

Comparing Results of Five SARS-CoV-2 Antibody Assays Before and After the First Dose of ChAdOx1 nCoV-19 Vaccine among Health Care Workers

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Supplementary information

Supplemental Table 1. Quantitative median values of SARS-CoV-2 antibody assays according to the characteristics of participants

Supplemental Table 1 Quantitative median values of SARS-CoV-2 antibody assays according to the characteristics of participants^a

Characteristics	Roche (U/mL)	<i>P</i> -value	Abbott (AU/mL)	<i>P</i> -value	Siemens (index)	<i>P</i> -value	SD biosensor V1 (%)	<i>P</i> -value	SD biosensor V2 (%)	<i>P</i> -value	GenScript (%)	<i>P</i> -value
Sex		0.070		0.081		0.035		0.184		0.019		0.274
Male (n = 36)	12.1		418.8		5.4		86.8		66.8		48.5	
Female (n = 192)	7.5		265.3		2.6		79.9		49.8		39.7	
Age		0.838		0.603		0.552		0.405		0.874		0.940
21-30 (n = 101)	9.0		306.0		3.1		79.9		52.2		40.3	
31-40 (n = 50)	6.4		329.2		3.8		85.5		53.7		42.9	
41-50 (n = 46)	6.8		225.1		2.1		71.5		47.1		36.7	
51-60 (n = 31)	8.1		280.8		2.7		82.3		55.2		43.9	
Occupation		0.130		0.011		0.018		0.038		0.012		0.049
Doctor (n = 14)	15.8		531.2		5.6		91.6		68.1		56.7	
Nurse (n = 154)	6.4		245.2		2.2		78.2		46.7		36.6	
Medical technician (n = 58)	9.3		418.8		3.6		83.7		58.6		43.7	
Others (n = 2)	16.0		360.5		4.0		74.4		55.7		37.3	
Days after vaccination		< 0.001		0.002		0.006		0.005		0.001		0.001
11-20 days (n = 179)	6.5		251.1		2.6		78.9		47.3		36.6	
21-28 days (n = 49)	16.8		417.0		4.0		88.3		65.0		49.8	
Adverse reactions after vaccination		0.017		0.003		0.01		0.009		0.002		0.011
Absent (n = 8)	1.4		76.6		0.7		45.1		18.2		21.0	
Mild (n = 152)	6.4		259.7		2.8		78.2		50.0		37.3	
Severe (n = 68)	10.6		394.8		3.4		86.2		57.7		45.6	
Duration of adverse reactions		0.011		0.002		0.034		0.05		0.04		0.015
< 1 day (n = 59)	5.1		182.1		2.2		74.8		45.5		34.8	
2-3 days (n = 141)	10.1		318.3		3.3		85.3		55.5		44.5	
> 4 days (n = 20)	12.6		687.6		4.7		84.1		65.8		60.3	
Antipyretics		0.875		0.353		0.705		0.594		0.094		0.836
Not taken (n = 23)	8.8		197.9		2.6		76.2		41.7		35.7	
Taken (n = 205)	7.6		284.2		3.1		81.6		52.7		40.8	
Total after vaccination (n = 228)	7.8		278.4		3.0		80.3		51.1		40.3	

^aData are expressed as medians.