**Supplemental Material**

Supplemental Table 1. Missing values patterns before multiple imputation

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Missing** | **Total** | **% Missing** |
| Age | 0 | 4,128 | 0 |
| Sex | 0 | 4,128 | 0 |
| NYHA | 1 | 4,128 | 0 |
| BMI | 19 | 4,128 | 0 |
| LVEF | 3 | 4,128 | 0 |
| SBP | 0 | 4,128 | 0 |
| Heart rate | 4 | 4,128 | 0 |
| HFH prev. 6 months | 0 | 4,128 | 0 |
| Pulm. congestion CXR | 160 | 4,128 | 4 |
| Prev. MI | 0 | 4,128 | 0 |
| AFib | 0 | 4,128 | 0 |
| Stroke | 0 | 4,128 | 0 |
| COPD/Asthma | 0 | 4,128 | 0 |
| Diabetes | 0 | 4,128 | 0 |
| HF diagnosis >1yr | 0 | 4,128 | 0 |
| Valvular disease | 0 | 4,128 | 0 |
| Hemoglobin | 141 | 4,128 | 3 |
| Sodium | 93 | 4,128 | 2 |
| Albumin | 93 | 4,128 | 2 |
| Neutrophils | 165 | 4,128 | 4 |
| NT-pro BNP | 649 | 4,128 | 16 |
| eGFR | 90 | 4,128 | 2 |