**Supplementary Table 1. PSQI score and sleep time of each patient**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of Patients** | **Sleep disorder** | | **Normal sleep** | |
| **PSQI(Score)** | **Sleep time**  **(hour)** | **PSQI(Score)** | **Sleep time**  **(hour)** |
| **1** | 17 | 5.67 | 5 | 8 |
| **2** | 19 | 4.5 | 3 | 7 |
| **3** | 21 | 12 | 2 | 8 |
| **4** | 18 | 13.2 | 1 | 6.5 |
| **5** | 18 | 6 | 2 | 7 |
| **6** | 17 | 3.5 | 0 | 9 |
| **7** | 16 | 7.5 | 1 | 7.5 |
| **8** | 19 | 13 | 2 | 7.5 |
| **9** | 20 | 5.5 | 4 | 8 |
| **10** | 17 | 14 | 2 | 6 |
| **11** | 16 | 15 | 3 | 7 |
| **12** | 18 | 4.6 | 4 | 7 |
| **13** | 19 | 12 | 2 | 6.5 |
| **14** | 19 | 12.5 | 3 | 8 |

**evaluation degree of PSQI: Score 0-5 Good sleep quality**

**6-10 Fine sleep quality**

**11-15 Common sleep quality**

**16-21 Poor sleep quality**