Supplementary Table S1 – Clinical and histopathological data.

	Clinical characteristics					Histopatologic analysis									
						Alveolar compartment				Intestitial compartment			Vascular compartment		
	Gender	**Age (years)**	**Lenth of hospitalization before death (days)**	**Period of death**	**DAD - phase**	**Alveolar MN infiltrate**	**Alveolar PNM infiltrate**	**Hyaline membrane**	**Edema**	**Interstiticial MN infiltrate**	**Interstitical PNM infiltrate**	**Fibrosis**	**Microthromi**	**Additional findings**	**NETS (citH3+ and MPO+)**
Case 1	Female	87	6	First Wave	Exudative phase	Mild	Absent	Present	Mild	Mild	Mild	Mild	Absent		
Case 2	Male	53	12	First Wave	Proliferative phase	Mild	Mild	Present	Absent	Intense	Mild	Moderate	Present	Thrombus with neutrophils, capillaritis, thrombus >0.9 mm.	
Case 3	Female	85	23	First Wave	Exudative phase	Moderate	Mild	Present	Moderate	Moderate	Moderate	Mild	Present	Capilaritis.	
Case 4	Male	73	38	First Wave	Proliferative phase	Intense	Moderate	Present	Mild	Moderate	Mild	Moderate	Present	Thrombus with neutrophils, capillaritis.	
Case 5	Male	80	23	First Wave	Exudative phase	Mild	Absent	Present	Mild	Mild	Mild	Absent	Present	Thrombus >0.9 mm.	
Case 6	Male	81	8	First Wave	Exudative phase	Mild	Mild	Absent	Mild	Mild	Absent	Absent	Absent		

Case 7	Female	70	20	First Wave	Fibrotic phase	Moderate	Mild	Present	Mild	Intense	Moderate	Intense	Present	Thrombus with neutrophils, capillaritis, thrombus >0.9 mm.	
Case 8	Male	86	6	First Wave	Proliferative phase	Moderate	Mild	Present	Absent	Intense	Absent	Intense	Present	Capilaritis.	
Case 9	Male	46	8	First Wave	Proliferative phase	Mild	Absent	Present	Mild	Moderate	Mild	Moderate	Present	Thrombus with neutrophils, capillaritis.	
Case 10	Female	93	6	First Wave	Proliferative phase	Moderate	Mild	Present	Mild	Moderate	Mild	Intense	Absent		
Case 11	Male	64	1	First Wave	Exudative phase	Mild	Absent	Present	Moderate	Mild	Absent	Absent	Absent		
Case 12	Female	75	8	First Wave	Proliferative phase	Intense	Intense	Present	Mild	Mild	Mild	Mild	Present	Thrombus with neutrophils, capillaritis.	Evidence of NETS
Case 13	Male	64	9	First Wave	Exudative phase	Mild	Absent	Present	Mild	Mild	Mild	Absent	Absent		
Case 14	Male	57	11	First Wave	Exudative phase	Intense	Mild	Present	Intense	Moderate	Mild	Moderate	Present	Thrombus with neutrophils, capillaritis,	

														thrombus >0.9 mm.	
Case 15	Female	81	14	First Wave	Exudative phase	Mild	Absent	Absent	Mild	Mild	Absent	Absent	Absent		
Case 16	Male	57	39	First Wave	Fibrotic phase	Moderate	Mild	Present	Mild	Intense	Mild	Moderate	Present	Capilaritis.	Evidence of NETS
Case 17	Female	60	24	First Wave	Proliferative phase	Intense	Mild	Present	Moderate	Intense	Mild	Intense	Present		
Case 18	Male	75	9	First Wave	Proliferative phase	Intense	Mild	Present	Mild	Moderate	Mild	Mild	Present		
Case 19	Male	70	16	First Wave	Fibrotic phase	Moderate	Mild	Absent	Moderate	Moderate	Mild	Intense	Absent		
Case 20	Male	57	24	First Wave	Fibrotic phase	Moderate	Mild	Present	Absent	Moderate	Mild	Intense	Absent		Evidence of NETS
Case 21	Male	86	8	First Wave	Exudative phase	Mild	Absent	Absent	Mild	Absent	Absent	Absent	Present		
Case 22	Male	83	16	First Wave	Proliferative phase	Moderate	Absent	Absent	Mild	Moderate	Mild	Intense	Absent		
Case 23	Female	72	30	First Wave	Proliferative phase	Mild	Intense	Present	Mild	Moderate	Moderate	Moderate	Present	Capilaritis.	
Case 24	Female	72	22	First Wave	Proliferative phase	Moderate	Mild	Present	Moderate	Moderate	Mild	Moderate	Present		
Case 25	Male	57	14	Second wave	Fibrotic phase	Mild	Mild	Present	Mild	Moderate	Moderate	Intense	Absent	Capilaritis.	

