**Supplementary Table 1:** Construct validity of QoL-PCD assessed through the association of all QoL-PCD scale values with Gender, Age, FEV1 and FVC.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Gender** | **Age (years)** | **FEV1 (z-score)** | **FVC (z-score)** |
| **Variable** | **Males****(n=13)** | **Females****(n=18)** | **P value** | **< 33.6**  | **≥ 33.6** | **P value** | **<-2.00** **z-score** | **≥ -2.00** **z-score** | **P value** | **<-1.47 FVC Z score** | **≥ -1.47 FVC Z score** | **P value** |
| **Physical Functioning** | 86.7(60.0-93.3) | 60.0(38.3-88.3) | 0.060 | 80.0(54.9-93.3) | 60.0(40.0-93.3) | 0.280 | 60.0(33.3-80.0) | 90.0(56.7-93.3) | 0.023 | 60.00(33.3-80.0) | 86.7(48.3-93.3) | 0.110 |
| **Vitality** | 66.7(50.0-77.8) | 66.7 (41.7-77.8) | 0.499 | 66.7(58.3-86.1) | 55.6(33.3-66.7) | 0.036 | 66.7(44.4-77.8) | 66.7(55.6-77.8) | 0.467 | 66.7(44.4-77.8) | 66.7(47.2-77.8) | 0.762 |
| **Emotional Functioning** | 93.3 (80.0-93.3) | 73.3(56.7-88.3) | 0.043 | 86.7(63.3-93.3) | 80.0(66.7-93.3) | 0.793 | 73.3(46.7-93.3) | 86.7(74.9-93.3) | 0.130 | 86.7(46.7-93.3) | 83.3(68.3-93.3) | 0.432 |
| **Treatment Burden** | 70.9(58.3-95.8) | 58.3 (41.7-83.3) | 0.434 | 66.7(45.8-79.2) | 66.7(41.7-91.7) | 0.899 | 75.0(58.3-87.5) | 62.5(35.5-79.2) | 0.416 | 75.0(58.3-85.4) | 58.3(29.2-83.4) | 0.324 |
| **Role** | 66.7 (58.3-95.9) | 66.7 (56.2-77.1) | 0.530 | 66.7(58.3-97.9) | 58.3(50.0-75.0) | 0.174 | 66.7(50.0-91.7) | 62.5(58.3-87.5) | 0.810 | 66.7(50.0-91.7) | 62.5(58.3-87.5) | 0.810 |
| **Social Functioning** | 44.4 (11.1-66.7) | 27.8 (0.0-55.6) | 0.372 | 50.0(33.3-66.7) | 22.2(0.0-44.4) | 0.022 | 33.3(0.0-55.6) | 38.9(22.2-66.7) | 0.316 | 33.3(0.0-55.6) | 38.9(13.9-66.7) | 0.367 |
| **Health Perspective** | 50.0 (29.2-70.9) | 50.0 (25.0-58.3) | 0.322 | 54.2(35.4-72.9) | 50.0(25.0-66.7) | 0.202 | 50.0(25.0-75.0) | 50.0(25.0-66.7) | 0.735 | 50.0(25.0-66.7) | 50.0(25.0-66.7) | 0.842 |
| **Upper Resp. Symptoms** | 58.3 (45.9-83.3) | 62.5(39.6-77.1) | 0.84 | 66.7(52.1-83.3) | 58.3(33.3-66.7) | 0.042 | 58.3(50.0-66.7) | 58.3(41.7-83.3) | 0.905 | 58.3(41.7-66.7) | 58.30(43.8-83.3) | 0.661 |
| **Lower Resp. Symptoms** | 66.7 (52.8-75.0) | 61.1 (37.5-68.1) | 0.251 | 63.9(45.8-76.4) | 61.1(33.3-66.7) | 0.218 | 50.0(38.9-66.7) | 66.7(56.9-77.8) | 0.071 | 55.6(38.9-66.7) | 66.7(51.4-77.8) | 0.112 |
| **Hearing Symptoms** | 66.7 (41.7-100.0) | 83.3 (66.7-100.0) | 0.105 | 83.3(66.7-100.0) | 66.7(50.0-100.0) | 0.068 | 66.7(66.7-100.0) | 75.0(54.2-100.0) | 0.967 | 66.7(66.7-100.0) | 75.0(54.2-100.0) | 0.967 |