

Supplemental Table S2. Data of hospitalization and blood biochemistry of the individuals with severe and critical COVID-19 recruited for this study at the ICU of Hospital Universitario Ramón y Cajal (Madrid, Spain) between October 2020 and April 2021.

Patient's ID	Sample (weeks)	Hospitalization						Blood biochemistry data										
		Hospitalization time (days)	Days at the ICU	NIV	IV	Reservoir	Nasal Glasses	CRP (mg/L)	LDH (U/L)	CK (U/L)	Ferritin (ng/mL)	IL-6 (pg/mL)	D-dimer (ug/mL)	Procalcitonin (ng/mL)	Lymphocytes (cells/mL)	Monocytes (cells/mL)	Platelets (cells/mL)	Fibrinogen (mg/dL)
1	0	42	38	No	Yes	No	No	173.6	328	-	889.97	27.8	-	0.4	1370	1260	142000	552.5
	2			No	Yes	No	No	135.3	242	-	887.97	-	-	-	1240	1390	140000	491.6
2	0	100	87	No	Yes	No	No	24.7	635	-	-	635.8	4045	-	870	230	277000	740
	4			No	Yes	No	No	34.8	272	-	299.46	-	-	-	1320	420	445000	740
	6			No	Yes	No	No	186	250	-	-	-	805	0.12	1910	920	776000	740
3	0	51	49	No	Yes	No	No	143.4	527	325	-	72.6	-	0.06	620	490	181000	-
	4			No	Yes	No	No	3.1	313	-	1076	-	-	-	1100	1130	214000	256
4	0	59	59	No	Yes	No	No	18.4	238	40	521.24	-	-	-	790	810	221000	-
	4			No	Yes	No	No	100.8	411	-	-	-	-	-	1720	830	293000	740
5	0	100	100	No	Yes	No	No	104	295	-	-	-	-	0.04	1330	530	765000	665
	2			No	Yes	No	No	304	345	-	-	-	3307	0.14	2160	740	748000	536
6	0	62	16	No	No	Yes	No	55.9	345	-	2496.95	33.8	3636	2.11	900	2240	261000	484.4
	4			No	No	No	No	2.8	170	-	-	-	-	-	1290	2550	159000	-
7	0	22	22	No	Yes	No	No	205	-	-	-	-	2168	0.61	340	130	168000	740
	2			No	Yes	No	No	24	212	-	-	-	-	-	850	360	194000	-
8	0	30	29	No	Yes	No	No	202	1094	-	-	-	35000	-	860	290	468000	740
	2			No	Yes	No	No	268	739	-	-	-	1858	-	520	310	452000	740
9	0	16	13	No	Yes	No	No	108	13	-	-	-	1024	0.02	370	360	313000	740
	2			No	Yes	No	No	151	85	-	-	-	5172	1.38	1410	1390	195000	740
10	0	141	96	No	Yes	No	No	30.2	340	-	2530.05	24.8	-	-	1140	490	142000	740
	4			No	Yes	No	No	20	311	-	-	-	-	-	1320	560	269000	-
	8			No	No	No	Yes	38	548	-	-	-	-	0.06	1730	950	303000	740
	10			No	No	No	Yes	18	382	-	-	-	-	44317	1840	980	303000	683
	11			No	No	No	Yes	172	358	-	-	-	-	-	1040	620	322000	742
	12			No	No	No	Yes	17	375	-	-	-	-	0.14	2010	800	593000	497
11	0	101	77	No	Yes	No	No	210	562	-	-	-	-	0.97	820	330	27000	740
	2			No	Yes	No	No	2.9	595	-	-	-	7407	0.03	1490	680	221000	217
	4			No	Yes	No	No	24	415	-	-	-	1920	0.03	1120	710	205000	275
	5			Yes	No	No	No	248	496	-	-	-	-	0.35	1230	230	210000	740
	6			Yes	No	No	No	50	641	-	-	-	-	0.11	680	140	106000	184
	8			No	Yes	No	No	89	496	-	-	-	-	0.03	1020	370	290000	190
	9			No	Yes	No	No	21	-	-	-	-	-	-	1080	440	390000	381
12	0	43	39	No	Yes	No	No	10.1	502	-	1254.29	386.2	9200	0.2	440	220	191000	299.3
	4			No	Yes	No	No	65.2	386	-	326.45	-	3628	0.4	1500	560	133000	558.1
13	0	82	74	No	Yes	No	No	267	522	15	-	-	17099	-	1090	700	96000	740

