

**Supplementary Table 9. Spearman R's correlation with Body Mass Index adjusted by age.**

<b>Immune Markers and Phenotypes</b>	<b>&lt; 65 years old ICU patients</b>	<b>&gt; 65 years old ICU patients</b>
<b>Biochemical data</b>		
Erythrocytes	0,335714286	0,383240404
Hemoglobin	0,182142857	0,383240404
Hematocrit	0,173369149	0
Platelets	-0,085714286	-0,523809524
Total Leukocytes	0,239285714	0
Neutrophils %	0,355674852	-0,023809524
Eosinophils %	-0,164432595	-0,083833838
<b>Basophils %</b>	-0,107431005	<b>0,80511756</b>
Lymphocytes %	-0,321428571	0,239525252
Monocytes %	-0,496428571	-0,714285714
N/L ratio	0,207142857	-0,261904762
Serum urea	0,007149243	-0,179643939
Serum creatinin	0,010723865	-0,595238095
ALT	-0,7	0,8
AST	-0,3	0,4
Total Bilirubin	0	-0,6
<b>Serum Sodium</b>	-0,134510107	<b>0,810843716</b>
Serum Potassium	-0,167832168	-0,571428571
sTREM-1	-0,09010989	0,142857143
IL-6	0,081318681	-0,678571429
<b>Immune markers and Phenotypes</b>		
<b>% Monocytes (PMBC)</b>		
CD14+	-0,635714286	-0,214285714
CD14+CD80+	0,142857143	-0,261904762
CD14+CD80+ MFI	-0,171581838	-0,30952381
CD14+CD163+	0,217857143	0,119047619
CD14+CD163+ MFI	0,073279743	0,071428571
CD14+CD274+	0,314285714	0
CD14+CD274+ MFI	-0,089285714	-0,119047619
CD14+HLA-DR+	-0,046428571	0,642857143
CD14+HLA-DR+ MFI	-0,035714286	0,214285714
CD14+HLA-DR+ MFI	-0,435714286	-0,357142857
CD14+CD163+CD274+HLA-DR+	-0,201966122	-0,047619048
CD14+CD163+CD274-HLA-DR+	0,067857143	0,714285714
CD14+CD163-CD274+HLA-DR+	-0,181848242	-0,095238095
<b>% Low Density Neutrophils (PBMC)</b>		
CD11b+	0,389285714	0,285714286
CD11b+	-0,192857143	0,166666667
CD11b+CD14+	-0,189285714	-0,547619048
CD11b+CD14+ MFI	0,489285714	-0,071428571
CD11b+CD274+	-0,082142857	-0,214285714
CD11b+CD274+ MFI	0,139285714	0,404761905
CD11b+HLA-DR+	0,042857143	-0,047619048
CD11b+HLA-DR+ MFI	0,27032967	-0,047619048
CD11b+CD14+CD274+HLA-DR+	0,164285714	-0,095238095
<b>CD11b+CD14+CD274+HLA-DR-</b>	<b>-0,242857143</b>	<b>-0,738095238</b>
CD11b+CD14-CD274+HLA-DR+	0,01081125	0,083833838
<b>% CD3- Natural Killer (PBMC)</b>		
	0,432142857	0,69047619

CD11c+	-0,464285714	0,19047619
CD11c+ MFI	0,173626374	-0,071428571
CD16+	-0,182142857	0,261904762
<b>CD16+ MFI</b>	<b>0,525274725</b>	<b>0,738095238</b>
CD56+	-0,292857143	-0,047619048
CD56+ MFI	0,125	-0,119047619
CD16+CD56+	-0,085714286	0
CD16+CD56-	0,324666942	0,404761905
CD16-CD56+	-0,478571429	-0,523809524
<i>% High Density Neutrophils</i>		
<i>(Polymorphonuclear cells)</i>		
	0,478571429	0,45509798
CD11b+	0,330345905	0,395877319
CD11b+CD16+	0,500447027	0,238095238
<b>CD11b+CD16+ MFI</b>	<b>0,582142857</b>	0,047619048
CD11b+CD182+	-0,368515795	-0,263477778
CD11b+CD182+ MFI	-0,085714286	-0,380952381
CD11b+TREM-1+	-0,425	-0,023809524
CD11b+TREM-1+ MFI	0,003571429	0,238095238
CD11b+CD16 <sup>+</sup> CD182 <sup>+</sup> TREM-1 <sup>+</sup>	0,175	0,404761905
CD11b+CD16 <sup>+</sup> CD182 <sup>-</sup> TREM-1 <sup>+</sup>	0,346738298	0,30952381
CD11c+	-0,418605321	-0,547619048
<b>CD11c+CD274+</b>	<b>0,264285714</b>	<b>-0,761904762</b>
CD11c+CD274+ MFI	-0,082216297	-0,380952381
<b>CD11c+CD279+</b>	<b>0,521428571</b>	0,419169192
CD11c+CD279+ MFI	0,275	-0,119047619
CD11c+HLA-DR+	0,189285714	-0,095238095
CD11c+HLA-DR+ MFI	-0,257142857	-0,238095238
CD11c+CD274+CD279+HLA-DR+	0,143014388	-0,023809524
CD11c+CD274+CD279+	0,128571429	-0,214285714
CD11c+CD274+CD279-	-0,17694377	-0,547619048
CD11c+CD274-CD279+	0,437891149	0,476190476

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This analysis included data from severe patients with obesity (n=8) and non-obese patients (n=16).  
Legend: ICU: intensive unit care; N/L: neutrophil-to-lymphocyte ratio; sTREM-1: soluble triggering receptor on myeloid cells-1; IL-6: interleukin 6; MFI: mean fluorescence intensity. Significant correlations are highlighted in bold (p<0.05).

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