Supplementary Materials

1. **Supplementary Tables**

|  |  |
| --- | --- |
| **Supplementary Table 1.** Model fit indices of the four structural models for specific PTSD symptom cluster in patients with PTSD (*N*=114). |  |
| **Model** | ***χ2*** | ***df*** | ***p*** | ***χ2*** | **IFI** | **GFI** | **AGFI** | **TLI** | **CFI** | **RMSEA** | **SRMR** |
|
| Model A | 169.674 | 128 | .008 | 1.326 | .957 | .872 | .811 | .939 | .955 | .054 | .049 |
| Model B | 168.256 | 128 | .010 | 1.314 | .958 | .871 | .809 | .942 | .956 | .053 | .048 |
| Model C | 137.552 | 111 | .044 | 1.239 | .972 | .888 | .827 | .959 | .970 | .046 | .047 |
| Model D | 173.855 | 146 | .058 | 1.191 | .971 | .874 | .819 | .961 | .970 | .041 | .052 |

*Note.* Model A included intrusion cluster as a mediator; Model B included avoidance cluster as a mediator; Model C included altered cognitions and mood cluster as a mediator; Model D included altered arousal and reactivity cluster as a mediator.

**Supplementary Table 2.** Standardized total, direct, indirect effects, and specific indirect effects of four structural models for specific PTSD symptom cluster(*N*=114)

**① Effects of Model A (Intrusion cluster as a mediator)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Path** | **Total****Effect** | ***p*** | **Direct****Effect** | ***p*** | **Indirect****Effect** | ***p*** |
| Childhood PA 🡪 Suicide | .218  | .033  | .126  | .231  | .092  | .080  |
| Childhood PA 🡪 Intrusion | .203  | .059  | .203  | .059  |  |  |
| Intrusion 🡪 Depression | .420  | .006  | .420  | .006  |  |  |
| Depression 🡪 Suicide | .189  | .174  | .189  | .174  |  |  |
| Intrusion 🡪 Suicide | .420  | .002  | .340  | .013  | .079  | .180  |
| Childhood PA 🡪 Depression | .120  | .316  | .035  | .741  | .085  | .065  |
|  |  |  |  |  |  |  |
| **Specific indirect effect** |  **Effect** | ***p*** | **Boot LLCI** | **Boot ULCI** |
| Childhood PA | 🡪 Intrusion 🡪Depression | 🡪 Suicide | .005  | .211  | -.002  | .020  |
| Childhood PA | 🡪 Intrusion | 🡪 Suicide | .020  | .072  | -.001  | .053  |
| Childhood PA | 🡪 Depression | 🡪 Suicide | .002  | .083  | -.016  | .023  |
| Childhood PA | 🡪 Intrusion | 🡪 Depression | .027  | .064  | -.001  | .069  |

*Note.* Controlled for sex, age, years of education, and type of trauma as covariates

*Abbreviation.* PA: Physical Abuse; LLCI, ULCI: lower and upper limits within the 95% confidence interval of the mediation effect

**② Effects of Model B (Avoidance cluster as a mediator)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Path** | **Total****Effect** | ***p*** | **Direct****Effect** | ***p*** | **Indirect****Effect** | ***p*** |
| Childhood PA 🡪 Suicide | .221  | .030  | .176  | .096  | .044  | .326  |
| Childhood PA 🡪 Avoidance | .087  | .422  | .087  | .422  |  | .000  |
| Avoidance 🡪 Depression | .548  | .002  | .548  | .002  |  | .000  |
| Depression 🡪 Suicide | .211  | .197  | .211  | .197  |  | .000  |
| Avoidance 🡪 Suicide | .335  | .003  | .220  | .119  | .116  | .197  |
| Childhood PA 🡪 Depression | .120  | .306  | .072  | .499  | .048  | .422  |
|  |  |  |  |  |  |  |
| **Specific indirect effect** |  **Effect** | ***p*** | **Boot LLCI** | **Boot ULCI** |
| Childhood PA | 🡪Avoidance 🡪 Depression | 🡪 Suicide | .003  | .526  | -.006  | .019  |
| Childhood PA | 🡪 Avoidance  | 🡪 Suicide | .005  | .609  | -.012  | .029  |
| Childhood PA | 🡪 Depression | 🡪 Suicide | .006  | .488  | -.010  | .029  |
| Childhood PA | 🡪 Avoidance | 🡪 Depression | .015  | .422  | -.023  | .059  |

