**Supplementary Table 1.** Fit indices of multi-group analysis models examining the differences in the effects of mindfulness-based stress reduction (MBSR) and hormone replacement therapy (HRT) across different among women with RRSO

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Groups** | **Invariance levels** | **χ2** | **df** | ***p*** | **Δχ2** | **Δdf** | ***p*(Δχ2)** | **CFI** | **ΔCFI** | **TLI** | **ΔTLI** | **RMSEA** | **ΔRMSEA** |
| Type of mutation | Configural  Metric  Scalar  Strict | 27.930  33.806  48.004  50.637 | 20  29  35  38 | .111  .246  .070  .082 | 5.875  14.199  2.633 | 9  6  3 | 0.752  0.027  0.452 | .951  .970  .920  .922 | -0.019  0.050  -0.002 | .897  .957  .904  .914 | 0.040  0.053  -0.010 | .049  .032  .047  .045 | 0.017  -0.015  0.002 |
| Breast cancer history | Configural  Metric  Scalar  Strict | 29.170  47.536  69.126  73.657 | 32  42  49  52 | .610  .257  .031  .026 | 18.366  21.589  4.531 | 10  7  3 | 0.049  0.003  0.210 | 1.000  .972  .897  .889 | 0.002  0.005  0.031 | 1.025  .962  .882  .880 | 0.063  0.000  0.026 | .000  .026  .046  .046 | -0.026  -0.020  0.000 |
| Menopausal status | Configural  Metric  Scalar  Strict | 30.581  37.482  52.963  56.165 | 32  42  49  52 | .538  .669  .324  .322 | 44.727  67.076  332.818 | 16  21  27 | 0.001  0.001  0.001 | 1.000  1.000  .976  .975 | 0.000  0.024  0.001 | 1.015  1.036  .973  .973 | -0.021  0.063  0.000 | .000  .000  .022  .022 | 0.000  -0.022  0.000 |
| Body mass index | Configural  Metric  Scalar  Strict | 28.101  39.939  45.125  46.141 | 32  42  49  52 | .664  .562  .631  .703 | 11.837  5.186  1.016 | 10  7  3 | 0.296  0.637  0.797 | 1.000  1.000  1.000  1.000 | 0.000  0.000  0.000 | 1.000  1.000  1.000  1.000 | 0.000  0.000  0.000 | 0.000  0.000  0.000  0.000 | 0.000  0.000  0.000 |
| Physical activity | Configural  Metric  Scalar  Strict | 29.873  34.655  44.088  48.314 | 32  42  49  52 | .575  .782  .672  .620 | 4.782  9.433  4.226 | 10  7  3 | 0.905  0.223  0.238 | 1.000  1.000  1.000  1.000 | 0.000  0.000  0.000 | 1.020  1.054  1.031  1.022 | 0.034  0.023  0.011 | .000  .000  .000  .000 | 0.000  0.000  0.000 |
| Smoking | Configural  Metric  Scalar  Strict | 34.851  47.667  52.251  57.082 | 32  42  49  52 | .334  .253  .349  .292 | 12.816  4.584  4.831 | 10  7  3 | 0.234  0.711  0.185 | .986  .972  .984  .975 | 0.014  -0.012  0.009 | .975  .963  .982  .973 | 0.012  -0.021  0.011 | .021  .026  .018  .022 | -0.005  0.008  0.004 |