

**Immunological sub-phenotypes and response to Convalescent Plasma in COVID-19 induced ARDS : a
secondary analysis of the CONFIDENT trial.**

Intensive Care Medicine

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ESM_5: Results of post-hoc pairwise comparisons regarding variables showing significant differences among the 4 subphenotypes

Time from ICU admission	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	-4.87	<0.001
Subphenotype 1 - Subphenotype 3	-2.66	0.047
Subphenotype 3 - Subphenotype 2	-0.66	1
Subphenotype 1 - Subphenotype 4	-1.18	1
Subphenotype 2 - Subphenotype 4	3.45	0.003
Subphenotype 3 - Subphenotype 4	1.72	0.51
NP PCR test for SARS-Cov-2	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	-1.23	1
Subphenotype 1 - Subphenotype 3	-0.34	1
Subphenotype 3 - Subphenotype 2	-0.60	1
Subphenotype 1 - Subphenotype 4	1.90	0.34
Subphenotype 2 - Subphenotype 4	3.51	0.003
Subphenotype 3 - Subphenotype 4	1.93	0.32
APACHE II score (points)	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	1.03	1
Subphenotype 1 - Subphenotype 3	-0.92	1
Subphenotype 3 - Subphenotype 2	1.74	0.49
Subphenotype 1 - Subphenotype 4	-2.77	0.03
Subphenotype 2 - Subphenotype 4	-4.20	<0.001
Subphenotype 3 - Subphenotype 4	-1.24	1
SOFA total (points)	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	0.17	1
Subphenotype 1 - Subphenotype 3	-1.21	1
Subphenotype 3 - Subphenotype 2	1.44	0.90
Subphenotype 1 - Subphenotype 4	-3.95	<0.001
Subphenotype 2 - Subphenotype 4	-4.72	<0.001

Subphenotype 3 - Subphenotype 4	-1.86	0.38
<i>Sofa_Respiratory</i>	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	-0.89	1
Subphenotype 1 - Subphenotype 3	-3.70	0.001
Subphenotype 3 - Subphenotype 2	3.36	0.005
Subphenotype 1 - Subphenotype 4	-4.10	<0.001
Subphenotype 2 - Subphenotype 4	-3.84	0.001
Subphenotype 3 - Subphenotype 4	0.50	1
Sofa_cardiovascular	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	0.18	1
Subphenotype 1 - Subphenotype 3	-1.22	1
Subphenotype 3 - Subphenotype 2	1.45	0.88
Subphenotype 1 - Subphenotype 4	-3.12	0.01
Subphenotype 2 - Subphenotype 4	-3.77	0.001
Subphenotype 3 - Subphenotype 4	-1.21	1
FiO2	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	-1.64	0.60
Subphenotype 1 - Subphenotype 3	-3.49	0.003
Subphenotype 3 - Subphenotype 2	2.59	0.06
Subphenotype 1 - Subphenotype 4	-3.38	0.004
Subphenotype 2 - Subphenotype 4	-2.27	0.14
Subphenotype 3 - Subphenotype 4	0.85	1
PaO2/FiO2	Z-statistic	Adjusted p-value
Subphenotype 1 - Subphenotype 2	1.79	0.44
Subphenotype 1 - Subphenotype 3	3.52	0.003
Subphenotype 3 - Subphenotype 2	2.51	0.07
Subphenotype 1 - Subphenotype 4	3.89	0.001
Subphenotype 2 - Subphenotype 4	2.71	0.04
Subphenotype 3 - Subphenotype 4	-0.48	1