**Supplemental Table S1:** Background of the patients implanted ICD for secondary prevention.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Age (Years)** | **Sex** | **Underlying Congenital Heart Disease** | **Systemic Ventricular EF (%)** | **Pre-Exist Ventricular Arrhythmia** |
| 20 | M | AAOCA | 60 | VF |
| 61 | M | cTGA | 50 | VT/VF |
| 32 | F | TOF | 34 | VT |
| 53 | M | BAV\* | 60 | VF |
| 62 | M | Ebstein disease | 55 | VF |
| 40 | M | BAV† | 25 | VF |
| 56 | F | VSD | 23 | VF |
| 62 | F | BAV\* | 60 | VF |
| 17 | M | AAOCA | 49 | VF |
| 53 | M | BAV† | 60 | VF |
| 26 | M | DORV | 79 | VF |
| 51 | M | TOF | 43 | VT |
| 19 | M | DORV | 59 | VT |
| 51 | M | VSD | 46 | VT |
| 62 | M | BAV† | 16 | VT |
| 39 | F | Ebstein disease | 55 | VF |
| 41 | F | Congenital CAVB | 45 | VF |

\*The patients had mild to moderate aortic valve insufficiency. †The patients had severe aortic insufficiency and underwent aortic valve replacement before ICD implantation. AAOCA, anomalous aortic origin of coronary artery; BAVs, bicuspid aortic valves; CAVB, complete atrioventricular block; cTGA, congenitally corrected transposition of great artery; DORV, double-outlet right ventricle; EF, ejection fraction; F, female; ICD, implantable cardioverter-defibrillator; M, male; TOF, tetralogy of Fallot; VSD, ventricular septal defect; VF, ventricular fibrillation; VT, ventricular tachycardia.