

Supplementary Table 1. Cytokine profile of Covid-19 RT-PCR positive and RT-PCR negative men at the time of hospitalization.

Parameters	Admission (RT-PCR negative result) N=30	Admission (RT-PCR positive result) N=105	p
CRP (mg/L)	8.42 (0.00-49.00)	100.00 (3.00-270.00)	<0.001 ^a
IL-2 (pg/ml)	1.00 (0.00-1.00)	0.00 (0.00-22.00)	0.636
IL-4 (pg/ml)	1.09 (0.89-1.64)	1.05 (0.00-3.25)	0.106
IL-6 (pg/ml)	2.44 (0.49-255.90)	9.48 (0.39-290.95)	0.089
IL-8 (pg/ml)	18.17 (2.33-73.32)	28.94 (1.88-797.00)	0.435
IL-10 (pg/ml)	0.94 (0.25-30.36)	1.93 (0.00-73.36)	0.011 ^a
VEGF (pg/ml)	146.20 (8.62-464.02)	242.63 (27.02-1183.40)	0.012 ^a
IFNG (pg/ml)	0.24 (0.00-6.58)	0.43 (0.00-37.61)	0.086
TNFA (pg/ml)	6.04 (1.45-51.15)	6.15 (2.75-29.53)	0.389
IL-1A (pg/ml)	0.00 (0.00-0.24)	0.08 (0.00-1.02)	0.045 ^a
IL-1B (pg/ml)	1.04 (0.60-2.16)	0.88 (0.00-2.94)	0.723
MCP-1 (pg/ml)	152.39 (30.73-697.00)	171.01 (14.89-697.00)	0.052
EGF (pg/ml)	81.01 (47.92-289.81)	139.92 (8.87-707.51)	0.966

Data are expressed as median (IQR) (25th-75th percentile)

^aSignificant difference between Admission (RT-PCR negative results) and Admission (RT-PCR positive results) by Mann Whitney U test

CRP: C-Reactive Protein, EGF: epidermal growth factor, IFNG: Interferon- γ , IL-2: Interleukin-2, IL-4: Interleukin-4, IL-6: Interleukin-6, IL-8: Interleukin-8, IL-10: Interleukin-10, IL-1A: Interleukin-1 α , IL-1B: Interleukin-1 β , MCP-1: Monocyte Chemoattractant Protein-1, TNFA: Tumor Necrosis Factor- α , VEGF: Vascular Endothelial Growth Factor

Supplementary Table 2. Cytokine profile of Covid-19 RT-PCR positive and RT-PCR negative women at the time of hospitalization.

