**Supplementary Material 3.** Multivariate analysis results for improvement factors of symptoms 4 or 12 weeks later (other patterns)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fatigue (4 weeks)** | **Item** | **Odds ratio** | **95% CI** | **P-value** | **\*** |
|  | Sex (male: 1; female: 0) | 0.51  | [0.01 - 34.08] | 0.751  |  |
|  | age | 0.98  | [0.84 - 1.14] | 0.772  |  |
|  | Na | 0.52  | [0.23 - 1.19] | 0.121  |  |
|  | K | 0.19  | [0.02 - 2.40] | 0.201  |  |
|  | Zn | 0.97  | [0.92 - 1.03] | 0.314  |  |
|  | Cu | 1.04  | [0.94 - 1.15] | 0.491  |  |
|  | eGFR | 1.09  | [0.93 - 1.28] | 0.269  |  |
|  |  |  |  |  |  |
| **Taste disorder (12 weeks)** | **Item** | **Odds ratio** | **95% CI** | **P-value** | **\*** |
|  | Sex (male: 1; female: 0) | 0.65  | [0.13 - 3.21] | 0.597  |  |
|  | age | 0.91  | [0.83 - 1.00] | 0.061  |  |
|  | Na | 1.30  | [0.84 - 2.00] | 0.234  |  |
|  | K | 1.15  | [0.21 - 6.37] | 0.874  |  |
|  | Zn | 1.02  | [0.96 - 1.09] | 0.524  |  |
|  | Cu | 1.01  | [0.97 - 1.06] | 0.554  |  |
|  | eGFR | 0.99  | [0.95 - 1.03] | 0.608  |  |
|  |  |  |  |  |  |
| **Olfactory disorder (12 weeks)** | **Item** | **Odds ratio** | **95% CI** | **P-value** | **\*** |
|  | Sex (male: 1; female: 0) | 0.87  | [0.20 - 3.80] | 0.855  |  |
|  | age | 1.02  | [0.95 - 1.10] | 0.583  |  |
|  | Na | 0.96  | [0.65 - 1.43] | 0.857  |  |
|  | K | 1.32  | [0.29 - 6.00] | 0.717  |  |
|  | Zn | 0.98  | [0.94 - 1.03] | 0.528  |  |
|  | Cu | 1.00  | [0.97 - 1.03] | 0.964  |  |
|  | eGFR | 1.02  | [0.97 - 1.07] | 0.431  |  |
|  |  |  |  |  |  |
| **Hair loss (4 weeks)** | **Item** | **Odds ratio** | **95% CI** | **P-value** | **\*** |
|  | Sex (male: 1; female: 0) | 0.15  | [0.00 - 7.42] | 0.345  |  |
|  | age | 1.01  | [0.86 - 1.18] | 0.934  |  |
|  | Na | 2.27  | [0.93 - 5.54] | 0.071  |  |
|  | K | 17.73  | [0.64 - 490.36] | 0.090  |  |
|  | Zn | 0.92  | [0.83 - 1.02] | 0.131  |  |
|  | Cu | 0.95  | [0.89 - 1.02] | 0.160  |  |
|  | eGFR | 1.04  | [0.94 - 1.15] | 0.463  |  |

\*P < 0.05 Wald’s Chi-squared test. Na: sodium; K: potassium; Zn: zinc; Cu: copper; eGFR: estimated glomerular filtration rate.