEDVi ≥90ml (M) / ≥71ml (F) or LVEDD ≥64mm (M) / ≥57mm (F) or LVEDDi >34mm (M) / >35mm (F)
Dilated LV, severe	LVEDV >200ml (M) / >130ml (F) or LVEDVi >100 ml (M) / ≥ 80ml (F) or LVEDD >68mm (M) / >61mm (F) or LVEDDi >36mm (M) / >37mm (F)
LV EF	Simpson's Biplane or echocardiologist judgement

*LAV = left atrial volume, LAVi = LAV indexed to body surface area (BSA), LAA = left atrial area, LVEDV = left ventricular end-diastolic volume, LV EF = left ventricular ejection fraction, LVEDVi = LVEDV indexed to BSA, LVEDD = left ventricular end diastolic diameter, LVEDDi = LVEDD indexed to BSA*