Supplemental material

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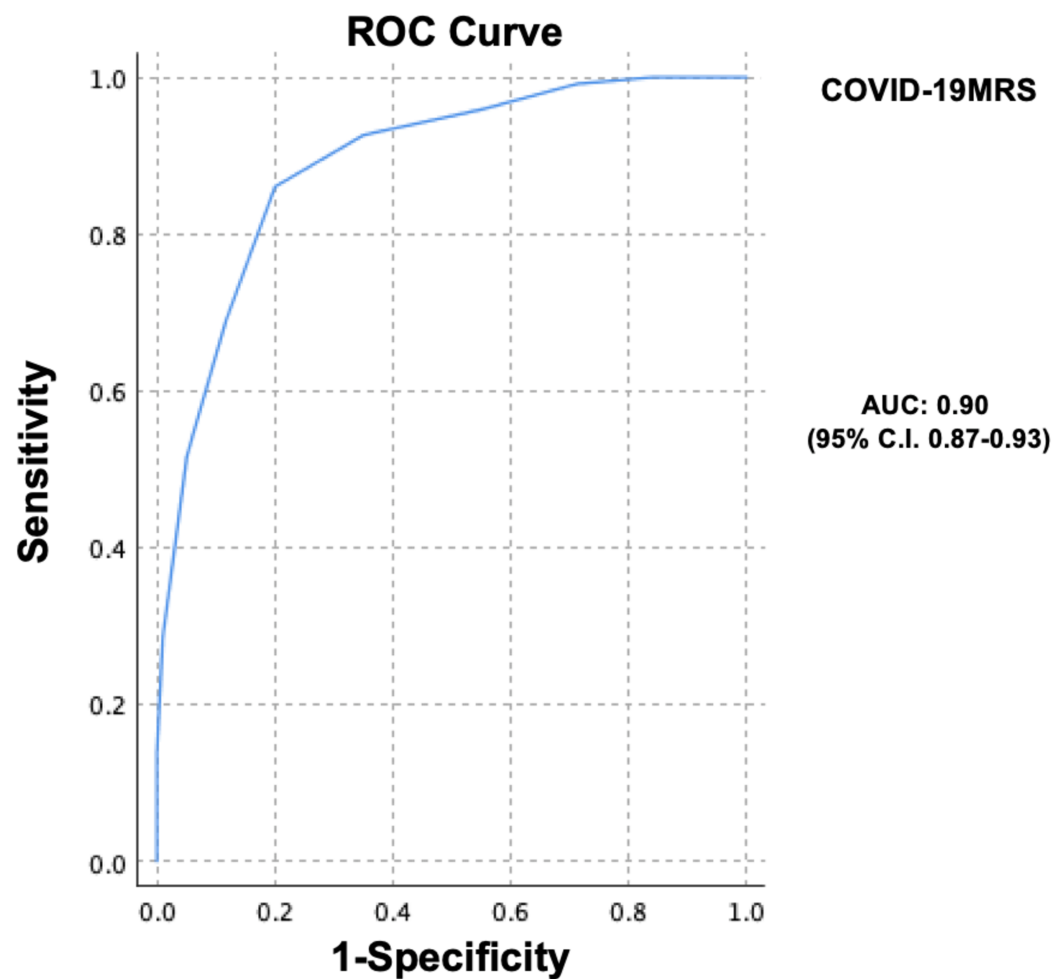
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Supplementary Table 1. Cox multivariable regression analyses of variables associated with mortality at univariate analysis.

Variables	HR	95.0% CI	p
Age (tertiles)			
62-74 vs. <62 years	2.86	1.23-6.64	0.014
≥75 vs. <62 years	7.92	3.60-17.43	<0.001
Number of comorbidities (tertiles)			
2-3 vs. 0-1	1.85	1.11-3.08	0.018
≥4 vs. 0-1	2.09	1.23-3.55	0.007
Respiratory rate (breaths/min), for unit increase	1.04	1.02-1.07	0.001
PaO_2/FiO_2, for unit increase	0.995	0.992-0.997	<0.001
Creatinine (mg/dL), for unit increase	1.34	1.18-1.51	<0.001
Platelets ($\times 10^9$/L), for unit increase	0.995	0.992-0.998	0.001
Cardiovascular Disease (yes vs. no)	1.093	0.695-1.718	0.693
Pulmonary Disease (yes vs. no)	2.001	0.925-5.033	0.101
Hypertension (yes vs. no)	2.03	1.305-1.467	0.010
Diabetes (yes vs. no)	1.24	0.495-1.311	0.348
Cancer history (yes vs. no)	1.332	0.682-2.591	0.418
Cough at presentation (yes vs. no)	1.15	0.769-1.757	0.501
White blood cell count, ($\times 10^9$/L), per unit increase	1.032	0.973-1.095	0.298
Lymphocytes count ($\times 10^9$/L), per unit increase	0.966	0.972-1.021	0.661
Hemoglobin (g/dL), per unit increase	0.984	0.934-1.037	0.552
Hematocrit (%), per unit increase	0.945	0.906-0.985	0.049
Aspartate aminotransferase (UI/L), per unit increase	1.003	0.994-1.012	0.511
Alanine aminotransferase (UI/L), per unit increase	0.990	0.980-0.999	0.033
Lactate dehydrogenase (UI/L), per unit increase	1.00	1.000-1.001	0.214
Reactive C Protein (mg/L), per unit increase	1.000	0.998-1.003	0.951

HR: hazard ratio; 95 % CI: 95% confidence interval; RR: respiratory rate. History of CV disease, hypertension, diabetes, depression, dementia, cancer were included into 'comorbidities'. Variables excluded (p>0.10) from both models: N of drugs, Barthel Index, CRP. The light-grey shaded area includes all variables excluded from multivariate model predicting the risk of in-hospital mortality.

Supplementary Figure 1. ROC Curve Analysis of the COVID-19MRS performance.