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| Supplementary Table 3. Associations between A Specific Diagnostic Group and the Set of Neuroendocrine Biomarkers in Total and Gender Separated Sample |
| 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| 　 | 　 | SUD | 　 | Schizophrenia | 　 | Mania | 　 | Bipolar Depression | 　 | Unipolar Depression | 　 | Neurotic Disorders | 　 | Personality Disorders |
| 　 | 　 | *β* | Odds Ratio | 　 | *β* | Odds Ratio | 　 | *β* | Odds Ratio | 　 | *β* | Odds Ratio | 　 | *β* | Odds Ratio | 　 | *β* | Odds Ratio | 　 | *β* | Odds Ratio |
| 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| Total (N = 534) | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| FT4 | 　 | -0.051 | 0.950 | 　 |  0.031 |  1.032 | 　 |  0.065 |  1.068 | 　 | -0.020 | 0.980 | 　 | -0.006 |  0.994 | 　 | -0.048 |  0.953 | 　 | 0.003 |  1.003 |
| TSH | 　 | -0.269 | 0.764\* | 　 | -0.16 | 0.852 | 　 |  0.104 | 1.110 | 　 |  0.142 |  1.153 | 　 | -0.031 |  0.969 | 　 | -0.065 |  0.937 | 　 |  0.158 |  1.171 |
| Nagelkerke R2 | 　 |  0.019 | 　 |  0.012 | 　 | 0.009 | 　 |  0.006 | 　 | 0.00 | 　 |  0.004 | 　 | 0.008 |
| Model Coefficients | 　 | *p* = **0**.**049** | 　 | *p* = 0.137 | 　 | *p* = 0.435 | 　 | *p* = 0.649 | 　 | *p* = 0.937 | 　 | *p* = 0.578 | 　 | *p* = 0.472 |
| 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| Male (n = 253) | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| FT4 | 　 | -0.060 |  0.942 | 　 | .041 |  1.042 | 　 |  0.044 |  1.087 | 　 | -0.138 | 0.871 | 　 | -0.016 |  1.106 | 　 | -0.047 | 0.954 | 　 |  0.007 |  1.007 |
| TSH | 　 | -0.085 |  0.919 | 　 | -.153 |  .858 | 　 |  0.096 |  1.126 | 　 |  0.105 | 1.111 | 　 | 0.101 |  0.985 | 　 | -0.147 | 0.863 | 　 | -0.089 |  0.915 |
| Nagelkerke R2 | 　 |  0.01 | 　 |  0.014 | 　 | 0.005 | 　 |  0.028 | 　 |  0.006 | 　 |  0.007 | 　 | 0.002 |
| Model Coefficients | 　 | *p* = 0.448 | 　 | *p* = 0.355 | 　 | *p* = 0.764 | 　 | *p* = 0.424 | 　 | *p* = 0.647 | 　 | *p* = 0.726 | 　 | *p* = 0.938 |
| 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| Female (n = 281) | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| FT4 | 　 | -0.085 |  0.919 | 　 |  0.021 |  1.021 | 　 | 0.083 |  1.087 | 　 | 0.075 |  1.078 | 　 | 0.003 |  1.006 | 　 | -.032 |  .969 | 　 |  .031 |  1.031 |
| TSH | 　 | -0.706 | 0.493\*\* | 　 | -0.172 |  0.842 | 　 | 0.119 |  1.126 | 　 |  0.218 | 1.244 | 　 | -0.178 |  0.864 | 　 | -.016 |  .984 | 　 |  .312 |  1.366 |
| Nagelkerke R2 | 　 | 0.075 | 　 | 0.012 | 　 | 0.011 | 　 | 0.013 | 　 | 0.008 | 　 | 0.002 | 　 | 0.029 |
| Model Coefficients | 　 | *p* = **0.005** | 　 | *p* = 0.374 | 　 | *p* = 0.577 | 　 | *p* = 0.613 | 　 | *p* = 0.45 | 　 | *p* = 0.871 | 　 | *p* = 0.182 |
| SUD: Substance Use Disorder, FT4: Free Thyroxin, TSH: Thyroid-stimulating Hormone\*: *p* < 0.05, \*\*: *p* < 0.01The Binominal Logistic Regression was used to estimate the association. |  |