Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

*BMJ Open*

Supplement

Supplementary Table 1

*Primary diagnoses in the sample (N=256).*

| Primary diagnoses | Number (%) of patients (total *N*=256) |
| --- | --- |
| *Group 1:* Suspicion/Exclusion of myocardial infarction or Myocardial infarction | 66 (26%) |
| *Group 2:* Cardiac decompensation | 60 (23%) |
| *Group 3:* Heart rhythm disturbances* | 48 (19%) |
| *Group 4:* Hypertensive derailment | 17 ( 7%) |
| *Group 5:* Others | 65 (25%) |

*Note:* *(Atrial fibrillation/atrial flutter, tachyarrhythmia absoluta).

Supplementary Table 2
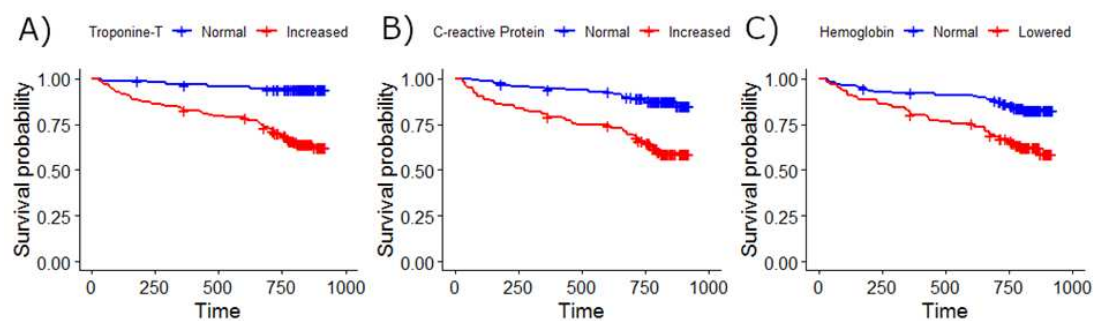
*Frequent secondary diagnoses (N=256).*

| Most common secondary diagnoses | Number (%) of patients (total *N*=256) |
| --- | --- |
| Renal insufficiency / kidney disease | 51 (20%) |
| Heart failure | 33 (13%) |
| Anemia | 21 ( 8%) |
| Pneumonia | 30 (12%) |

Supplementary Table 3

*Uncontrolled and controlled associations (hazard-ratio) of biological aging related biomarkers and mortality from Cox-Regression models including all biomarkers as predictors simultaneously (N=256).*

| Variable | HR (Model 1) | 95% CI | HR (Model 2) | 95% CI |
|---|---|---|---|---|
| Increased Troponine-T | 4.84 | [1.90, 12.32] | 3.61 | [1.39, 9.40] |
| Increased CRP | 2.57 | [1.47, 4.48] | 2.64 | [1.50, 4.66] |
| Decreased Hemoglobin | 1.68 | [1.00, 2.81] | 1.20 | [0.69, 2.07] |

*Note:* HR= Hazard Ratio; Model 1: Survival predicted by the three dummy coded biomarker variables. Model 2: Survival predicted by the three dummy coded biomarker variables as well as covariates sex, BMI, creatinine clearance, age and comorbidity (CACI-score). Estimates within a column are therefore from the same model.



Supplementary Figure 1. Kaplan-Meier curves for patients grouped by A) increased Troponine-T B) increased C - reactive Protein and C) lowered Hemoglobin. Time units are days.