**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 | ConfiguralMetric ScalarStrict | 27.93033.80648.00450.637 | 20293538 | .111.246.070.082 | 5.87514.1992.633 | 963 | 0.7520.0270.452 | .951.970.920.922 | -0.0190.050-0.002 | .897.957.904.914 | 0.0400.053-0.010 | .049.032.047.045 | 0.017-0.0150.002 |
| Breast cancer history | ConfiguralMetric ScalarStrict | 29.17047.53669.12673.657 | 32424952 | .610.257.031.026 | 18.36621.5894.531 | 1073 | 0.0490.0030.210 | 1.000.972.897.889 | 0.0020.0050.031 | 1.025.962.882.880 | 0.0630.0000.026 | .000.026.046.046 | -0.026-0.0200.000 |
| Menopausal status | ConfiguralMetric ScalarStrict | 30.58137.48252.96356.165 | 32424952 | .538.669.324.322 | 44.72767.076332.818 | 162127 | 0.0010.0010.001 | 1.0001.000.976.975 | 0.0000.0240.001 | 1.0151.036.973.973 | -0.0210.0630.000 | .000.000.022.022 | 0.000-0.0220.000 |
| Body mass index | ConfiguralMetric ScalarStrict | 28.10139.93945.12546.141 | 32424952 | .664.562.631.703 | 11.8375.1861.016 | 1073 | 0.2960.6370.797 | 1.0001.0001.0001.000 | 0.0000.0000.000 | 1.0001.0001.0001.000 | 0.0000.0000.000 | 0.0000.0000.0000.000 | 0.0000.0000.000 |
| Physical activity | ConfiguralMetric ScalarStrict | 29.87334.65544.08848.314 | 32424952 | .575.782.672.620 | 4.7829.4334.226 | 1073 | 0.9050.2230.238 | 1.0001.0001.0001.000 | 0.0000.0000.000 | 1.0201.0541.0311.022 | 0.0340.0230.011 | .000.000.000.000 | 0.0000.0000.000 |
| Smoking | ConfiguralMetric ScalarStrict | 34.85147.66752.25157.082 | 32424952 | .334.253.349.292 | 12.8164.5844.831 | 1073 | 0.2340.7110.185 | .986.972.984.975 | 0.014-0.0120.009 | .975.963.982.973 | 0.012-0.0210.011 | .021.026.018.022 | -0.0050.0080.004 |