**Supplemental Table 2. Extra details of characteristics of each study for exploration of heterogeneity factors.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mean time of CPB** | **Mean time of CCT** | **Total mean LVEF** | **Total BB** | **Total. Statin** | **Total ACEI** | **Total Diuretic** | **Total Hx of MI** | **Total CS** | **Total HTN** | **Total DM** | **Total male** | **Total age** | **Total N** | **Geographic Area** | **First Author** |
| 100 | 75.875 | ND | ND | 28.15 | ND | ND | ND | ND | 55.9 | 18.45 | 70.05 | 65.45 | 657 | European | Jacob [12] |
| 85 | 52.625 | 53.25 | 66.4 | 41.95 | 30.55 | ND | ND | 39.65 | 43.35 | 34.35 | 80.35 | 61.5 | 662 | European | Saskin [13]  |
| 83.25 | 52.15 | 55.5 | ND | ND | ND | ND | ND | 40.05 | 59.6 | 34.85 | 50 | 60.25 | 1138 | European | Saskin [14] |
| ND | ND | 52.85 | 100 | 100 | 91.55 | 53.4 | ND | 42.9 | 93.55 | 61.6 | 88.1 | 65.25 | 106 | European | Cerit [15] |
| ND | ND | 57.15 | 83.25 | 70.05 | 79.35 | 11.05 | 55.8 | 31.7 | 100 | 22.35 | 82.75 | 66.75 | 81 | European | Anatolevna [16] |
| ND | ND | 50 | ND | ND | ND | ND | 33 | 54 | 64 | 42 | 79 | 62.5 | 94 | European | Gecmen [17] |
| ND | 62 | 54.25 | 91.5 | 99 | 64 | ND | ND | 39.5 | 94.5 | 28.5 | 72 | 66.55 | 109 | European | Korantzopoulos [18] |
| 60 | 52 | ND | 86 | 64 | 56.5 | 47.5 | ND | 28 | 94 | 56.5 | 69.5 | 70 | 38 | European | Narducci [19] |
| ND | ND | 54.85 | ND | ND | ND | ND | ND | 11.05 | 50.25 | 17.1 | 73.7 | 61.3 | 444 | European | Limite [20] |
| ND | ND | 52 | ND | ND | ND | ND | ND | 28.5 | 48.5 | 41 | 79.365 | 65.95 | 165 | European | Erdem [21] |
| 104.965 | 57.155 | 47.8 | 86.5 | 63.5 | 7 | ND | ND | 81.5 | 80.5 | 26.5 | 74.5 | 60.55 | 132 | European | Ertas [22] |
| 82.145 | 54.805 | 53.015 | 47.72 | ND | ND | ND | ND | 67.455 | 66.755 | 42.775 | 75.87 | 63.1 | 523 | European | Durukan [23] |
| ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 71.7 | 62.2 | 45 | European | Sabol [24] |
| 103.9 | 66.25 | 42.05 | 52.4 | 64.15 | 59.4 | ND | ND | ND | 73 | 30.3 | 78.65 | 67.95 | 180 | South America | Garcia [25] |
| 99.1 | 67.3 | 54.85 | 60 | 43.35 | 48.35 | ND | ND | ND | ND | ND | ND | 62.3 | 40 | European | Gungor [26] |
| ND | ND | 51.1 | 100 | ND | ND | ND | 45.7 | 32.65 | 83.8 | 17.65 | 88.1 | 65.1 | 100 | European | Kaireviciute [27] |
| 72.25 | 40.875 | 51.55 | 75 | 95 | 60.5 | ND | 50 | 11.75 | 68.25 | 18 | 84.45 | 65.5 | 275 | European | Gibson [28] |
| ND | ND | 49.7 | 71.85 | 57.75 | 47.55 | ND | 36.95 | 58 | 73.75 | ND | 70.65 | 68.55 | 550 | North America | Sood [29] |
| ND | ND | 54.5 | 73 | 70 | 25 | ND | 36.5 | ND | 71.5 | 44 | 72.46 | 65.85 | 315 | Asia | Choi [30] |
| 67.9 | ND | 48 | 67.85 | 50.85 | ND | ND | 32.8 | ND | 71.9 | ND | 84.25 | 71.05 | 60 | America | Fontes [31] |
| 87.1 | ND | ND | 35.45 | ND | ND | ND | ND | ND | 62.3 | 23.9 | 59.25 | 65.6 | 253 | European | Lamm [32] |
| ND | ND | 50.7 | 61 | 50 | ND | ND | ND | ND | 69.5 | ND | 68.5 | 62.8 | 181 | America | Abdelhadi [33] |
| **Abbreviation:** N: Number, DM: Diabetes Mellitus, HTN: Hypertension, CS: Cigarette Smoking, Hx: History, MI: Myocardial Information, ACEI: Angiotensin Converting Enzyme Inhibitor, BB: Beta-Blocker, LVEF: Left Ventricle Ejection Fraction, CCT: Cross-Clamp Time, CPB: Cardiopulmonary Bypass, ND: No Data. |