*Note.* Controlled for sex, age, years of education, and type of trauma as covariates

*Abbreviation.* PA: Physical Abuse; LLCI, ULCI: lower and upper limits within the 95% confidence interval of the mediation effect

**③ Effects of Model C (Negative cognition and mood cluster as a mediator)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Path** | **Total****Effect** | ***p*** | **Direct****Effect** | ***p*** | **Indirect****Effect** | ***p*** |
| Childhood PA 🡪 Suicide | .220 | .029 | .101 | .432 | .119 | .082 |
| Childhood PA 🡪 Negative c&m  | .353 | .003 | .353 | .004 |  |  |
| Negative c&m 🡪 Depression | .571 | .002 | .571 | .002 |  |  |
| Depression 🡪 Suicide | .210 | .172 | .210 | .251 |  |  |
| Negative c&m 🡪 Suicide | .386 | .018 | .266 | .136 | .120 | .172 |
| Childhood PA 🡪 Depression | .122 | .261 | -.079 | .496 | .201 | .003 |
|  |  |  |  |  |  |  |
| **Specific indirect effect** |  **Effect** | ***p*** | **Boot LLCI** | **Boot ULCI** |
| Childhood PA | 🡪 Negative c&m🡪Depression | 🡪 Suicide | .012 | .127 | -.004 | .051 |
| Childhood PA | 🡪 Negative c&m | 🡪 Suicide | .028 | .084 | -.007 | .086 |
| Childhood PA | 🡪 Depression | 🡪 Suicide | -.005 | .406 | -.042 | .011 |
| Childhood PA | 🡪 Negative c&m | 🡪 Depression | **.063** | **.001** | **-.024** | **.139** |

*Note.* Controlled for sex, age, years of education, and type of trauma as covariates

*Abbreviation.* PA: Physical Abuse; Negative c&m: Negative cognition and mood; LLCI, ULCI: lower and upper limits within the 95% confidence interval of the mediation effect

**④ Effects of Model D (Hyperarousal cluster as a mediator)**

*Note.* Controlled for sex, age, years of education, and type of trauma as covariates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Path** | **Total****Effect** | ***p*** | **Direct****Effect** | ***p*** | **Indirect****Effect** | ***p*** |
| Childhood PA 🡪 Suicide | .220 | .040 | .061 | .616 | .160 | .036 |
| Childhood PA 🡪 Hyperarousal | .338 | .002 | .338 | .002 |  |  |
| Hyperarousal 🡪 Depression | .617 | .002 | .617 | .002 |  |  |
| Depression 🡪 Suicide | .143 | .408 | .143 | .408 |  |  |
| Hyperarousal 🡪 Suicide | .508 | .002 | .420 | .038 | .088 | .409 |
| Childhood PA 🡪 Depression | .123 | .318 | -.085 | .529 | .209 | .003 |
|  |  |  |  |  |  |  |
| **Specific indirect effect** |  **Effect** | ***p*** | **Boot LLCI** | **Boot ULCI** |
| Childhood PA | 🡪Hyperarousal 🡪Depression | 🡪 Suicide | .009 | .407 | -.023 | .034 |
| Childhood PA | 🡪 Hyperarousal | 🡪 Suicide | **.042** | **.041** | **.002** | **.113** |
| Childhood PA | 🡪 Depression | 🡪 Suicide | -.004 | .753 | -.029 | .118 |
| Childhood PA | 🡪 Hyperarousal  | 🡪 Depression | **.068** | **.003** | **.019** | **.144** |

*Abbreviation.* PA: Physical Abuse; LLCI, ULCI: lower and upper limits within the 95% confidence interval of the mediation effect