

Supplementary Table 1: Significant correlations of the new score with available parameters in a subgroup of the lifestyle intervention cohort at T0.

| Parameter | Number of Pairs | Spearman r | 95% confidence interval | P value |
|--------------------------------------|-----------------|------------|-------------------------|---------|
| Sex | 38 | 0.4207 | 0.1069 to 0.6582 | 0.0085 |
| Phase angle | 38 | 0.3645 | 0.04086 to 0.6189 | 0.0245 |
| Basal metabolic rate | 38 | 0.4503 | 0.1429 to 0.6785 | 0.0046 |
| ECM/BCM-Index | 38 | -0.3657 | -0.6198 to -0.04226 | 0.024 |
| Body fat % | 38 | -0.3899 | -0.6369 to -0.07040 | 0.0155 |
| R (bioelectrical impedance analysis) | 38 | -0.4175 | -0.6560 to -0.1031 | 0.0091 |
| AST | 36 | 0.372 | 0.03931 to 0.6304 | 0.0255 |
| HDL | 38 | -0.4433 | -0.6737 to -0.1343 | 0.0053 |
| Hb | 38 | 0.3849 | 0.06458 to 0.6334 | 0.017 |
| Ht % | 38 | 0.3855 | 0.06527 to 0.6338 | 0.0168 |
| Waist circumference | 38 | 0.4037 | 0.08665 to 0.6465 | 0.012 |
| Waist/Hip ratio | 38 | 0.4607 | 0.1558 to 0.6855 | 0.0036 |
| Fatty liver index | 38 | 0.473 | 0.1711 to 0.6937 | 0.0027 |