

Table 1. Clinical and biochemical features of the COVID-19 group (n=52).

Parameter	
Age (years), median [IQR]	84 [78-89]
Sex (M/F), n (%)	25 (48) / 27 (52)
Inpatients duration (days), median [IQR]	15 [10-23]
Basal D-dimer (ng/ml), median [IQR]	816 [521-1579]
D-dimer max (ng/ml), median [IQR]	1326 [828-3786]
Basal LDH (UI/l), median [IQR]	275 [220 - 354]
Basal P/F, median [IQR]	286 (77)
Worse P/F median [IQR]	166 [84 - 260]

Normal values in our laboratory are a follow: D-dimer <500 ng/ml; LDH 1-250 UI/l. P/F: PaO₂/FiO₂ ratio. Worse P/F was defined by the lower values of P/F collected at any time during the inpatients.

Table 2. Prevalence of comorbidities in the COVID-19 study group (n=52).

Parameter	
Coming from ECU, n (%)	42 (80.8)
Hypertension, n (%)	39 (75)
Cardiovascular disease, n (%)	32 (61.5)
Diabetes, n (%)	16 (30.8)
Kidney failure, n (%)	10 (19)
COPD, n (%)	8 (15.4)
Cancer, n (%)	5 (9.6)

Abbreviations: ECU: Extended Care Unit; COPD: Chronic Obstructive Pulmonary Disease

Table 3. Comparison of the clinical and biochemical features between patients' subgroups (n=156).

Parameter]	COVID-19 (n=52)	Non COVID 1 (n=52)	Non COVID 2 (n=52)	p
Age (yrs.), median [IQR]	84 [78-89]	80 [73-87]	82 [73-88]	0.22
Sex, n (%)				0.72
M	25 (48.1)	29 (55.8)	26 (50)	
F	27 (51.9)	23 (44.2)	26 (50)	
Creatinine (mg/dL) median [IQR]	1.15 [0.79-1.71]	1.03 [0.77-1.5]	1.18 [0.79-1.79]	0.53
Calcium corrected (mmol/L), median [IQR]	2.31 [2.23-2.37]	2.36 [2.27 - 2.44]	2.36 [2.26 - 2.44]	0.07
PTH (pg/mL), median [IQR]	47.4 [29-5-81.6]	37.7 [24.3-70.1]	39.9 [29.8-68.6]	0.32
25OH-Vitamin D (ng/mL), median [IQR]	14.6 [7.4-28.9]	18.3 [9.3-28.6]	14.8 [9.5-30.7]	0.67

Abbreviations: PTH=Parathyroid hormone.

Table 4. Association between serum 25OH-vitamin D levels and the outcomes in the COVID-19 group.

Variable	OR	Beta	95 % CI	P
Mortality risk	1.03		0.99 — 1.07	0.12
Risk of ICU admission	1.02		0.98 — 1.07	0.36
Inpatient duration	- 0.09		-0.31 — +0.13	0.40
Remission time	- 0.16		-0.49 — +0.17	0.33
Basal P/F		0.31	-1.33 — +1.95	0.70
Worse P/F		- 0.86	-2.93 — +1.22	0.41
Basal D-dimer		- 41.81	-129.75 — +46.14	0.34
Basal LDH		- 0.70	-2.97 — + 1.58	0.54

Logistic regression: odds ratio and 95%IC are shown. **Linear regression:** Beta and 95%IC are shown

Abbreviations: ICU=Intensive Care Unit. P/F= PaO₂/FiO₂ ratio. LDH= Lactate dehydrogenase