

Supplementary Materials

Table S1. Characteristics of polymerase chain reaction (PCR) negative patients, according to diagnosis of COVID-19. Only symptoms presented by at least 1 patient are represented. Data presented as mean±SD, median (interquartile range) or counts (percentage).

Characteristics	Positive Serology (n = 8)		Negative Serology, Clinical Diagnosis (n = 2)		No COVID-19 (n = 18)	
Age, years	69.125	± 17.1	71	±7.07	63.3	±13.41
Dialysis center, n (%)						
FJD	7	(87.5)	2	(100)	18	(100)
FRCSE	1	(12.5)	0		0	
Dialysis vintage, days	1027.2	±876.1	938.5		610.8	±775.5
Female, n (%)	4	(50)	0		4	(22)
Hospital admission, n (%)	1	(12.5)	2	(100)	3	(16.7)
Symptoms, n (%)						
Asymptomatic	6	(75)	0		14	(77.8)
Dyspnea	0		0		1	(5.6)
Abdominal pain	0		0		1	(5.6)
Fever	1	(12.5)	2	(100)	2	(11.1)
General malaise	1	(12.5)	0		0	
Oxygen saturation, %	95%	*	96	*	96.3	±4.99
Chest X-ray, n (%)						
Normal	1	(12.5)	0		5	(27.8)
Unilateral pneumonia	0		1	(50)	1	(5.6)
Bilateral pneumonia	1	(12.5)	1	(50)	1	(5.6)
No	6	(75)	0		11	(61.1)
Clinical analysis						
Hemoglobin, g/dL	11.2	±1.46	11.95	±2.47	11.2	±1.92
Lymphocytes ⁿ ,/μL	1150	(900-1400)	400	(400-400)	1000	(850-1425)
D dimer ⁿ , μg/L	1148.5	(701-1562)	2812	(2382-3242)	1162	(739-2160)
Ferritin, ng/mL	513	(204-1067)	482	(291-673)	423	(340-598)
Troponin I ⁿ , ng/mL	0.04	(0.007-0.06)	0.006	(0.003-0.008)	0.05	(0.021-0.07)
IL6 ⁿ , pg/mL	8.94	(3.27-18.26)	31.2	(25.95-36.45)	10.34	(7.45-15.07)
Serology, n (%)						
IgM, n (%)						
Positive	8	(100)	0			
Negative	0		2	(100)	18	(100)
IgG, n (%)						
Positive	4	(50)	0			
Negative	4	(50)	2	(100)	18	(100)
IgG + IgM positive, n (%)	4	(50)	0		0	

* data for n = 2. ⁿ Normal range: Lymphocytes 1200 – 5000/ μl; D-dimer 68–494 μg/l, Troponin I < 0.08 ng/mL, IL6 < 7 pg/mL.

Table S2. Characteristics of patients with positive and negative PCR. Data presented as mean±SD, median (interquartile range) or counts (percentage).

Characteristics	Positive PCR		Negative PCR		P value
	(N = 38)		(N = 10)		
Initial dialysis center, <i>n</i> (%)					
FJD	13	(34.2)	10	(100)	
FRCSE	25	(65.8)	0		
Symptoms, <i>n</i> (%)					
Asymptomatic	5	(13.2)	6	(60)	0.001
Asthenia	1	(2.6)	0		
Diarrhea	4	(10.5)	0		
Dyspnea	4	(10.5)	0		
Abdominal pain	1	(2.6)	0		
Fever	12	(31.5)	3	(30)	
Cough	4	(10.5)	0		
Chest pain	1	(2.6)	0		
General malaise	4	(10.5)	1	(10)	
Nausea	1	(2.6)	0		
Other manifestations					
AV blockade	1	(2.6)	0		

Table S3. Analysis of PCR positive patients, according to hospitalization related to disease severity. Data presented as mean \pm SD, median (interquartile range) or counts (percentage).

