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| --- | --- | --- |
| **Supplemental table1 The characteristics of mothers and children in 42month** | 　 |  |
|  | subject for analysis (N=141) | male(N=66) | Female(N=75) | 　 |
|  | Mean± SD /n(%) | Mean± SD /n(%) | Mean± SD /n(%) | p1) |
| **Maternal characteristic** | 　 | 　 |  |  |
| Age　(years) | 31.6± 4.8 | 32.0± 5.1 | 31.2± 4.5 |  |
| Delivery order first born | 71 (50.4) | 31 (47.0) | 40 (53.3) |  |
| Annnual income |  |  |  |  |
| > 5,000,000 | 80 (56.7) | 37 (56,1) | 43 (57.3) |  |
| < 5,000,000 | 61 (43.3) | 29 (43.9) | 32 (42.7) |  |
| Educational level　 |  |  |  |  |
| > 13 years | 48 (34.0) | 27 (40.9) | 21 (28.0) |  |
| < 13 years | 93 (66.0) | 39 (59.1) | 54 (72.0) |  |
| WAIS-R short-version score  | 21.0 ± 4.0 | 21.6 ± 4.0 | 20.4 ± 4.0 |  |
| Fish intake during pregnancy |  |  |  |  |
| Inshore fish 0~0.5times/week  | 87 (61.7) | 38 (57.6) | 49 (65.3) |  |
|  1~2 times/week | 54 (38.3) | 28 (42.4) | 26 (34.7) |  |
| Deep-sea fish 0~0.5times/week | 66 (46.8) | 30 (45.5) | 36 (48.0) |  |
| 1~2 times/week | 75 (53.2) | 36 (54.5) | 39 (52.0) |  |
| Smoking in during pregnancy  |  |  |  |  |
| never | 71 (50.4) | 30 (45.5) | 41 (54.7) |  |
| smoking/quit smoking | 70 (49.6) | 36 (54.5) | 34 (45.3) |  |
| Blood Sampling time during pregnancy | 109 (77.3) | 54 (81.8) | 55 (73.3) |  |
| **Child Characteristic** |  |  |  |  |
| Sex ( male ) | 66 (46.8) |  |  |  |
| Gestational age (weeks) | 39.1±1.1 | 38.9±1.0 | 39.2±1.3 | \* |
| Birthweight　(g) | 3130±315 | 3157±325 | 3089.8±324.8 |  |
| Birthlength　(cm) | 48.3±1.6 | 48.6±1.6 | 47.9±1.6 |  |
| ICCE | 26.7±3.5 | 26.9±3.4 | 26.6±3.6 |  |
| Duration of breastfeeding(months)　 | 14.0±7.8 | 13.6±8.0 | 14.4±7.6 |  |
| children's months age at examination | 42.7 ± 0.9 | 42.8 ± 0.8 | 42.7 ± 1.1 | 　 |
| Abbreviation: WAIS-R, the Wechsler Adult Intelligence Scale-Revised version; ICCE, Index of Child Care Environment  1) p-value were calculated by Spearman's rank correlation test, Mann-Whitney U-test.\*p<0.05 |



