

Association between depression, anxiety symptoms and gut microbiota in Chinese elderly with functional constipation.

Supplementary Materials:

Table S1: Correlation of depression and anxiety with other influencing factors. (*n* = 198, %)

| | Total | PHQ-9 Mild 61 (30.8) | χ^2 | <i>p</i> | GAD-7 Mild 43 (21.7) | χ^2 | <i>p</i> |
|---------------------------------|-------|----------------------------|----------|-------------------|----------------------------|----------|--------------|
| BMI (kg/m ²) | | | 14.275 | 0.001 | | 9.252 | 0.010 |
| < 20 | 19 | 13 (68.4) | | | 9 (47.4) | | |
| 20.0-26.9 | 140 | 39 (27.9) | | | 29 (20.7) | | |
| > 26.9 | 39 | 9 (23.1) | | | 5 (12.8) | | |
| PSQI | | | 35.274 | < 0.001 | | 6.901 | 0.009 |
| Good | 146 | 28 (19.2) | | | 25 (17.1) | | |
| Poor | 52 | 33 (63.5) | | | 18 (34.6) | | |
| High dietary fiber intake | | | 12.973 | 0.002 | | 2.417 | 0.299 |
| Low | 68 | 30 (44.1) | | | 16 (23.5) | | |
| Moderate | 65 | 21 (32.3) | | | 17 (26.2) | | |
| High | 65 | 10 (15.4) | | | 10 (15.4) | | |
| IPAQ | | | 8.770 | 0.012 | | 5.068 | 0.079 |
| Low | 48 | 23 (47.9) | | | 16 (33.3) | | |
| Moderate | 120 | 31 (25.8) | | | 22 (18.3) | | |
| High | 30 | 7 (23.3) | | | 5 (16.7) | | |

BMI: Body mass index. The Pittsburgh Sleep Quality Index, PSQI. The International Physical Activity Questionnaire, IPAQ. Compared using chi-square test. Bold values indicate statistically significant values, *p* < 0.05.