



Supplemental Figure 1

Variation in mean value of A) NECR_{global} and B) IQ_{global} for different BMI groups [15-20(kg/m²), 20.1-25 (kg/m²), 25.1-30 (kg/m²), 30.1-35 (kg/m²)] within each activity group.

| | 18F-FDG(μ Ci/kg) | | | Uptake Time (minutes) | | | BMI (kg/m ²) | | | IQ _{global} Score | | | NECR _{global} (kcps) | | |
|----------------|-----------------------|-------|-------|-----------------------|------|------|--------------------------|------|------|----------------------------|-----|-----|-------------------------------|------|-------|
| | Mean | Min | Max | Mean | Min | Max | Mean | Min | Max | Mean | Min | Max | Mean | Min | Max |
| Group a (n=18) | 53.0 | 42.5 | 61.7 | 70.0 | 49.0 | 75.0 | 25.6 | 16.7 | 34.6 | 3.5 | 3.0 | 4.0 | 47.2 | 32.2 | 54.4 |
| Group b (n=30) | 102.4 | 91.7 | 109.0 | 58.9 | 50.0 | 70.0 | 27.9 | 15.6 | 35.3 | 3.1 | 3.0 | 4.0 | 79.6 | 53.8 | 96.1 |
| Group c (n=32) | 150.6 | 141.0 | 168.0 | 61.2 | 50.0 | 70.0 | 23.0 | 15.5 | 29.8 | 3.8 | 3.0 | 4.0 | 103.7 | 70.9 | 130.0 |
| Group d (n=29) | 199.4 | 191.0 | 210.0 | 59.2 | 50.0 | 70.0 | 19.6 | 20.4 | 26.0 | 4.1 | 3.0 | 5.0 | 120.0 | 75.5 | 146.0 |

Supplemental Table 1: Mean 18F-FDG injected activity, Uptake time, BMI, IQ_{global} Score and NECR_{global} corresponding to each activity group

(Min.: Minimum; Max.: Maximum, FDG: Fluorodeoxyglucose, kg/m²:kilogram/square meter, BMI: Body Mass Index, IQ: Image Quality, NECR: Noise Equivalent count rate)