S1 Table. Multivariate logistic regression analysis on predictors for sustained remission in each cohort

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variables | Total |  | BRASS |  | KORONA |
| P | OR | 95% CI |  | P | OR | 95% CI |  | P | OR | 95% CI |
| CohortBRASS | 0.85 | 1.06 | (0.58-1.95) |  |  |  |  |  |  |  |  |
| Age (years)65 ~45 ~ 64~ 44 | 0.310.250.13 | 11.331.66 | (0.82-2.17)(0.86-3.21) |  | 0.810.520.76 | 10.650.76 | (0.18-2.36)(0.13-4.44) |  | 0.120.090.05 | 11.622.13 | (0.93-2.82) (1.00-4.51) \* |
| RA duration (years)15 ~10 ~ 14.95 ~ 9.9~ 4.9 | 0.160.080.090.03 | 11.821.681.96 | (0.93-3.55)(0.93-3.04) (1.08-3.58)\* |  | 0.110.040.040.47 | 15.073.751.89 |  (1.12-22.9) \* (1.04-13.6) \*(0.34-3.35) |  | 0.730.720.560.29 | 11.161.241.45 | (0.51-2.61)(0.61-2.52)(0.73-2.88) |
| Education~ high schoolcollege ~ | 0.22 | 11.34 | (0.84-2.15) |  | 0.83 | 11.14 | (0.35-3.72) |  | 0.44 | 11.23 | (0.61-2.52) |
| SexMale | 0.30 | 1.21 | (0.78-1.86) |  | 0.67 | 1.31 | (0.38-4.47) |  | 0.21 | 1.47 | (0.81-2.69) |
| Modified HAQScore=0 (no disability) | 0.01 | 1.80 | (1.18-2.74) \* |  | 0.99 | 0.99 | (0.35-3.72) |  | <0.01 | 1.96 |  (1.21-3.16) \* |
| Glucocorticoid useNo | 0.05 | 1.58 | (1.01-2.47) \* |  | 0.53 | 1.74 | (0.31-9.74) |  | 0.12 | 1.48 | (0.90-2.41) |
| Charlson comorbidity indexNo | 0.39 | 1.21 | (0.78-1.87) |  | 0.07 | 3.26 | (0.93-11.5) |  | 0.78 | 1.07 | (0.67-3.06) |
| Rheumatoid factorNegative | 0.44 | 1.27 | (0.69-2.35) |  | 0.69 | 0.81 | (0.28-2.36) |  | 0.41 | 1.39 | (0.63-3.06) |

**\***P<0.05; BRASS, Brigham Rheumatoid Arthritis Sequential Study; KORONA, KORean Observational study Network for Arthritis; OR, odds ratio; CI, 95% confidence interval; HAQ, health assessment questionnaire