

Supplementary Table S1: Results. Results of the logistic regression model for the association

between COVID-19 severity group and cognitive failures as investigated by different items.

Models were corrected by sex, and follow-up time.

Cognitive failure	β	SE	<i>p</i>-value
ITEM 1			
COVID-19 group severity (mild)	0.06	0.05	0.24
Sex (female)	0.12	0.05	0.03
Follow-up time	0.001	0.002	0.49
ITEM 2			
COVID-19 group severity (mild)	0.05	0.04	0.22
Sex (female)	0.18	0.04	<0.0001
Follow-up time	-0.002	0.001	0.09
ITEM 3			
COVID-19 group severity (mild)	0.02	0.06	0.78
Sex (female)	0.13	0.06	0.03
Follow-up time	-0.001	0.002	0.57
ITEM 4			
COVID-19 group severity (mild)	-0.03	0.05	0.50
Sex (female)	0.12	0.05	0.02
Follow-up time	-0.01	0.0008	0.57
ITEM 5			
COVID-19 group severity (mild)	0.04	0.04	0.35
Sex (female)	0.06	0.04	0.11
Follow-up time	0.0008	0.001	0.46
ITEM 6			
COVID-19 group severity (mild)	0.01	0.02	0.36
Sex (female)	0.03	0.02	0.08
Follow-up time	-0.0001	0.0004	0.79
ITEM 7			
COVID-19 group severity (mild)	0.07	0.04	0.06
Sex (female)	0.06	0.03	0.10
Follow-up time	-0.0006	0.001	0.57
ITEM 8			
COVID-19 group severity (mild)	0.04	0.05	0.44
Sex (female)	0.12	0.05	0.04
Follow-up time	0.003	0.002	0.11
ITEM 9			
COVID-19 group severity (mild)	0.02	0.03	0.55
Sex (female)	0.06	0.03	0.09
Follow-up time	0.002	0.001	0.03
ITEM 10			
COVID-19 group severity (mild)	0.03	0.02	0.18

Sex (female)	0.05	0.02	0.05
Follow-up time	0.0006	0.0007	0.37
ITEM 11			
COVID-19 group severity (mild)	0.04	0.05	0.45
Sex (female)	0.17	0.05	0.0004
Follow-up time	0.002	0.001	0.26
ITEM 12			
COVID-19 group severity (mild)	0.009	0.01	0.43
Sex (female)	0.01	0.01	0.25
Follow-up time	-0.0003	0.0003	0.33
ITEM 13			
COVID-19 group severity (mild)	0.002	0.02	0.92
Sex (female)	0.02	0.02	0.30
Follow-up time	0.0003	0.0006	0.64
ITEM 14			
COVID-19 group severity (mild)	0.009	0.01	0.43
Sex (femal	0.01	0.01	0.25
Follow-up time	-0.0003	0.0003	0.32
ITEM 15			
COVID-19 group severity (mild)	0.03	0.04	0.45
Sex (female	0.15	0.04	0.0008
Follow-up time	0.002	0.001	0.14
ITEM 16			
COVID-19 group severity (mild)	0.08	0.05	0.15
Sex (female)	0.17	0.05	0.003
Follow-up time	0.0004	0.002	0.82
ITEM 17			
COVID-19 group severity (mild)	0.04	0.03	0.21
Sex (female)	0.0009	0.03	0.98
Follow-up time	-0.0009	0.001	0.35
ITEM 19			
COVID-19 group severity (mild)	0.03	0.03	0.33
Sex (female	0.03	0.03	0.27
Follow-up time	0.0007	0.0008	0.38

Supplementary Table S2: Electrolytics imbalance. Characteristics of electrolyte alterations in the four patient groups.

<i>Na⁺</i>		COVID-19 severity		
		hypo	hyper	both
males	Severe (N=52)	21.2%	36.%	15.4%
	Mild (N=73)	11%	21.9%	1.4%
females	Severe (N=20)	25%	25%	5%
	Mild (N=52)	3.8%	26.9%	1.9%

<i>K⁺</i>		COVID-19 severity		
		hypo	hyper	both
male	Severe (N=52)	28.8%	15.4%	15.4%
	Mild (N=73)	12.3%	17.8%	6.8%
female	Severe (N=20)	55%	10%	15%
	Mild (N=52)	25%	11.5%	1.9%

<i>Cl⁻</i>		COVID-19 severity		
		hypo	hyper	both
male	Severe (N=52)	36.5%	1.9%	0%
	Mild (N=73)	24.7%	4.1%	0%
female	Severe (N=20)	40%	0%	5%
	Mild (N=52)	23.1%	5.8%	0%

Supplementary Figure S1: Cognitive Failures. Percentage of cognitive failures reported in the four groups.



