**Table S2.** Critical illness risk model multiple covariance analysis [GVIF^(1/(2\*Df))]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | **Clinical severity at 1st day** | **TCM therapy** | **Respiratory support mode** | **Tracheotomy** | **PaO2/FiO2** |
| **Full-model** | 2.28 | 2.47 | 1.30 | 6.27 | 1.79 | 8.23 |
| **Model A** | 2.09 | 2.46 | 1.17 | 2.45 | - | - |
| **Model B** | 1.67 | 2.67 | 1.30 | - | 1.23 | - |
| **Model C** | 2.09 | 2.79 | 1.27 | - | - | 4.15 |
| full-Model: highest severity ~ as.factor(male) + clinical severity at 1st day + TCM therapy + respiratory support mode + tracheotomy + PaO2/FiO2- 1 |
| Model A: highest severity ~ as.factor(male) + clinical severity at 1st day + TCM therapy + respiratory support mode – 1 |
| Model B: highest severity ~ as.factor(male) + clinical severity at 1st day + TCM therapy + tracheotomy – 1 |
| Model C: highest severity ~ as.factor(male) + clinical severity at 1st day + TCM therapy + PaO2/FiO2 – 1 |