**Supplementary Material 3.**

**A.** Aortic Valve Complex Calcification in Patients with Early and Late Recovery of Conduction.

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|  | **Non-RV Pacing Dependent at 10 days****(*n* = 8)** | **Non-RV Pacing Dependent at 30 days but RV-Pacing Dependent at 10 days****(*n* = 8)**  | ***p* value** |
| Mean Attenuation | 376.8± 99.0 | 331± 50.0 | 0.47 |
| HU Cutoff | 559.9± 27.9 |  519.8± 88.8 | 0.24 |
| Total Calcium Volume | 416.1± 301.2 |  424.4± 242.5 | 0.95 |
| LVOT Calcium volume | 30.1± 29.7 |  32.6± 41.1 | 0.89 |
| Annulus Calcium volume | 90.8± 63.6 |  94.9± 37.4 | 0.88 |
| RCC Leaflet Calcium Volume | 108.4±140.7 |  106.1± 104.9 | 0.97 |
| NCC Leaflet Calcium Volume | 113.5± 67.3 |  113.6± 63.4 | 0.997 |
| LCC Leaflet Calcium Volume | 91.7± 90.9 | 91.1± 89.2 | 0.99 |
| Total leaflet Calcium Volume | 313.6± 279.2 |  310.8± 233.7 | 0.98 |

**B.** Aortic Valve Complex Calcification in Patients with Early Recovery of Conduction and No Recovery of Conduction.

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|  | **Non-RV Pacing Dependent at 10 days****(*n* = 8)** | **RV Pacing Dependent at 30 days** **(*n* = 8)**  | ***p* value** |
| Mean Attenuation | 376.8± 99.0 | 336.6± 87.6 | 0.40 |
| HU Cutoff | 559.9± 27.9 | 525± 70.7 | 0.22 |
| Total Calcium Volume | 416.1± 301.2 |  783.5± 622.1 | 0.15 |
| LVOT Calcium volume | 30.1± 29.7 | 102.9± 202.8 | 0.33 |
| Annulus Calcium volume | 90.8± 63.6 | 117.9± 120.6 | 0.58 |
| RCC Leaflet Calcium Volume | 108.4±140.7 | 119.7±121.5 | 0.87 |
| NCC Leaflet Calcium Volume | 113.5± 67.3 | 342.0± 290.8 | 0.048 |
| LCC Leaflet Calcium Volume | 91.7± 90.9 | 139.9±132.7 | 0.41 |
| Total leaflet Calcium Volume | 313.6± 279.2 |  601.6± 504.9 | 0.18 |

**C.** Aortic Valve Complex Calcification in Patients with Late Recovery of Conduction and No Recovery of Conduction.

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|  | **Non-RV Pacing Dependent at 30 days but RV Pacing Dependent at 10 days****(*n* = 8)** | **RV Pacing Dependent at 30 days** **(*n* = 8)**  | ***p* value** |
| Mean Attenuation | 331± 50.0 | 336.6± 87.6 | 0.93 |
| HU Cutoff |  519.8± 88.8 | 525± 70.7 | 0.90 |
| Total Calcium Volume |  424.4± 242.5 |  783.5± 622.1 | 0.15 |
| LVOT Calcium volume |  32.6± 41.1 | 102.9± 202.8 | 0.35 |
| Annulus Calcium volume |  94.9± 37.4 | 117.9± 120.6 | 0.61 |
| RCC Leaflet Calcium Volume |  106.1± 104.9 | 119.7±121.5 | 0.81 |
| NCC Leaflet Calcium Volume |  113.6± 63.4 | 342.0± 290.8 | 0.048 |
| LCC Leaflet Calcium Volume | 91.1± 89.2 | 139.9±132.7 | 0.40 |
| Total leaflet Calcium Volume |  310.8± 233.7 |  601.6± 504.9 | 0.16 |

The p-values shown are derived from two-tailed unpaired Student’s t-test for continuous variables. Patients who were non-RV pacing dependent at 30 days and patients who were RV pacing dependent at 30 days patients were separately compared. Continuous variables are reported as the mean plus or minus the standard deviation. HU = Hounsfield Units; LVOT = Left Ventricular Outflow Tract; RCC = Right Coronary Cusp; NCC = Non-coronary Cusp; LCC = Left Coronary Cusp; RV = Right Ventricular