**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.