Supplementary Table 3 Coefficient of each feature to create the axes of PC 1 and 2 for validation data

|  |  |  |
| --- | --- | --- |
|  | PC1 | PC2 |
| Age | 0.219 | 0.039 |
| Male | -0.115 | -0.174 |
| Body mass index | -0.133 | -0.114 |
| Heart rate | 0.107 | 0.334 |
| Systolic blood pressure | 0.061 | 0.172 |
| Diastolic blood pressure | -0.049 | 0.284 |
| Mean blood pressure | -0.012 | 0.309 |
| Underlying disorders |  |  |
|  Hypertension | -0.011 | -0.082 |
|  Diabetes mellitus | -0.011 | -0.170 |
|  Hyperlipidemia | -0.056 | -0.168 |
|  Chronic obstructive pulmonary disease | 0.049 | -0.176 |
|  Prior coronary revascularization | -0.060 | -0.230 |
|  Atrial fibrillation | 0.235 | 0.001 |
| Medications |  |  |
|  ACEI/ARB | 0.111 | -0.113 |
|  Beta-blockers | 0.055 | -0.238 |
|  Calcium channel blockers | 0.002 | 0.037 |
|  Loop diuretics | 0.220 | 0.125 |
| eGFR | -0.194 | -0.056 |
| Hemoglobin | -0.230 | -0.009 |
| Brain natriuretic peptide | 0.273 | -0.057 |
| Symptoms and signs of HFpEF |  |  |
|  Dyspnea on exertion | -0.098 | -0.074 |
|  Leg edema | 0.285 | -0.002 |
|  Neck vein dilatation | 0.292 | -0.101 |
|  Pleural effusion | 0.274 | -0.028 |
| Cardiac function |  |  |
|  Left heart |  |  |
|  LAVI | 0.204 | -0.105 |
|  LVMI | 0.084 | -0.218 |
|  LVEF | -0.013 | 0.114 |
|  LVEDD | -0.113 | -0.366 |
|  DT of mitral inflow  | -0.042 | 0.033 |
|  Mean mitral  | -0.042 | 0.033 |
|  Mean mitral E/e’ ratio | 0.197 | -0.045 |
|  Right heart |  |  |
|  RVOT | -0.085 | -0.146 |
|  TAPSE | -0.146 | -0.084 |
|  SPAP | 0.239 | -0.054 |
|  Less-distensible right ventricle | 0.261 | 0.135 |
|  Inferior vena cava | 0.075 | -0.076 |
| Cardiac events | 0.269 | -0.136 |

Data are the coefficient of each feature to create the axes of principle components 1 and 2. Abbreviations are the same as those in Supplementary Table 1.