**Supplementary Table. ANCOVA results for comparing means of semen parameters**

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| --- | --- | --- | --- |
| **Variables** | **Average differences in** | **95% CI** | ***p*** |
| **Coffee consumption**  No  <3 cups/week  ≥3 cups/week | **Total motility (%)**  Reference  1.09  1.15 | Reference  1.01, 1.17  1.00, 1.31 | 0.011  0.044\* |
| **Fried food consumption**  <1 time/week  1-2 times/week  ≥3 times/week | **Total sperm count (million)**  Reference  -1.10  -1.29 | Reference  -1.29, 1.06  -1.66, -1.00 | 0.419  0.046\* |

\*：*p*<0.05, analysis of covariance (ANCOVA) was deployed for comparing semen parameters among groups with different lifestyles. Tobacco and alcohol consumption, duration of abstinent, body mass index, sauna experience, cola/coffee consumption, and fried/baked foods consumption, were adopted as covariates.