|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | GLS | SV | LVEF | LAVI | LA EF | LA Active EF | LA Conduit EF |
|  | β | p | β | p | β | p | β | p | Β | p | β | p | β | p |
| Age | 0.178 | 0.156 | -0.041 | 0.757 | 0.088 | 0.487 | **0.283** | **0.019** | -0.122 | 0.354 | -0.146 | 0.215 | 0.179 | 0.188 |
| Laterality | 0.158 | 0.280 | -0.091 | 0.569 | 0.016 | 0.912 | -0.048 | 0.731 | 0.080 | 0.600 | -0.181 | 0.196 | -0.149 | 0.348 |
| AI | **0.330** | **0.008** | -0.162 | 0.207 | 0.027 | 0.824 | 0.072 | 0.529 | *-0.236* | *0.065* | **-0.422** | **<0.001** | 0.000 | 1.000 |
| Hypertension | -0.123 | 0.356 | -0.048 | 0.737 | -0.235 | 0.086 | -0.135 | 0.289 | 0.011 | 0.936 | 0.049 | 0.695 | -0.254 | 0.081 |
| Smoking | 0.062 | 0.587 | 0.019 | 0.876 | 0.084 | 0.473 | 0.008 | 0.940 | 0.108 | 0.383 | **0.258** | **0.022** | 0.188 | 0.142 |
| BMI | 0.114 | 0.488 | -0.076 | 0.574 | -0.065 | 0.625 | **0.273** | **0.031** | 0.194 | 0.155 | 0.042 | 0.723 | 0.246 | 0.078 |
| Dmean heart | 0.002 | 0.987 | -0.037 | 0.809 | -0.050 | 0.737 | 0.090 | 0.517 | -0.200 | 0.186 | 0.090 | 0.504 | -0.141 | 0.365 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | IVRT | Dt | MitralE | TIgradient | Tapse | proBNP | TnT |
|  | β | p | β | p | β | p | β | p | β | p | β | p | β | p |
| Age | -0.033 | 0.784 | -0.051 | 0.677 | 0.027 | 0.830 | 0.137 | 0.337 | 0.016 | 0.903 | **0.315** | **0.007** | 0.232 | 0.055 |
| Laterality | -0.051 | 0.718 | 0.117 | 0.421 | 0.031 | 0.838 | 0.093 | 0.569 | -0.024 | 0.873 | 0.042 | 0.752 | -0.006 | 0.967 |
| AI | 0.178 | 0.127 | 0.062 | 0.600 | 0.026 | 0.833 | 0.077 | 0.553 | -0.160 | 0.209 | 0.159 | 0.151 | 0.157 | 0.174 |
| Hypertension | 0.088 | 0.492 | 0.021 | 0.882 | -0.082 | 0.550 | -0.102 | 0.478 | 0.062 | 0.655 | 0.051 | 0.674 | 0.211 | 0.101 |
| Smoking | 0.070 | 0.525 | 0.017 | 0.880 | -0.177 | 0.135 | **-0.260** | **0.045** | 0.018 | 0.878 | -0.057 | 0.587 | -0.048 | 0.664 |
| BMI | **-0.320** | **0.013** | -0.217 | 0.096 | 0.008 | 0.952 | -0.261 | 0.064 | -0.048 | 0.722 | 0.157 | 0.193 | -0.018 | 0.889 |
| Dmean heart | **0.299** | **0.035** | -0.256 | 0.078 | 0.122 | 0.412 | 0.292 | 0.076 | 0.206 | 0.179 | 0.151 | 0.257 | 0.192 | 0.170 |

**Supplementary table 1**. A multivariate linear regression analysis of all patients (n=80).

Abbreviations: *AI* aromatase inhibitor use, *BMI* body mass index, *Dmean heart* the mean heart radiation dose, *GLS* global longitudinal strain, *SV* stroke volume, *LVEF* left ventricular ejection fraction, *LAVI* the maximal left atrial volume, *IVRT* isovolumetric relaxation time, *Dt* deceleration time, *Mitral E* first peak of diastole, active filling, *EA* ratio of diastolic peaks E and A, *LAVI* left atrial volume at the end systole, *LA EF* left atrial ejection fraction, *TI gradient* tricuspid regurgitation gradient, *TAPSE* tricuspid annular plane systolic excursion, *proBNP* pro-brain natriuretic peptide, *TnT* high-sensitivity cardiac troponin T