**Supplementary Table 1.**Comorbidities associated with BMI.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Indication | Underweight(*n*=8) | Normal weight(*n*=74) | Overweight(*n*=56) | Class I obesity(*n*=36) | Class II obesity(*n*=23) | Class III obesity(*n*=43) | *p*-value |
| Diabetes/prediabetes | 0 | 4.1 (3) | 7.1 (4) | 13.9 (5) | 43.5 (10) | 25.6 (11) | <0.0001\*\*\* |
| Dyslipidaemia | 0 | 4.1 (3) | 1.8 (1) | 0 | 0 | 9.3 (4) | 0.016\* |
| Heart defect | 12.5 (1) | 4.1 (3) | 3.6 (2) | 2.8 (1) | 4.3 (1) | 4.7 (2) | 0.896 |
| Heart disease | 0 | 5.4 (4) | 3.6 (2) | 2.8 (1) | 4.3 (1) | 2.3 (1) | 0.941 |
| Hypertension | 12.5 (1) | 14.9 (11) | 21.4 (12) | 38.9 (14) | 47.8 (11) | 55.8 (24) | <0.0001\*\*\* |
| Kidney disease | 0 | 0 | 5.4 (3) | 0 | 4.3 (1) | 3.3 (1) | 0.302 |
| Lupus | 0 | 0 | 0 | 5.6 (2) | 0 | 9.3 (4) | 0.018\* |
| Neurological | 50 (4) | 27.0 (20) | 17.9 (10) | 27.8 (10) | 21.7 (5) | 30.2 (13) | 0.409 |
| Seizure disorder | 37.5 (3) | 5.4 (4) | 5.4 (3) | 2.8 (1) | 4.3 (1) | 4.7 (2) | 0.009\*\* |
| Sickle cell trait/disease | 0 | 6.8 (5) | 1.8 (1) | 2.8 (1) | 4.3 (1) | 0 | 0.419 |

Data are presented as percent (*n*).

\**p*<0.05; \*\**p*<0.01; \*\*\**p*<0.001.