**Figure S1. Schematic diagram showing the selection process of the patient population**

OHS, open heart surgery; AR, aortic regurgitation; BD, Behcet’s disease.

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**Figure S2. Kaplan-Meier estimates of freedom from paravalvular leakage (PVL) stratified by satisfaction of the International Study Group (ISG) criteria**

The PVL developed more frequently in patients who did not meet the ISG criteria, whereas no patients who definitely met the ISG criteria had PVL. *BD*, Behcet’s disease



**Figure S3. Kaplan-Meier estimates of freedom from paravalvular leakage (PVL) in patients who received postoperative immunosuppressive therapy (IST), stratified by the use of preoperative (preop) IST**

Preoperative IST was not an independent predictor of less PVL development in patients who received postoperative IST.