	2			No	Yes	No	No	196	279	-	-	-	-	-	820	730	235000	508	
14	0	112	75	No	Yes	No	No	49.4	353	-	163	130	3929	0.08	1350	780	836000	601	
	4			No	Yes	No	No	279	-	-	-	-	-	-	1770	870	366000	740	
	12			No	Yes	No	No	67	197	-	-	-	-	-	-	1610	660	659000	571
	13			No	No	Yes	No	21.5	215	-	-	-	-	-	-	1860	750	763000	740
15	0	101	79	No	Yes	No	No	4.2	470	42	1333.2	1076.2	7091	0.17	2440	620	274000	375.1	
	4			No	Yes	No	No	241.6	56.5	-	1024.41	-	1676	-	1910	780	632000	695.7	
	8			No	No	No	Yes	-	-	-	-	-	-	-	-	1510	1030	335000	-
16	0	60	39	No	Yes	No	No	164.5	-	-	3108.58	1.09	-	0.07	740	720	426000	740	
	4			No	Yes	No	No	24.3	422	-	766.07	-	-	-	-	840	390	242000	-
	6			No	No	No	No	4.2	256	-	-	-	-	-	-	1700	550	393000	370
17	0	73	58	No	Yes	No	No	96.8	388	27	1361.8	1258.7	-	-	630	170	72000	601.7	
	4			No	Yes	No	No	124.9	380	-	1361.68	-	-	-	0.11	2010	580	304000	740
	6			No	No	No	Yes	8.5	237	-	-	-	-	-	-	3100	400	198000	197
18	0	79	58	No	Yes	No	No	84	372	-	-	61.4	-	-	1880	460	173000	564.6	
	4			No	Yes	No	No	22.3	265	-	-	-	-	0.07	2650	630	179000	387	
	8			No	No	No	No	2.2	197	-	-	-	-	-	4210	600	236000	443	
19	0	Und	Und	No	Yes	No	No	150	423	-	-	-	17100	0.12	1040	740	294000	740	
	2			No	No	No	Yes	11	248	-	-	-	-	2038	0.03	1440	790	307000	670
	3			No	No	No	Yes	13	-	-	-	-	-	-	-	1280	720	374000	-
20	0	23	14	No	No	Yes	No	205	615	91	5280	3.18	-	0.33	900	470	459000	740	
	2			No	Yes	No	No	58	210	13	1053	52	1460	-	-	1730	680	332000	740
	3			No	No	No	Yes	30	285	-	-	-	-	-	-	1130	970	435000	-
21	0	29	16	No	Yes	No	No	16	365	-	-	-	-	-	1500	1810	123000	-	
	2			No	No	No	No	13	393	-	-	-	-	-	-	1610	900	112000	231
	6			No	No	No	No	19	261	-	-	-	-	-	-	2370	1130	154000	307
22	0	74	34	No	Yes	No	No	175.3	664	-	3794.97	20.8	21973	-	990	1010	506000	740	
	6			No	No	No	Yes	17.9	613	88	-	7	-	-	-	1830	700	457000	-
23	0	62	44	No	Yes	No	No	214	255	-	1469	24.4	-	-	930	300	211000	740	
	4			No	Yes	No	No	127.2	407	44	629.14	-	-	-	0.67	2590	700	440000	-

CK: creatine kinase; CRP: C reactive protein; ICU: intensive care unit; IL-6: interleukin-6; IV: invasive ventilation; LDH: lactate dehydrogenase; NIV: non-invasive ventilation; Und: Undetermined.