



Figure S1 Survival curve of critical COVID-19 patients with diabetes

Table S1 Association between sex, gender, comorbidities and death in patients with critical COVID-19 analyzed by using multivariate logistic regression model

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	20.916	8	.007
	Block	20.916	8	.007
	Model	20.916	8	.007

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	95.0% C.I. for EXP(B)	
							Lower	Upper
Step 1 ^a Sex	1.480	.429	11.919	1	.001	4.395	1.896	10.185
Age	.024	.016	2.285	1	.131	1.025	.993	1.058
COPD	-.236	1.006	.055	1	.814	.789	.110	5.671
Hypertension	-.224	.422	.282	1	.596	.799	.349	1.828
CHD	-.250	.632	.156	1	.693	.779	.226	2.688
Arrhythmia	-.002	.977	.000	1	.998	.998	.147	6.768
Diabetes	1.265	.566	4.986	1	.026	3.542	1.167	10.750
CRF	.546	1.278	.182	1	.670	1.726	.141	21.136
Constant	-2.735	1.142	5.738	1	.017	.065		

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a. Variable(s) entered on step 1: Sex, Age, COPD, Hypertension, CHD, Arrhythmia, Diabetes, CRF.

Table S2 Association between sex, gender, comorbidities and death in patients with critical COVID-19 analyzed by using Cox proportional hazards regression model

Omnibus Tests of Model Coefficients^{h,i}

Step	-2 Log Likelihood	Overall (score)			Change From Previous Step			Change From Previous Block		
		Chi-square	df	Sig.	Chi-square	df	Sig.	Chi-square	df	Sig.
1 ^a	490.686	22.849	8	.004	22.152	8	.005	22.152	8	.005

2 ^b	490.687	22.842	7	.002	.000	1	.986	22.151	7	.002
3 ^c	490.711	22.719	6	.001	.024	1	.876	22.127	6	.001
4 ^d	490.741	22.706	5	.000	.029	1	.864	22.097	5	.001
5 ^e	490.796	22.450	4	.000	.056	1	.814	22.042	4	.000
6 ^f	490.942	22.375	3	.000	.145	1	.703	21.896	3	.000
7 ^g	493.516	19.531	2	.000	2.575	1	.109	19.321	2	.000

a. Variable(s) Entered at Step Number 1: Sex Age COPD Hypertension CHD Arrhythmia Diabetes CRF

b. Variable Removed at Step Number 2: COPD

c. Variable Removed at Step Number 3: Arrhythmia

d. Variable Removed at Step Number 4: CHD

e. Variable Removed at Step Number 5: CRF

f. Variable Removed at Step Number 6: Hypertension

g. Variable Removed at Step Number 7: Age

h. Beginning Block Number 0, initial Log Likelihood function: -2 Log likelihood: 512.838

i. Beginning Block Number 1. Method = Backward Stepwise (Likelihood Ratio)

Variables in the Equation

		B	SE	Wald	df	Sig.	Exp(B)	95.0% CI for Exp(B)	
								Lower	Upper
Step 1	Sex	1.088	.319	11.662	1	.001	2.969	1.590	5.544
	Age	.017	.011	2.716	1	.099	1.018	.997	1.039

	COPD	.012	.662	.000	1	.986	1.012	.276	3.705
	Hypertension	-.109	.287	.145	1	.703	.896	.511	1.573
	CHD	.076	.437	.030	1	.862	1.079	.458	2.543
	Arrhythmia	-.102	.677	.023	1	.880	.903	.240	3.402
	Diabetes	.664	.306	4.713	1	.030	1.943	1.067	3.539
	CRF	.188	.752	.062	1	.803	1.206	.277	5.264
Step 2	Sex	1.089	.314	12.013	1	.001	2.972	1.605	5.501
	Age	.017	.011	2.721	1	.099	1.018	.997	1.039
	Hypertension	-.110	.284	.151	1	.698	.896	.514	1.562
	CHD	.075	.436	.030	1	.863	1.078	.459	2.533
	Arrhythmia	-.098	.633	.024	1	.877	.907	.262	3.137
	Diabetes	.664	.306	4.726	1	.030	1.943	1.068	3.538
	CRF	.186	.748	.062	1	.803	1.205	.278	5.223
Step 3	Sex	1.096	.311	12.438	1	.000	2.993	1.627	5.504
	Age	.017	.010	2.741	1	.098	1.017	.997	1.038
	Hypertension	-.098	.273	.129	1	.719	.906	.530	1.549
	CHD	.076	.436	.030	1	.863	1.078	.459	2.535
	Diabetes	.663	.305	4.717	1	.030	1.941	1.067	3.531
	CRF	.173	.743	.054	1	.816	1.188	.277	5.098
Step 4	Sex	1.094	.310	12.422	1	.000	2.985	1.625	5.483
	Age	.017	.010	2.768	1	.096	1.017	.997	1.038

	Hypertension	-.099	.273	.131	1	.717	.906	.530	1.548
	Diabetes	.660	.305	4.685	1	.030	1.935	1.064	3.518
	CRF	.179	.742	.058	1	.809	1.196	.279	5.126
Step 5	Sex	1.089	.309	12.387	1	.000	2.971	1.620	5.448
	Age	.017	.010	2.720	1	.099	1.017	.997	1.037
	Hypertension	-.104	.272	.145	1	.703	.901	.528	1.538
	Diabetes	.668	.303	4.869	1	.027	1.951	1.078	3.532
Step 6	Sex	1.092	.309	12.454	1	.000	2.980	1.625	5.464
	Age	.016	.010	2.566	1	.109	1.016	.996	1.036
	Diabetes	.659	.302	4.759	1	.029	1.933	1.069	3.495
Step 7	Sex	1.070	.308	12.027	1	.001	2.915	1.592	5.336
	Diabetes	.709	.301	5.564	1	.018	2.032	1.127	3.662