Supplemental Table 1. Regression analyses of maternal CRP and minerals status

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Summary** | | | | | | | | | | | | | | | | | | | | | | |
| Model | R | | R Square | | | Adjusted R Square | | Std. Error of the Estimate | | | Change Statistics | | | | | | | | | | | |
| R Square Change | | | F Change | | | | df1 | df2 | | Sig. F Change | |
| 1 | 0.915a | | 0.838 | | | 0.750 | | 20.80444 | | | 0.838 | | | 9.481 | | | | 6 | 11 | | 0.001 | |
| a. Predictors: (Constant), Ca, Se , Fe, Mg, Zn, Cu | | | | | | | | | | | | | | | | | | | | | | |
| **ANOVAa** | | | | | | | | | | | | | | | | | | | |
| Model | | | | | Sum of Squares | | | | df | | Mean Square | | F | | | | Sig. | | |
|  | | Regression | | | 24622.716 | | | | 6 | | 4103.786 | | 9.481 | | | | 0.001 | | |
| Residual | | | 4761.070 | | | | 11 | | 432.825 | |  | | | |  | | |
| Total | | | 29383.786 | | | | 17 | |  | |  | | | |  | | |
| a. Dependent Variable: CRP minerals | | | | | | | | | | | | | | | | | | | |
| b. Predictors: (Constant), Ca, Se , Fe, Mg, Zn, Cu | | | | | | | | | | | | | | | | | | | |
| **Coefficientsa** | | | | | | | | | | | | | | | | | | | | | | |
| Model | | | | Unstandardized Coefficients | | | | | | Standardized Coefficients | | t | | | Sig. | 95% Confidence Interval for B | | | | | | |
| B | | | Std. Error | | | Beta | | Lower Bound | | | | | | Upper Bound |
|  | | (Constant) | | 4.893 | | | 20.583 | | |  | | 0.238 | | | 0.816 | -40.411 | | | | | | 50.196 |
| Se | | -0.141 | | | 0.249 | | | -0.090 | | -0.564 | | | 0.584 | -0.690 | | | | | | 0.408 |
| Zn | | 4.937 | | | 1.338 | | | 2.728 | | 3.691 | | | 0.004 | 1.993 | | | | | | 7.881 |
| Cu | | -23.750 | | | 6.872 | | | -6.868 | | -3.456 | | | 0.005 | -38.874 | | | | | | -8.626 |
| Fe | | 8.531 | | | 2.487 | | | 5.536 | | 3.431 | | | 0.006 | 3.058 | | | | | | 14.004 |
| Mg | | 4.477 | | | 0.832 | | | 0.864 | | 5.383 | | | 0.000 | 2.646 | | | | | | 6.308 |
| Ca | | -0.166 | | | 0.292 | | | -0.143 | | -0.569 | | | 0.581 | -0.809 | | | | | | 0.476 |
| a. Dependent Variable: CRP minerals | | | | | | | | | | | | | | | | | | | | | | |

Supplemental Table 2. Mothers’ characteristics

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Case group n=30 | | Control group n=30 | |  |
|  | Mean or n (%) | SD | Mean or n (%) | SD | P value |
| **Biochemical parameters** |  |  |  |  |  |
| **Kidney function** |  |  |  |  |  |
| Urea (mmol/L) | 4.1 | 1.7 | 3.4 | 1.2 | 0.24 |
| Creatinine (µmol/L) | 55 | 14 | 52 | 13 | 0.4735 |
| Uric acid (µmol/L) | 325 | 70 | 275 | 64 | 0.0077 |
| **Liver function** |  |  |  |  |  |
| Bilirubin indirect (µmol/L) | 6.9 | 3.1 | 6.9 | 2.4 | 0.1959 |
| Bilirubin direct (µmol/L) | 1.3 | 0.6 | 1.4 | 0.4 | 0.3732 |
| AST (U/L) | 34 | 52 | 25 | 9 | 0.6042 |
| ALT (U/L) | 27 | 47 | 17 | 7 | 0.9268 |
| Gamma GT (U/L) | 14 | 14 | 9 | 6 | 0.1794 |
| Creat.kin. (U/L) | 71 | 35 | 101 | 148 | 0.7429 |
| Alkaline phosphatase | 153 | 38 | 163 | 66 | 0.9846 |
| Amylase (U/L) | 60 | 42 | 64 | 24 | 0.0689 |
| **Lipid profile** |  |  |  |  |  |
| HDL (mmol/L) | 1.75 | 0.35 | 2.00 | 0.41 | 0.0135 |
| LDL (mmol/L) | 4.0 | 1.2 | 4.2 | 1.2 | 0.5441 |
| LDH (U/L) | 434 | 164 | 363 | 155 | 0.0206 |
| Triglycerides (mmol/L) | 3.97 | 2.18 | 2.98 | 1.16 | 0.0271 |
| **Electrolytes** |  |  |  |  |  |
| Na (mmol/L) | 135 | 2 | 136 | 3 | 0.2732 |
| K (mmol/L) | 4.1 | 0.3 | 4.0 | 0.5 | 0.2529 |
| Cl (mmol/L) | 102 | 2 | 103 | 5 | 0.2573 |
| **Additional analyses** |  |  |  |  |  |
| Protein total (g/L) | 57 | 7 | 63 | 7 | < 0.0001 |
| APT (sec) | 27 | 2 | 26 | 2 | 0.1528 |
| Fibrinogen (g/L) | 6.1 | 0.9 | 5.4 | 0.6 | 0.0373 |
| AT (%) | 90 | 18 |  |  |  |
| D-dimer (mg/L) | 3.5 | 1.7 |  |  |  |
|  | | | | | |