**Supplementary Material 1.** Comparison of Calcium Volume Distribution by Leaflet.

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|  | **RV Pacing Dependent at 30 days (n = 8)** | **Non-RV Pacing Dependent at 30 days (n = 16)** | **P-value** |
| NCC Calcium Ratio | 52.3% | 45.2% | 0.42 |
| LCC Calcium Ratio | 27.2% | 29.2% | 0.83 |
| RCC Calcium Ratio | 20.3% | 25.6% | 0.45 |

Ratio of the calcium volume in each leaflet compared to the entire upper leaflet zone calcium volume. The p-values shown are derived from a two-sample test of proportions. RCC = Right Coronary Cusp; NCC = Non-coronary Cusp; LCC = Left Coronary Cusp