

Table 1. Demographic, clinical and laboratory parameters of patients with COVID-19 and healthy controls

Characteristics	Group 1 (Children with COVID-19) (n=46)	Group 2 (Adults with COVID-19) (n=40)	Group 3 (Healthy children) (n=33)	(Group 4 Healthy adults) (34)	<i>p</i> value
Age (years) (median, IQR)	10 (3.7-14)	50 (43-64)	9 (1.5-12)	41.5 (39-55)	0.14 ^b 0.08 ^c
Male (%)	19 (41.3)	21 (52.5)	16 (48.4)	16 (47.1)	0.78
Severity					0.02
Mild	17 (37)	6 (15)			
Moderate	19 (41.3)	16 (40)			
Severe/ Critical	10 (21.7)	18 (45)			
Native thiol $\mu\text{mol/L}$, (median, IQR)	440 (396-474)	332 (278-376)	403 (322-453)	394 (331-418)	0.001^a 0.43 ^b 0.12 ^c
Total thiol $\mu\text{mol/L}$, (median, IQR)	483 (435-521)	370 (306-416)	439 (365-497)	433 (367-455)	0.001^a 0.41 ^b 0.12 ^c
Disulphide $\mu\text{mol/L}$, (median, IQR)	20.5 (18-23)	18.5 (15-21)	19.5 (17.7-21.7)	20 (17.3-22.5)	0.005^a 0.54 ^b 0.69 ^c
TAS mmol Trolox equiv./L, (median, IQR)	0.94 (0.85-1)	0.98 (0.8-1)	0.89 (0.8-0.9)	1 (0.88-1.1)	0.36 ^a 0.13 ^b >0.05 ^a
TOS $\mu\text{mol H}_2\text{O}_2/\text{L}$, (median, IQR)	11.3 (5.9-20.7)	8.8 (5.7-14.6)	4.4 (3.0-8.7)	4.9 (3.7 -12.2)	>0.05 ^a 0.001^b 0.28 ^c
Ima ABSU, (median, IQR)	1 (0.86-1.1)	0.96 (0.7-1.1)	0.93 (0.77-1)	0.84 (0.73-0.94)	>0.05 ^a 0.70 ^b 0.13 ^c

TAS: Total antioxidant stress, TOS: Total oxidant stress, IMA: Ischemic-modified albumin,

^a Group 1 vs Group 2. ^b Group 1 vs Group 3. ^c Group 2 vs Group 4

