

**Supplementary Table 1: Correlations between plasma cytokine levels with days of virus clearance in COVID-19 patients**

Immune mediator	Correlation with days of virus clearance					
	Total patients (n = 81)		Do not require mechanical ventilator (n = 62)		Require mechanical ventilator (n = 19)	
	<i>rho</i>	<i>p</i>	<i>rho</i>	<i>p</i>	<i>rho</i>	<i>p</i>
<b>EGF</b>	0.2916	**0.0083	0.1888	0.1417	0.5655	*0.0116
<b>FGF-2</b>	0.2701	*0.0147	0.1400	0.2779	0.6146	**0.0051
<b>GRO-<math>\alpha</math></b>	0.3126	**0.0045	0.1992	0.1206	0.5775	**0.0096
<b>RANTES</b>	0.3015	**0.0062	0.2263	0.0770	0.5176	*0.0232
<b>IL-1<math>\beta</math></b>	-0.2483	*0.0254	-0.3314	**0.0085	0.0779	0.7511
<b>IL-17A</b>	-0.2435	*0.0285	-0.3333	**0.0081	0.0683	0.7812

Correlation analysis was carried out using Spearman's rank correlation. \* $p < 0.05$ , \*\* $p < 0.01$ . EGF, epidermal growth factor; FGF-2, basic fibroblast growth factor; GRO- $\alpha$ , chemokine (C-X-C motif) ligand (CXCL) 1, RANTES, regulated on activation, normal T cell expressed and secreted IL-1 $\beta$ , interleukin-1 beta; IL-17A, interleukin-17A.