

Laboratorial and ventilator parameters	Patients with critical disease related to SARS-CoV-2					
	On first day			On third day		
	Severe COVID-19 (n=141)	MIS-C (n=67)	Total	Severe COVID-19 (n=141)	MIS-C (n=67)	Total
Cardiovascular system						
VIS	7 (6-38)	68 (17-105)	84 (39-120)	6 (2-13)	25 (8-74)	9 (5-42.5)
Troponin I (ng/L)	0.03 (0.01-0.17)	0.28 (0.02-1.8)	0.11 (0.02-0.44)	0.06 (0.01-0.9)	0.2 (0.01-13.4)	0.1 (0.01-2.25)
Respiratory system						
DP in cmH ₂ O	7 (6-8)	12 (10-16)	9 (7-12)	8 (5-10)	12 (9-16)	8 (10-14)
Tidal volume in ml/kg	7.1 (5.7-9.7)	5.7 (4.9-6.6)	7.0 (6.3-9.4)	7.2 (5.4-9.6)	6.6 (4.1-8.2)	7.3 (5.4-9.4)
PIP in cmH ₂ O	18 (15-20)	16 (14-27)	18 (15-23)	16 (12-22)	16 (12-24)	18 (12-22)
OI	3.6 (1.9-6)	8.8 (4.9-13.4)	5.3 (2.4-10.3)	2.7 (1.2-5.3)	6.8 (3.2-11)	4.2 (2-7.9)
Inflammatory markers						
CRP (mg/dL)	7 (2-18)	45 (18-85)	12 (3-36)	5 (1.3-12.2)	22 (7.3-59)	8 (2.4-20)
ESR in mm/h	17 (10-120)	55 (28-110)	33 (10-108)	9 (2-17)	20 (13-58)	17 (10-35)
Haematological system						
Lymphocytes/mm ³	2,646 (1,398-4,878)	1,249 (960-1,773)	1,874 (1,118-3,772)	2,655 (1,268-4,284)	2,266 (1,248-4,525)	2,563 (1,114-4,257)
D-Dimer (ng/dL)	1,192 (529-3,406)	2,014 (1,085-5,009)	989.6 (522.2-2,790.1)	854 (406-2,851)	1,264 (609-3,861)	769.8 (350.8-2,836)
Renal system						
Creatinine(mg/dL)	0.3 (0.2-0.42)	0.39 (0.3-0.6)	0.40 (0.20-0.56)	0.49 (0.3-0.7)	0.4 (0.25-0.6)	0.5 (0.38-0.67)
Hepatic system						
Albumin (g/dL)	2.9 (2.5-3.5)	2.7 (2.2-3.6)	2.7 (2.3-3.5)	3.0 (2.5-3.6)	2.2 (1.9-3.2)	2.7 (2.3-3.5)

VIS -vasoactive inotropic score. DP - drive pressure. PIP - peak inspiratory pressure. OI - oxygen index. CRP -C-reactive protein. ESR erythrocyte sedimentation rate. All tests were performed according to the protocols described by the manufacturers. It was chosen to define reference ranges according to age and sex.

Supplementary Table - Laboratorial and ventilator parameters of children and adolescents with critical disease related to SARS-CoV-2 on first and third day from admission