

Table S1. Demographics and clinical characteristics comparisons between enrolled and non-enrolled patients on hemodialysis

| | Enrolled (n= 162) | Non-enrolled (n= 336) | P value |
|--------------------------|------------------------|------------------------|---------|
| Age, year | 64.48 ± 13.06 | 66.58 ± 13.35 | 0.098 |
| Male, n (%) | 89 (54.9) | 175 (52.1) | 0.550 |
| Hemoglobin (g/dL) | 10.11 ± 1.19 | 10.04 ± 1.28 | 0.558 |
| WBC (1000/ μ L) | 6.53 ± 2.91 | 6.66 ± 2.85 | 0.637 |
| Platelet (1000/ μ L) | 192.59 ± 68.93 | 189.28 ± 68.34 | 0.616 |
| Albumin (g/dL) | 4.04 ± 0.36 | 3.98 ± 0.53 | 0.164 |
| Cholesterol (mg/dL) | 154.28 ± 37.18 | 153.39 ± 35.84 | 0.801 |
| Triglyceride (mg/dL) | 118.5 (80.00-175.75) | 119 (81-184) | 0.748 |
| AST (U/L) | 16.00 (13.00-20.75) | 17 (13-22) | 0.445 |
| ALT (U/L) | 14 (10-19) | 15 (11-20) | 0.074 |
| Alk-P (U/L) | 89.50 (70.75-125.00) | 95 (72-139) | 0.449 |
| Total bilirubin (mg/dL) | 0.4 (0.3-0.4) | 0.3 (0.3-0.4) | 0.615 |
| Bun (mg/dL) | 69.23 ± 21.44 | 71.33 ± 21.76 | 0.311 |
| Creatinine (mg/dL) | 9.81 ± 2.49 | 9.18 ± 2.76 | 0.014 |
| Uric acid (mg/dL) | 6.36 ± 1.87 | 6.46 ± 1.79 | 0.557 |
| Na (meq/L) | 138.14 ± 3.14 | 138.07 ± 3.24 | 0.805 |
| K (meq/L) | 4.75 ± 0.79 | 4.68 ± 0.84 | 0.368 |
| Ca (mg/dL) | 9.38 ± 0.83 | 9.29 ± 0.93 | 0.323 |
| P (mg/dL) | 5.30 ± 1.59 | 5.24 ± 1.54 | 0.661 |
| C-reactive protein | 4.25 (1.40-9.82) | 3.50 (1.30-8.70) | 0.449 |
| Urea reduction rate | 76 (71-79) | 76 (71-80) | 0.299 |
| Kt/V (Daugirdes) | 1.64 ± 0.34 | 1.68 ± 0.32 | 0.155 |
| nPCR (g/kg/day) | 1.08 ± 0.53 | 1.08 ± 0.53 | 0.978 |
| TACurea | 41.29 ± 13.43 | 42.18 ± 13.28 | 0.497 |
| Iron (μ g/dL) | 65 (50-89) | 65.00 (50.25-84.00) | 0.737 |
| Ferritin (ng/mL) | 412.50 (220.25-667.00) | 433.50 (191.25-665.50) | 0.888 |
| TSAT (%) | 34.13 ± 14.65 | 32.40 ± 14.41 | 0.219 |
| Cardiac/thoracic ratio | 0.51 ± 0.06 | 0.52 ± 0.07 | 0.392 |
| Ca x P product | 50.05 ± 16.86 | 48.73 ± 15.04 | 0.380 |

Notes: Data are presented as mean ± standard deviation and median (interquartile range). Abbreviations: Abs, antibodies; WBC, white blood cell count; AST, aspartate transaminase; ALT, alanine transaminase; Alk-P, alkaline phosphatase; Bun, blood urea nitrogen; Kt/V, was used for the quantification of dialysis adequacy by the following formula: dialysis clearance of urea (K) multiplied by dialysis time (t), divided by the volume of distribution of urea (V); nPCR, normalized protein catabolic rate; TACurea, time average urea concentration; TSAT, transferrin saturation. *: statistically significant; §: Nonparametric, independent Sample Mann-Whitney U test.

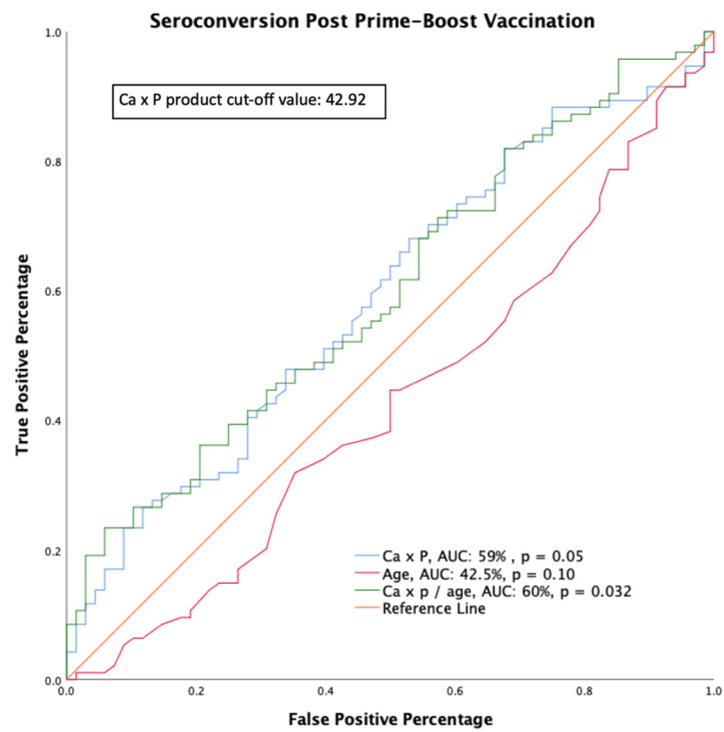


Figure S1. Receiver operating characteristic curve illustrating the performance of $\text{Ca} \times \text{P}$ (AUC: 59%), Age (AUC: 43%), and the combination obtained by $\text{Ca} \times \text{P}$ dividing age (AUC: 60%) in predicting the development of NT_{50} over 35.13 IU/mL after prime-boost doses of ChAdOx1 vaccination.