**Supplementary Material**

Supplementary Table 1: Health related quality of life in children with or without overweight and GERD symptoms (median, IQR)

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Overweight children with GERD symptoms**  **(n=14)** | **Overweight children without GERD symptoms**  **(n=34)** | **Normal weight with GERD symptoms**  **(n=16)** | **Normal weight without GERD symptoms**  **(n=43)** | **Overweight children vs. normal weight with GERD symptoms** | **Overweight children with or without GERD symptoms** | **Normal weight without GERD symptoms vs. overweight children with GERD symptoms** |
| **PedsQoL-total** | 69.0 (63.0-80.4) | 85.3 (75.3-94.4) | 85.3 (74.5-92.4) | 89.1 (81.5-94.6) | 0.011\* | 0.021\* | 0.001\*\*\* |
| **PedsQoL-Physical function** | 81.25 (60.2-91.4) | 90.6 (80.5-100.0) | 90.6 (82.0-93.8) | 93.8 (87.5-100.0) | 0.083 | 0.049\* | 0.003\* |
| **PedsQoL-Emotional function** | 67.5 (48.8—80.0) | 80.0 (63.8-90.0) | 70.0 (48.8-88.8) | 85.0 (70.0-100.0) | 0.716 | 0.066 | 0.008\* |
| **PedsQoL-Social function** | 80.0 (73.8-100.0) | 95.0 (75.0-100.0) | 100.0 (96.3-100.0) | 95.0  (85.0-100.0) | 0,005\* | 0.229 | 0.042\* |
| **PedsQoL-School function** | 60.0 (53.8-68.8) | 83.1 (70.0-90.0) | 82.5 (70-91.3) | 80.0 (70.0-95.0) | 0,003\*\* | 0.001\* | 0,001\* |