

Supplemental tables

Table S1 Applied specific COVID-19 therapies during hospitalization.

| Treatment | % (n) |
|-----------------------------|------------|
| JAK-inhibitors | 15.9 (40) |
| Corticosteroids | 87.6 (220) |
| IL-6 antagosnist | 75.3 (189) |
| Therapeutic anticoagulation | 74.7 (165) |
| Remdesivir | 100 (251) |

JAK-janus kinase, IL-6-interleukin-6

Table S2 Relevant cardiovascular therapies in COVID-19 survivors after hospital discharge

| Treatment | % (n) |
|---|-----------|
| Statins | 6.0 (15) |
| Betablockers | 11.1 (28) |
| ACE-blockers /Angiotensin receptor anatogonists | 20.7 (52) |
| Cardioselective caliuman channel blockers | 1.2 (3) |
| Diuretics | 3.6 (9) |
| Acetylsalicylic acid | 8.0 (20) |
| Clopidogrel | 1.6 (4) |
| Aldosteron anatgonists | 4.0 (10) |
| Ivabradine | 0.4 (1) |

ACE-aniotensin converting enzyme

Table S3 Univariate Analysis for prediction of MACE during follow-up after hospital discharge in COVID-19 survivors (cut off<0.05)

| | coef±SE | HR | 95% CI | <i>p</i> |
|------------------------------|-----------------|------------|----------------|---------------------|
| Age | 0.0493±0.0188 | 1.0506 | 1.012 – 1.090 | 0.009** |
| Gender | 0.5838±0.4495 | 1.7928 | 0.743 – 4.327 | 0.194 |
| BMI | 0.0106±0.0435 | 1.0107 | 0.928 – 1.101 | 0.806 |
| SpO ₂ , % | 0.1523±0.1245 | 1.1646 | 0.912 – 1.486 | 0.221 |
| Temperature at admission, °C | 0.3109±0.2749 | 1.3646 | 0.796 – 2.339 | 0.258 |
| SAP | 0.0246 ±0.0129 | 1.0249 | 0.999 – 1.051 | 0.056 |
| DAP | 0.0453 ±0.0241 | 1.0463 | 0.998 – 1.097 | 0.061 |
| BR | -0.1213 ±0.2158 | 0.8858 | 0.580– 1.352 | 0.574 |
| Lung tissue damage on CT | -0.0006 ±0.0015 | 0.9994 | 0.997– 1.002 | 0.702 |
| AH | 0.7322±0.4495 | 2.0797 | 0.862 – 5.019 | 0.103 |
| DM | -0.2878±1.0260 | 0.7499 | 0.101 – 5.602 | 0.779 |
| CKD | -16.02±596.5 | 0.0000001 | – | 0.998 |
| CHD | -17.08±518.8 | 0.00000004 | – | 0.997 |
| CHF | -16.03±463.2 | 0.0000001 | – | 0.997 |
| COPD+BA | -0.6069±1.0260 | 0.5450 | 0.073 – 4.071 | 0.554 |
| Procalcitonin | 1.533±2.382 | 4.632 | 0.043 – 493.7 | 0.520 |
| Hb | 0.0209±0.0152 | 1.0211 | 0.991 – 1.052 | 0.170 |
| WBC | 0.0007±0.0647 | 1.0007 | 0.882 – 1.136 | 0.991 |
| Platelets | 0.0039±0.0029 | 1.0039 | 0.998 – 1.010 | 0.169 |
| CRP | 0.0104±0.0093 | 1.0104 | 0.992 – 1.029 | 0.268 |
| Albumin | 0.0698±0.0666 | 1.0723 | 0.942 – 1.221 | 0.292 |
| GFR | 0.0124±0.0128 | 1.0125 | 0.987 – 1.038 | 0.334 |
| Sodium | -0.0306 ±0.0699 | 0.9699 | 0.846 – 1.112 | 0.662 |
| Potassium | -0.0522 ±0.1596 | 0.9491 | 0.694 – 1.298 | 0.743 |
| sST-2 | 2.617±0.471 | 13.695 | 5.441 – 34.477 | <0.001*** |
| Hs-TnI | 1.2195±0.4689 | 3.3854 | 1.351 – 8.487 | 0.009** |

AH–arterial hypertension, BA–bronchial asthma, CK–creatinine kinase, CHD–coronary heart disease, CHF–congestive heart failure, CKD–chronic kidney disease, CRP- C-reactive protein, CT computer tomography, CV– cardiovascular, DAP–diastolic arterial blood pressure, DM–Diabetes Mellitus type 2, FU–follow-up, Hb–hemoglobin, MACE–major adverse cardiovascular event, SAP–systolic arterial blood pressure, WBC–white blood count, sST-2–soluble suppression of tumorigenicity 2, hs-TnI–high sensitive Troponin I; bold print=p<0.05, **, ***–significance in p < 0.01, p < 0.001.

Table S4 Multivariate analysis for prediction of MACE during follow-up after hospital discharge in COVID-19 survivors (cut off<0.05)

| | Coef ±SE | exp(coef) | CI 95% exp(coef) | p-level |
|-----------------------|--|-------------------------------|---|----------------|
| Age | 0.046 ±0.021 | 1.047 | 1.005 – 1.092 | 0.0288* |
| Gender | 0.475 ±0.636 | 1.608 | 0.462 – 5.595 | 0.4550 |
| SBP | 0.029 ± 0.019 | 1.029 | 0.991 – 1.069 | 0.1384 |
| DBP | 0.018 ±0.034 | 1.018 | 0.952 – 1.088 | 0.6074 |
| HR | 0.023 ±0.019 | 1.023 | 0.986 – 1.063 | 0.2258 |
| Hb | 0.001 ±0.017 | 1.001 | 0.967 – 1.036 | 0.9476 |
| GFR | 0.022 ±0.019 | 1.022 | 0.985 – 1.060 | 0.2455 |
| ST2 | 0.002 ±0.001 | 1.002 | 1.0005 – 1.004 | 0.0215* |
| Troponin I | 0.297 ±0.124 | 1.345 | 1.056 – 1.716 | 0.0169* |
| Concordance= 0.777 | Likelihood ratio test= 28.23, p<0.001 | Wald test = 28.89, p<0.001 | Score (logrank) test = 44.4, p<0.001 | |

*-significance in p < 0.05.