

Table S1 Serum concentration of biomarkers and mortality prediction

		Survivor (n =143)	Non-survivor (n = 18)	<i>p</i> (univariate)	AUROC*	95% CI	<i>p</i> (AUROC)
IL-6, pg/ml, median(IQR)	Day 0	352 (145–2437)	2467 (164–13961)	0.094	0.585	0.431–0.738	0.250
	Day 1	131 (56–787)	1319 (113–9339)	0.003	0.677	0.543–0.811	0.016
	Day 2	91 (39–222)	176 (139–1206)	<0.001	0.722	0.611–0.832	0.003
	Day 3	59 (29–144)	297 (106–1042)	<0.001	0.766	0.656–0.876	<0.001
CRP, mg/dl, median(IQR)	Day 0	10.3 (0.7–22.0)	5.5 (1.9–20.8)	0.964	0.442	0.302–0.582	0.431
	Day 1	12.0 (7.0–23.7)	8.9 (5.3–18.1)	0.266	0.380	0.240–0.519	0.102
	Day 2	15.5 (9.2–22.7)	14.3 (6.8–20.4)	0.372	0.421	0.280–0.563	0.285
	Day 3	12.2 (6.6–18.0)	15.2 (6.9–21.2)	0.456	0.547	0.393–0.701	0.526
PCT, ng/ml, median(IQR)	Day 0	1.8 (0.3–8.8)	4.8 (0.6–36.7)	0.167	0.549	0.405–0.692	0.508
	Day 1	3.1 (0.8–19.8)	7.0 (2.5–23.6)	0.233	0.529	0.392–0.665	0.699
	Day 2	2.4 (0.7–14.6)	6.9 (1.7–19.1)	0.097	0.560	0.426–0.694	0.415
	Day 3	1.6 (0.5–7.5)	4.8 (1.3–9.9)	0.058	0.576	0.447–0.704	0.304
IL-8, pg/ml, median(IQR)	Day 0	74 (23–267)	497 (36–3985)	0.018	0.630	0.480–0.780	0.078
	Day 1	38 (12–113)	212 (34–2890)	0.004	0.669	0.525–0.814	0.021
	Day 2	23 (11–75)	85 (22–289)	0.005	0.659	0.523–0.814	0.031
	Day 3	20 (9–47)	38 (22–139)	0.008	0.654	0.527–0.781	0.037
IL-10, pg/ml, median(IQR)	Day 0	10 (3–45)	13 (4–210)	0.421	0.610	0.416–0.805	0.247
	Day 1	4 (2–11)	13 (3–74)	0.025	0.689	0.519–0.858	0.048
	Day 2	2 (2–5)	7 (2–23)	0.032	0.754	0.573–0.935	0.008
	Day 3	2 (2–5)	6 (3–12)	0.001	0.711	0.529–0.893	0.027
TNF- α , pg/ml, median(IQR)	Day 0	3.7 (1.5–8.4)	6.1 (2.4–9.5)	0.104	0.556	0.425–0.686	0.451
	Day 1	3.3 (1.8–5.8)	4.4 (2.4–9.5)	0.209	0.532	0.386–0.678	0.666
	Day 2	2.9 (2.0–4.7)	3.6 (2.4–5.4)	0.133	0.544	0.419–0.670	0.546

Day 3	2.7 (1.7–4.1)	3.4 (2.4–5.3)	0.071	0.570	0.438–0.702	0.344
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AUROC = area under the receiver operating characteristic (ROC) curve, CI = confidence interval, IL = interleukin, CRP = C-reactive protein, PCT = procalcitonin, TNF = tumor necrosis factor. *AUROC was calculated from ROC curve that was drawn for log-transformed values of biomarker levels according to 28-day mortality.