Characteristics	Hospitalization		P value
	No (N = 17)	Yes (N = 21)	
Initial dialysis center, <i>n</i> (%)			
FJD	6 (37.5)	7 (31.2)	
FRCSE	10 (62.5)	15 (68.2)	
Symptoms, <i>n</i> (%)			ns
Asymptomatic	5 (31.25)	0	
Asthenia	1 (6.25)	0	
Diarrhea	2 (12.5)	2 (9.1)	
Dyspnea	2 (12.5)	2 (9.1)	
Abdominal pain	1 (6.25)	0	
Fever	4 (25)	8 (36.3)	
Cough	1 (6.25)	3 (13.6)	
Chest pain	0	1 (4.5)	
General malaise	0	4 (18.2)	
Nausea	0	1 (4.5)	
Other manifestations			
AV blockade	0	1 (4.5)	

Table S4. Analysis of PCR negative patients, according to hospitalization related to disease severity. Data presented as mean \pm SD, median (interquartile range) or counts (percentage).

Characteristics	Hospitalization		P value
	No (N = 7)	Yes (N = 3)	
Initial dialysis center, <i>n</i> (%)			
FJD	7 (100)	2 (66.7)	
FRCSE	0	1 (33.3)	
Symptoms, <i>n</i> (%)	1 (14.3)	3 (100)	
Asymptomatic	6 (85.7)	0	
Asthenia	0	0	
Diarrhea	0	0 (80)	
Dyspnea	0	0	
Abdominal pain	0	0	
Fever	1 (14.7)	2 (66.7)	
Cough	0	0	
Nausea	0	0	

Table S5. COVID-19 hemodialysis cohorts.

Series (Reference)	Total patients in unit	Total patients tested <i>n</i> (%)	Testing criteria	PCR+ <i>n</i> (%) ***	Clinical or serological diagnosis <i>n</i> (%)***	COVID-19					
						Overall incidence****	Asymptomatic <i>n</i> (%)	Mortality (PCR+)	Mortality (all)	Age (all)	Age (deceased)
Spain (A+B)	290	156 (54%)	Symptomatic first, close contacts, screening	74/156 (47%)	11/156 (7%)	85/290 (29%)	26/75 (35%)	11/75 (15%)	11/85 (13%)-	-	-
A ³⁶	90	90 (100%)	Screening	36/90 (40%)	1/90 (1%)	37/90 (41%)	15/37 (40%)	6/36 (17%)	6/37 (16%)	ND	80±15
B (Present work)	200	66 (33%)	Symptomatic, close contacts. Screening*	38/66 (58%)	10/66 (15.2%)	48/200 (24%)	11/38 (29%)	5/38 (13%)	5/48 (10%)	73±13	79±4
Italy (C+D)	657	ND	ND	62/657 (9%)	ND	62/657 (9%)	ND	23/62 (37%)	23/62 (37%)	-	ND
C ³⁷	400	ND	ND	21/400 (5%)	ND	21/400 (5%)	ND	5/21 (24%)	5/21 (24%)	ND	ND
D ³⁸	257	ND	ND	41/257 (16%)	ND	41/257 (16%)	ND	18/41 (41%)	18/41 (41%)	73±11	ND
China (E+F)	857	857 (100%)	Screening	103(12%)	ND	103 (12%)	50/103 (48%)	18/103 (17%)	18/103 (17%)	-	-
E ¹⁷	230	230 (100%)	Screening	37 (16%)	ND	37 (16%)	27/37 (72%)	6/37 (16%)	6/37 (16%)	66 (55- 81)	ND
F ³⁰	627	627 (100%)	Screening	66 (10%)	ND	66 (10%)	23/66 (26%)	12/66 (18%)	12/66 (18%)	61±13	ND

ND: no data. * Screening for remaining no tested patients in the unit receiving all COVID-19 patients from two coordinated dialysis units. ** same as for PCR+ patients. *** out of tested patients. **** out of the whole dialysis unit/s.