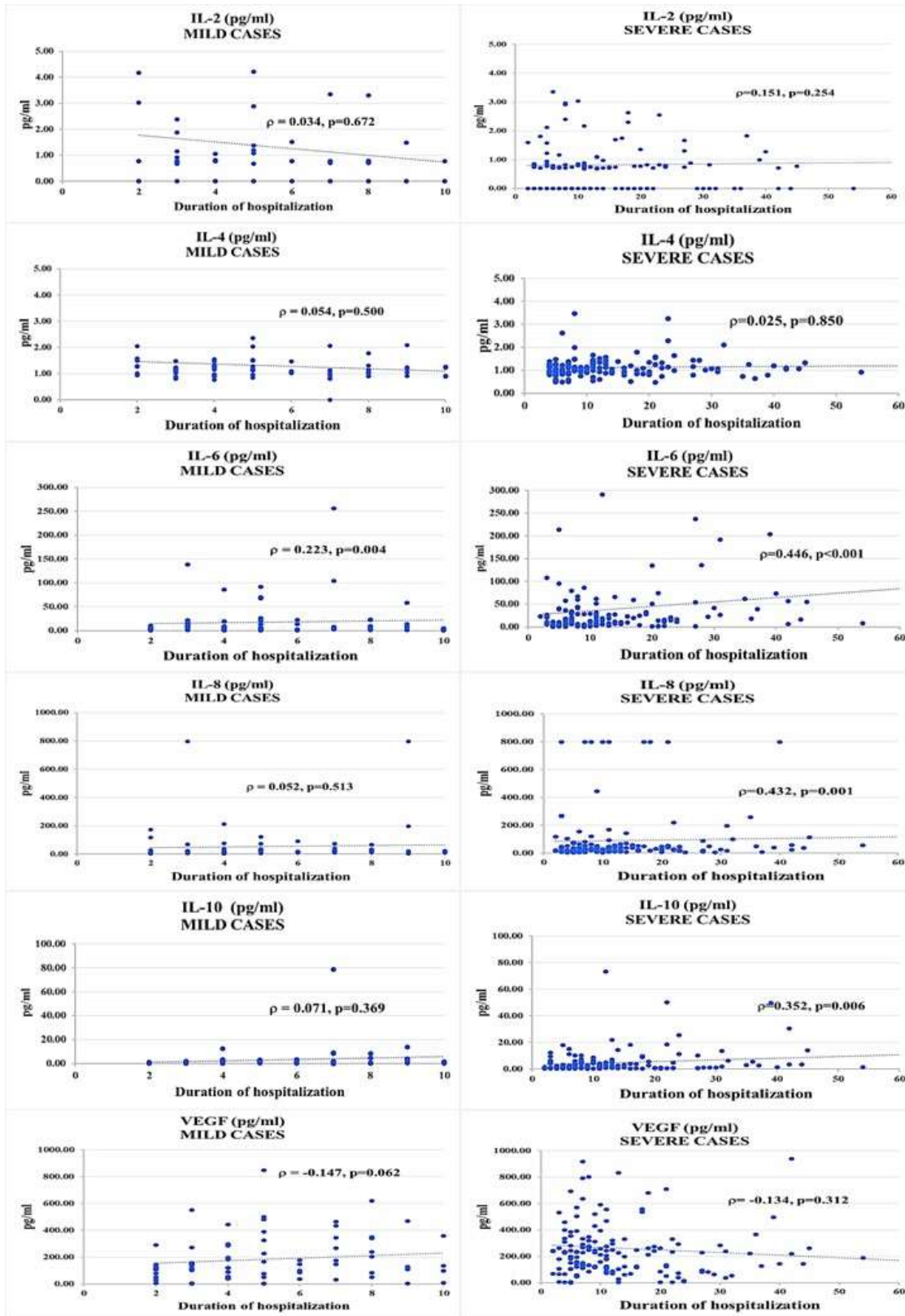
Parameters	Admission (RT-PCR negative result) N=29	Admission (RT-PCR positive result)N=97	P value
CRP (mg/L)	39.75 (1.00-149.00)	77.59 (2.00-269.00)	0.038 ^a
IL-2 (pg/ml)	0.50 (0.00-4.00)	1.00 (0.00-28.00)	0.840
IL-4 (pg/ml)	1.09 (0.51-1.49)	1.13 (0.49 – 1.69)	0.265
IL-6 (pg/ml)	15.68 (2.24-108.25)	9.75 (0.57-462.27)	0.716
IL-8 (pg/ml)	34.28 (4.69-797.00)	19.59 (4.78-263.68)	0.687
IL-10 (pg/ml)	0.89 (0.26-3.69)	2.42 (0.23-78.65)	0.484
VEGF (pg/ml)	185.43 (50.47-535.67)	151.66 (2.55-620.3)	0.185
IFNG (pg/ml)	0.73 (0.00-48.67)	0.39 (0.00-33.23)	0.545
TNFA (pg/ml)	7.29 (2.71-12.81)	5.73 (1.27-17.45)	0.496
IL-1A (pg/ml)	0.00 (0.00-1.15)	0.00 (0.00-0.32)	0.700
IL-1B (pg/ml)	0.91 (0.00-20.36)	0.80 (0.00-3.88)	0.629
MCP-1 (pg/ml)	162.19 (54.03-697.00)	160.54 (16.49-697.00)	0.441
EGF (pg/ml)	95.65 (4.96-282.45)	85.63 (13.95-367.94)	0.931

Data are expressed as median (IQR) (25th-75th percentile)

^aSignificant difference between Admission (RT-PCR negative results) and Admission (RT-PCR positive results) by Mann Whitney U test

CRP: C-Reactive Protein, EGF: epidermal growth factor, IFNG: Interferon- γ , IL-2: Interleukin-2, IL-4: Interleukin-4, IL-6: Interleukin-6, IL-8: Interleukin-8, IL-10: Interleukin-10, IL-1A: Interleukin-1 α , IL-1B: Interleukin-1 β , MCP-1: Monocyte Chemoattractant Protein-1, TNFA: Tumor Necrosis Factor- α , VEGF: Vascular Endothelial Growth Factor