Case 26	Male	54	10	Second wave	Proliferative phase	Intense	Intense	Present	Moderate	Moderate	Intense	Moderate	Absent	Capilaritis.	Evidence of NETS
Case 27	Male	79	18	Second wave	Fibrotic phase	Moderate	Intense	Present	Mild	Moderate	Moderate	Intense	Present	Thrombus with neutrophils, capillaritis.	
Case 28	Female	51	22	Second wave	Fibrotic phase	Moderate	Moderate	Present	Mild	Moderate	Mild	Moderate	Present	Thrombus with neutrophils, capillaritis, thrombus >0.9 mm.	Evidence of NETS
Case 29	Male	51	23	Second wave	Fibrotic phase	Moderate	Intense	Present	Mild	Moderate	Moderate	Moderate	Present	Thrombus with neutrophils, capillaritis.	Evidence of NETS
Case 30	Male	77	24	Second wave	Fibrotic phase	Intense	Intense	Present	Moderate	Moderate	Moderate	Intense	Present	Capilaritis.	
Case 31	Male	50	33	Second wave	Fibrotic phase	Mild	Absent	Present	Mild	Moderate	Absent	Moderate	Absent		
Case 32	Male	64	8	Second wave	Proliferative phase	Moderate	Intense	Present	Moderate	Mild	Moderate	Moderate	Present	Thrombi with neutrophils, capillaritis, thrombus >0.9 mm.	Evidence of NETS

Case 33	Male	58	25	Second wave	Fibrotic phase	Moderate	Mild	Present	Mild	Moderate	Moderate	Intense	Present	Thrombi with neutrophils, thrombus >0.9 mm.	
Case 34	Female	59	14	Second wave	Exudative phase	Intense	Intense	Present	Moderate	Mild	Moderate	Absent	Present	Capilaritis.	Evidence of NETS
Case 35	Male	45	15	Second wave	Exudative phase	Moderate	Mild	Absent	Absent	Mild	Mild	Mild	Present	Thrombus with neutrophils, capillaritis, thrombus >0.9 mm.	
Case 36	Male	53	10	Second wave	Exudative phase	Moderate	Intense	Present	Intense	Mild	Intense	Absent	Present	Thrombus with neutrophils, capillaritis, thrombus >0.9 mm.	Evidence of NETS
Case 37	Female	63	25	Second wave	Proliferative phase	Moderate	Intense	Present	Moderate	Mild	Moderate	Mild	Present	Capilaritis.	Evidence of NETS
Case 38	Male	40	21	Second wave	Exudative phase	Mild	Absent	Present	Mild	Moderate	Moderate	Absent	Present	Thrombus with neutrophils.	
Case 39	Male	30	12	Second wave	Exudative phase	Moderate	Moderate	Absent	Intense	Moderate	Moderate	Mild	Present	Capilaritis.	

Case 40	Male	52	14	Second wave	Fibrotic phase	Moderate	Moderate	Absent	Mild	Moderate	Mild	Intense	Present
Case 41	Male	83	17	Second wave	Fibrotic phase	Moderate	Moderate	Absent	Mild	Mild	Mild	Intense	Absent
Case 42	Male	65	13	Second wave	absent	Absent	Absent	Absent	Absent	Absent	Absent	Mild	Absent

PNM= polymorphonuclear leukocyte, MNL= mononuclear leukocyte,

Supplementary Table S2 – Laboratory data.

	Blood exams							
	24 hours before death				D1 of hospitalization			
	Leucocytes	**Neutrophils**	**Platelets**	**D-dimer**	**Leucocytes**	**Neutrophils**	**Platelets**	**D-dimer**
Case 1	15000	13500	239000		16200	15714	379000	
Case 2	50200	45180	318000	7384	11000	9790	311000	425
Case 3	9900	8118	481000		9900	7623	282000	
Case 4	22000	20900	356000		17600	15488	180000	
Case 5	9400	7802	142000	4057	4700	3807	112000	816
Case 6	31400	30458	172000		14300	13299	276000	
Case 7	15880	11910		1129	7380	5850	218000	4160
Case 8	8900	7921	99000		8300	7470	131000	
Case 9	19500	17550	175000		3800	2926	131000	594
Case 10	15600	14820	76000		7100	6319	111000	6544
Case 11	10600	9222	439000		9300	7998	354000	61237
Case 12	34900	32108	155000		15300	13311	176000	1652
Case 13	9800	7644	232000		4000	2760	162000	1599
Case 14	15300	12699	15000	6561	14500	13775	186000	628
Case 15	28900	27455	141000		17000	13430	196000	
Case 16	15800	13904	395000		7400	5476	146000	
Case 17	8400	8148	58000		8100	7452	244000	3701
Case 18	19100	16426	336000		13100	11397	200000	152134
Case 19	15500	14725	102000		11600	10904	149000	1848
Case 20	29100	25317	287000		5900	4897	143000	745
Case 21	4700	4136	132000		4200	3486	127000	848
Case 22	30700	28858	419000	1564	9500	8930	166000	1010
Case 23	32200	30590	190000	5058	9000	7920	225000	575
Case 24	7900	7110	180000	7550	5900	4720	219000	1975

Case 25	13500	11880	366000		4500	4005	178000	290
Case 26	22000	20680	363000		8500	6290	117000	290
Case 27	34500	32775	287000		4500	3420	110000	1822
Case 28			528000		7300	6351	250000	
Case 29	14400	10800	377000		18200	16562	305000	342
Case 30	11300	8927	274000		10000	8800	227000	774
Case 31	34900	30363	143000		11100	10101	238000	6085
Case 32	16400	15252	599000		6900	6141	300000	934
Case 33	7300	5037	424000		9800	8918	217000	
Case 34	34300	33614	92000		8900	6764	162000	
Case 35	38300	32555	78000		19000	17480	26400	
Case 36	25500	23205	336000		15000	12300	193000	563
Case 37	16400	15744	105000		11300	10622	17300	887
Case 38	23900	23422	182000	984	4300	3483	147000	896
Case 39	15400	12320	580000		7900	6399	294000	1839
Case 40	28900	24276	371000		28900	26299	113000	5536
Case 41	4900	4557	690000		2900	2146	530000	
Case 42	21000	16590	239000		8300	7802	166000	6190

Leukocyte, neutrophil, and platelet counts are expressed as the total number of cells per microliter (cells/μL) of peripheral blood. D-dimer levels are reported in nanograms per milliliter (ng/mL) of blood.