|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Supplementary table 3. n=683. | | |  |  |  | |  |  |  |  |  |  |  |  |  |
| **Associations between 25(OH)D (continuous) at gestational week 28 and neonatal anthropometric measures.** | | | | | | | | | | | | |  |  |  |
| Generalized linear regression analysis with birth weight, length, head circumference, abdominal circumference, sum of skin | | | | | | | | | | | | | | | |
| folds and ponderal index (at gestation age > 37 weeks) as dependent variable. | | | | | | | | | |  |  |  |  |  |  |
| **Outcome** | |  | **Univariate analysis** |  |  | |  | **Multiple analysis, model 1** | | | | **Multiple analysis, model 2** | | | |
|  | Independent variable | | B | 95% CI | | |  | B | 95% CI | |  | B | 95% CI | |  |
|  |  | n |  | Lower | | Upper |  |  | Lower | Upper |  |  | Lower | Upper |  |
| **Birth Weighta** | |  |  |  | |  |  |  | | | |  | | | |
|  | 25(OH)D at GW 28 | 683 | **1.6** | **0.28** | | **2.8** | **\*\*** | 1.1 | -0.10 | 2.3 |  | -0.11 | -1.3 | 1.1 |  |
| **Crown-heel lengthb** | |  |  |  | |  |  |  | | | |  | | | |
|  | 25(OH)D at GW 28 | 630 | 0.002 | -0.003 | | 0.008 |  | 0.000 | -0.005 | 0.005 |  | -0.002 | -0.008 | 0.003 |  |
| **Head circumferencec** | |  |  |  | |  |  |  | | | |  | | | |
|  | 25(OH)D at GW 28 | 657 | **0.01** | **0.001** | | **0.008** | **\*\*** | 0.003 | 0.000 | 0.007 |  | 0.001 | -0.002 | 0.005 |  |
| **Abdominal circumferenced** | |  |  |  | |  |  |  | | | |  | | | |
|  | 25(OH)D at GW 28 | 506 | **0.007** | **0.000** | | **0.014** | **\*\*** | 0.004 | -0.002 | 0.011 |  | -0.003 | -0.010 | 0.003 |  |
| **Sum of skin foldse** | |  |  |  | |  |  |  | | | |  | | | |
|  | 25(OH)D at GW 28 | 507 | 0.004 | -0.008 | | 0.015 |  | 0.000 | -0.012 | 0.012 |  | -0.006 | -0.018 | 0.006 |  |
| **Mid upper arm circumferencef** | | |  |  | |  |  |  |  |  |  |  |  |  |  |
|  | 25(OH)D at GW 28 | 505 | 0.001 | -0.002 | | 0.004 |  | 0.000 | -0.003 | 0.003 |  | -0.001 | -0.004 | 0.002 |  |
| **Ponderal Indexg** | |  |  |  | |  |  |  | | | |  | | | |
|  | 25(OH)D at GW 28 | 630 | **0.01** | **0.003** | | **0.02** | **\*\*** | **0.009** | **0.002** | **0.017** | **\*\*** | 0.002 | -0.005 | 0.010 |  |
| *Adjusted Model 1; multiple regression, additional adjustment for neonate gender, gestational age, season, maternal age, parity, educational* | | | | | | | | | | | | | | |  |
| *Level and pre-pregnancy BMI.* | | | |  |  | |  |  |  |  |  |  |  |  |  |
| *Adjusted Model 2; as model 1, with additional adjustment for geographic origin.* | | | | | | | | | |  |  |  |  |  |  |
| 25(OH)D: 25-hydroxyvitamin D, GW: gestational week | | | | | | |  |  |  |  |  |  |  |  |  |
| In Model 3: an=672, AIC = 10063, bn=619, AIC = 2521, cn=647, AIC = 2082, dn=499, AIC = 2129, en=500, AIC = 2745, fn=498, AIC = 1364, | | | | | | | | | | | | | | | |
| gn=619, AIC = 2893 | |  |  |  |  | |  |  |  |  |  |  |  |  |  |
| AIC: Akaike's Information Criterion | | | |  |  | |  |  |  |  |  |  |  |  |  |
| *\*\*p<0.01* | |  |  |  |  | |  |  |  |  |  |  |  |  |  |