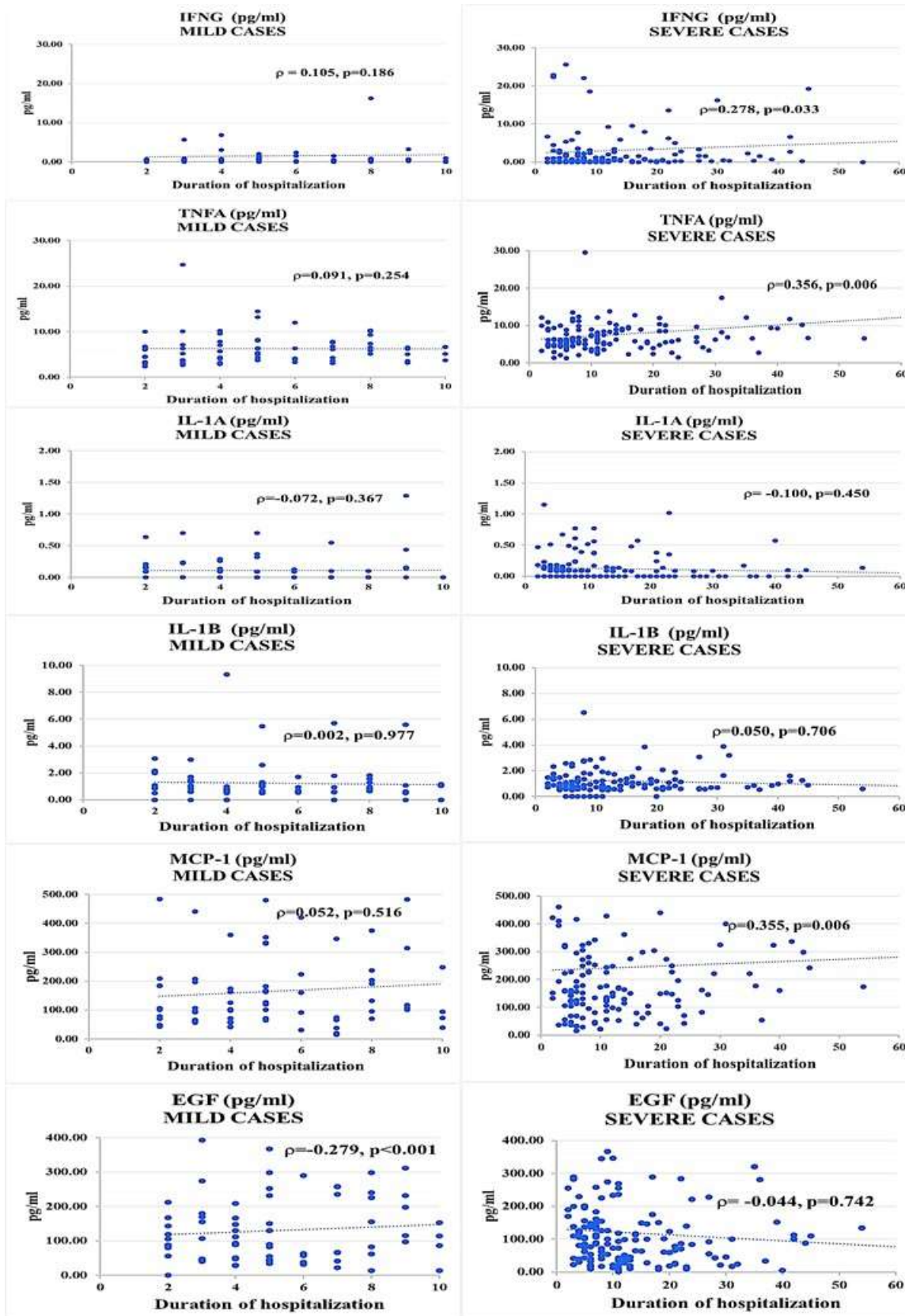
Supplementary Figure 1a. Relationship between cytokines and length of stay in the hospital



Scatterplot showing the relationship using the nonparametric Spearman correlation test between cytokines and severity of the disease.

IL-2: Interleukin-2, IL-4: Interleukin-4, IL-6: Interleukin-6, IL-8: Interleukin-8, IL-10: Interleukin-10,
VEGF: Vascular Endothelial Growth Factor

Supplementary Figure 1b. Relationship between cytokines and length of stay in the hospital



Scatterplot showing the relationship using the nonparametric Spearman correlation test between cytokines and severity of the disease.

EGF: epidermal growth factor, IFNG: Interferon- γ , IL-1 α : Interleukin-1 α , IL-1 β : Interleukin-1 β , MCP-1: Monocyte Chemoattractant Protein-1, TNFA: Tumor Necrosis Factor- α ,