

Case Report Form for Rheumatic Heart Disease Cases:

1. Unique Identifier: (write number) 11 _____

(apply sticker)

2. Case-Control Status: (tick one) Case Control

3. Sex: (tick one) Male Female

4. Country: (tick one) Fiji New Caledonia

5. Reported Ethnicity: (tick one)
 Melanesian Wallisian or Futunan
 Other Pacific Islander Asian
 Caucasian Mixed or Other

6. Year of Birth: (write year) _____

Inclusion criteria:

7. Year of diagnosis? (write year) _____ (9999 = Unknown)

8. Headline RHD diagnosis - **if none apply exclude:**
(tick one) RHD based on surgical findings → SKIP QUESTION 9-12
 RHD based on MS with MV area < 2.0 cm² → SKIP QUESTION 9-12
 RHD based on MS with mean gradient ≥ 4 mmHg → SKIP QUESTION 9-12
 Other Definite RHD based on WHF echo criteria → GO TO QUESTION 9
 Borderline RHD based on WHF criteria and ARF (age ≤ 20) → SKIP QUESTION 9

Echocardiographic features where diagnosis was echocardiographic:

9. Diagnostic category for definite RHD based on WHF guideline?
(tick one) Pathological MR with ≥ 2 morphological features at the MV → SKIP QUESTION 10, 12
 Pathological AR with ≥ 2 morphological features at the MV → SKIP QUESTION 10, 12
 Pathological AR with ≥ 2 morph. features at the AV (age < 35) → SKIP QUESTION 10-11
 SKIPPED Pathological MR and pathological AR (age ≤ 20) → SKIP QUESTION 10-12

10. Diagnostic category for borderline RHD where there is a history of ARF (age < 20)?
(tick one) At least two morphological features of RHD of the MV without pathological MR or MS
 Pathological MR → SKIP QUESTION 11-12
 SKIPPED Pathological AR → SKIP QUESTION 11-12

11. Morphologic features at the MV?
(tick applicable) AMVL thickening ≥ 3 mm (age-specific)
 Chordal thickening
 Restricted leaflet motion
 Excessive leaflet tip motion during systole
 SKIPPED Flail in age ≤ 20 years (counted as two morphological features)

12. Morphological features at the AV?
(tick applicable) Irregular or focal thickening
 Coaptation defect
 Restricted leaflet motion
 SKIPPED Prolapse

Clinical and echocardiographic features of severity:

13. Year of last echocardiogram? (write year) _____ (9999 = Unknown)

14. Mitral regurgitation - Echocardiography report: (tick one)
 None
 Mild
 Moderate
 Severe
 Unknown

15. Mitral stenosis - Echocardiography report: (tick one)
 None
 Mild
 Moderate
 Severe
 Unknown

16. Aortic regurgitation - Echocardiography report: (tick one)
 None
 Mild
 Moderate
 Severe
 Unknown

17. Aortic stenosis - Echocardiography report: (tick one)
 None
 Mild
 Moderate
 Severe
 Unknown

18. Tricuspid regurgitation - Echocardiography report: (tick one)
 None
 Mild
 Moderate
 Severe
 Unknown

19. LV systolic ejection fraction < 60%? (tick one)
 No
 Yes
 Unknown

20. Evidence of symptomatic heart failure at **peak** of symptoms?
(tick one) No undue disruption of ordinary activities (NYHA I)
 Comfortable at rest with breathlessness on ordinary activities (NYHA II)
 Less than ordinary activity causes breathlessness which is limiting (NYHA III)
 Breathlessness at rest and difficulty with all activities (NYHA IV)

Clinical features at presentation and complications

21. Clinical features at presentation?
(tick applicable) ARF (Jones Crit. Definite) other diagnosis of ARF murmur on clinical exam
 during pregnancy stroke or embolism cardiac failure
 atrial fibrillation/SVT endocarditis screening
 other none

22. Complications since presentation:
(tick applicable) heart valve surgery thrombosis of prosthesis stroke or embolism
 cardiac failure atrial fibrillation/SVT endocarditis
 other none

23. Province of Residence
(tick one) Belep Bouloupari Bourail Canala
 Dumbéa Farino Hienghène Houaïlou
 Kaala-Gomen Koné Kouaoua Koumac
 L'Île-des-Pins La Foa Le Mont-Dore Lifou
 Maré Moindou Nouméa Ouégoa
 Ouvéa Païta Poindimié Ponérihouen
 Pouébo Pouembout Poya
 Sarraméa Thio Touho Voh
 Yaté