

Supplementary Table S1. Detailed surgical management.

Case n°	Redo cardiac surgery	Substitute	CPB arterial cannulation site	CPB Time (min)	Aortic cross-clamp time (min)	Circulatory arrest time (min)	Extracorporeal cytokine adsorber	Second redo cardiac surgery	Substitute
1	Aortic root replacement Permanent epicardial PM implantation	Aortic homograft	Aorta	138	118	NA	No	NA	
2	Aortic root replacement	Aortic homograft	Aorta	160	141	NA	No	NA	
3	Annuloplasty ring and Gore –Tex neo-chordae extraction Mitral valve reconstruction	Annuloplasty ring Gore-Tex neo-chorda	Femoral artery	323	200	NA	Yes	Annuloplasty ring extraction Mitral chordae transfer	Autologous
4	Aortic root, AA, and hemiarch replacement Permanent PM extraction, epicardial PM implantation	Aortic homograft Bovine pericardial tube	Aorta	367	272	22	Yes	NA	
5	Aortic root, AA, and hemiarch replacement	Aortic homograft Bovine pericardial tube	Aorta	161	137	10	Yes	NA	
6	Aortic root and AA replacement	Aortic homograft	Aorta	193	164	NA	Yes	NA	
7	AA and hemiarch replacement	Aortic homograft	Right axillary artery	133	66	14	Yes	Distal AA replacement	Bovine pericardial tube

PM: pacemaker

AA: ascending aorta

CPB: cardiopulmonary bypass

NA: not applicable