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| **Table S8. Results of an ANOVA comparing the mean concentration levels of TSH, total T3 and free T4 among lowest, middle, highest BPS groups.** |
| 　 | BPS (ug/L) |
|  | Mean | SD | Mean | SD | Mean | SD | F | p-value |
| Total | low (N=286) | middle (N=160) | high (N=49) | 　 | 　 |
| TSH (µIU/mL) | 2.57 | 1.48 | 2.58 | 1.22 | 2.51 | 1.15 | 0.05 | 0.954 |
| Total T3 (ng/dL) | 147.61 | 18.26 | 148.48 | 18.95 | 148.26 | 22.53 | 0.11 | 0.892 |
| FreeT4 (ng/dL) | 1.16 | 0.1 | 1.15 | 0.11 | 1.17 | 0.11 | 0.75 | 0.471 |
| Boys | low (N=147) | middle (N=79) | high (N=31) | 　 | 　 |
| TSH (µIU/mL) | 2.44 | 1.13 | 2.49 | 1.31 | 2.50  | 1.27 | 0.05 | 0.953 |
| Total T3 (ng/dL) | 147.01 | 19.36 | 148.89 | 19.12 | 145.57 | 23.77 | 0.37 | 0.691 |
| FreeT4 (ng/dL) | 1.16 | 0.11 | 1.16 | 0.10  | 1.18 | 0.11 | 0.49 | 0.612 |
| Girls | low (N=139) | middle (N=81) | high (N=18) | 　 | 　 |
| TSH (µIU/mL) | 2.69 | 1.77 | 2.67 | 1.13 | 2.53 | 0.94 | 0.09 | 0.914 |
| Total T3 (ng/dL) | 148.23 | 17.1 | 148.09 | 18.9 | 152.76 | 20.13 | 0.54 | 0.582 |
| FreeT4 (ng/dL) | 1.16 | 0.1 | 1.14 | 0.11 | 1.14 | 0.12 | 0.62 | 0.540 |
| #Statistically significant (p<0.10). |  |  |  |  |  |