

SUPPLEMENTAL TABLES

Table S1. Cohort vaccination information

| Factor | Value |
|-------------------------------|--------------|
| 1st dose vaccine brand (n=74) | |
| Pfizer | 43 (58) |
| Moderna | 29 (39) |
| AstraZeneca | 2 (3) |
| 2nd dose vaccine brand (n=74) | |
| Pfizer | 62 (84) |
| Moderna | 11 (15) |
| AstraZeneca | 1 (1) |
| 3rd dose vaccine brand (n=46) | |
| Pfizer | 27 (59) |
| Moderna | 19 (41) |
| Days from 1st to 2nd dose | 35 [28-47] |
| Days from 2nd to 3rd dose | 108 [99-123] |
| Days from last dose to assays | 39 [28-65] |

Data are expressed as n (%), or median [25th, 75th percentiles].

Table S2. Association between baseline clinical characteristics and positive neutralization

| | Omicron neutralization | | OR (95% CI) | P-value |
|--|------------------------|--------------------|-------------------|----------------|
| | Positive (n=11) | Negative (n=63) | | |
| Age, years | 47 ± 13 | 57 ± 14 | 0.95 (0.91-0.997) | 0.04 |
| Female sex | 6 (55) | 28 (44) | 1.50 (0.41-5.43) | 0.54 |
| Time post-transplant, years | 7 [2, 13] | 4 [2, 15] | 0.99 (0.92-1.08) | 0.96 |
| Number of doses | 2.8 ± 0.1 | 2.6 ± 0.1 | 3.16 (0.63-15.85) | 0.16 |
| Time since last dose, days | 26 [24, 39] | 40 [30, 83] | 0.95 (0.89-1.01) | 0.08 |
| eGFR ^a , mL/min/1.73 m ² | 63 ± 7 | 53 ± 2 | 1.03 (0.99-1.07) | 0.09 |
| WBC total (× 10 ⁹ /L) | 8.9 ± 0.9 | 7.4 ± 0.3 | 1.19 (0.96-1.47) | 0.11 |
| Lymphocyte count (× 10 ⁹ /L) | 3.0 ± 0.7 | 1.8 ± 0.1 | 2.13 (1.09-4.16) | 0.03 |
| Immunosuppression ^a | | | | |
| Corticosteroids | 10 (91) | 61 (97) | 0.33 (0.03-3.96) | 0.38 |
| Prednisone dose, mg | 6.4 ± 0.5 | 5.9 ± 0.2 | 1.14 (0.79-1.65) | 0.47 |
| Calcineurin inhibitor ^b | 11 (100) | 58 (92) | - ^b | - ^b |
| Tacrolimus level, ng/dL | 6.2 ± 0.2 | 5.4 ± 0.3 | 0.75 (0.49-1.14) | 0.17 |
| Mycophenolate | 7 (64) | 58 (92) | 0.15 (0.03-0.70) | 0.02 |
| Mycophenolate dose, mg ^c | 1030 ± 57 | 863 ± 219 | 0.99 (0.99-1.00) | 0.32 |

Data are expressed as mean ± standard error of the mean, n (%), or median [25th, 75th percentiles]. Analysis was conducted using logistic regression. Renal function was calculated with the CKD-EPI formula. eGFR, estimated glomerular filtration rate; WBC, white blood cell count.

^a At time of blood collection for the assays

^b All the patients who were positive for neutralization received tacrolimus, therefore the regression could not be conducted

^c In mycophenolate mofetil equivalent.