

S-Table 1: Baseline characteristics of 290 kidney transplant recipients receiving whole-virus inactivated COVID-19 vaccine

Variables	Total number	No. (Proportion) /Mean (SD)/Median (range)
Gender	290	
Male		208 (71.7%)
Female		82 (28.3%)
Age, years	290	40.5 (\pm 10.8)/41 (13-76)
Donor Type	290	
Deceased		125 (43.1%)
Living		165 (56.9%)
Vaccine Type (First-Second dose)	290	
BBIBP-CorV-BBIBP-CorV		95 (32.8%)
BBIBP-CorV-Coronavac		18 (6.2%)
BBIBP-CorV (only one dose)		3 (1.0%)
Coronavac-BBIBP-CorV		40 (13.8%)
Coronavac-Coronavac		126 (43.4%)
Coronavac (Only one dose)		8 (2.7%)
HLA mismatches	290	
≤ 3		172 (59.3%)
>3		118 (40.7%)
Induction therapy	290	
None		8 (2.8%)
Basiliximab		168 (57.9%)
Antithymocyte immunoglobulin		114 (39.3%)
Maintenance immunosuppression	290	
Tacrolimus+Mycophenolic acid+ Steroids		283 (97.6%)
Cyclosporine+ Mycophenolic acid +Steroids		7 (2.4%)
Duration after transplantation, Months	290	44.3 (\pm 30.3)/38 (3-173)
Any prevaccination rejection	290	5 (1.7%)
Rejection Treatment in the last year		
High-dose steroids	290	5 (1.7%)
Antithymocyte immunoglobulin	290	2 (0.7%)
Rituximab	290	3 (1.0%)
Tacrolimus trough levels before vaccination, ng/mL	277	6 (\pm 1.5)/5.9 (1.5-11.6)
Leucocyte count before vaccination, (10^9 /mL)	290	7.6 (\pm 2.1)/7.4 (3.1-16.9)
Neutrophils before vaccination, (%)	290	63.3 (\pm 10.2)/63.3 (2.9-88.4)
Lymphocyte before vaccination, (%)	290	26.1 (\pm 8.3)/25.5 (1.8-54.5)
Hemoglobin before vaccination, (g/L)	290	142 (\pm 20.1)/143 (80-188)
Serum albumin before vaccination, (g/L)	290	46.1 (\pm 2.9)/46.3 (34.1-53.2)

SD: standard deviation; HLA: human leukocyte antigen; COI: cut off index;

S-Table 2: Local and systematic systems of 290 kidney transplant recipients after receiving inactivated COVID-19 vaccine

Adverse events	No.	Events (proportion)
Local symptoms		
Pain	290	
No		285 (98.3%)
Mild		2 (0.7%)
Moderate		2 (0.7%)
Severe		0 (0%)
Erythema	290	
No		283 (97.6%)
Mild		4 (1.4%)
Moderate		3 (1%)
Severe		0 (0%)
Swelling	290	
No		290 (100%)
Mild		0 (0%)
Moderate		0 (0%)
Severe		0 (0%)
Systematic symptoms		
Fever	290	
No		283 (97.6%)
Mild		3 (1%)
Moderate		2 (0.7%)
Severe		2 (0.7%)
Chills	290	
No		288 (99.3%)
Mild		0 (0%)
Moderate		0 (0%)
Severe		2 (0.7%)
Fatigue	290	
No		271 (93.4%)
Mild		6 (2.1%)
Moderate		7 (2.4%)
Severe		6 (2.1%)
Headache	290	
No		280 (96.6%)
Mild		2 (0.7%)
Moderate		5 (1.7%)
Severe		3 (1%)
Myalgias	290	
No		265 (91.4%)
Mild		14 (4.8%)
Moderate		9 (3.1%)

Severe		2 (0.7%)
Diarrhea	290	
No		284 (97.9%)
Mild		1 (0.3%)
Moderate		3 (1%)
Severe		2 (0.7%)
Vomiting	290	
No		288 (99.3%)
Mild		2 (0.7%)
Moderate		0 (0%)
Severe		0 (0%)
