**Supplementary Tables**

**Table S1.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in all patients (*n*=779)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.136\*\*\* | -0.073 | -0.075 | -0.042 | -0.199\*\*\* | -0.070 |
| Awareness | -0.004 | 0.082 | -0.010 | -0.015 | -0.056 | -0.016 |
| Sensation | -0.041 | 0.023 | -0.005 | -0.045 | -0.079 | -0.051 |
| Clarity | -0.121\* | -0.019 | -0.068 | -0.054 | -0.168\*\*\* | -0.125 |
|  | Understanding | -0.118\* | -0.039 | -0.041 | -0.050 | -0.183\*\*\* | -0.102 |
|  | Acceptance | -0.146\*\* | -0.114 | -0.108 | -0.037 | -0.175\*\*\* | -0.053 |
|  | Resilience | -0.131\*\* | -0.116 | -0.061 | -0.029 | -0.190\*\*\* | -0.031 |
|  | Self-Support | -0.126 | -0.094 | -0.068 | -0.032 | -0.178\*\*\* | -0.047 |
|  | Tolerance | -0.140\* | -0.139\*\* | -0.088 | 0.009 | -0.198\*\*\* | -0.015 |
|  | Modification | -0.093 | -0.075 | -0.063 | -0.032 | -0.119 | -0.023 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S2.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in MDD group (*n*=240)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.062 | -0.042 | 0.000 | 0.128 | -0.188 | -0.006 |
| Awareness | 0.067 | 0.120 | 0.003 | 0.139 | -0.030 | 0.090 |
| Sensation | 0.029 | 0.048 | 0.067 | 0.136 | -0.074 | 0.003 |
| Clarity | -0.011 | 0.054 | 0.021 | 0.098 | -0.117 | -0.031 |
|  | Understanding | -0.026 | 0.011 | 0.074 | 0.052 | -0.141 | -0.046 |
|  | Acceptance | -0.087 | -0.115 | -0.042 | 0.129 | -0.163 | 0.002 |
|  | Resilience | -0.117 | -0.103 | -0.012 | 0.079 | -0.233\* | -0.047 |
|  | Self-Support | -0.130 | -0.117 | -0.050 | -0.002 | -0.204 | -0.032 |
|  | Tolerance | -0.089 | -0.101 | -0.014 | 0.128 | -0.193 | -0.017 |
|  | Modification | -0.042 | -0.075 | -0.060 | 0.122 | -0.091 | 0.064 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S3.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in BDI group (*n*=121)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.232\* | -0.144 | -0.168 | -0.141 | -0.280 | -0.054 |
| Awareness | -0.013 | 0.073 | 0.030 | -0.062 | -0.102 | 0.027 |
| Sensation | -0.051 | 0.084 | -0.040 | -0.132 | -0.105 | 0.006 |
| Clarity | -0.226 | -0.098 | -0.136 | -0.135 | -0.298 | -0.105 |
|  | Understanding | -0.309\*\* | -0.197 | -0.238 | -0.185 | -0.333\* | -0.115 |
|  | Acceptance | -0.264 | -0.220 | -0.199 | -0.148 | -0.258 | -0.089 |
|  | Resilience | -0.174 | -0.193 | -0.141 | -0.093 | -0.183 | 0.040 |
|  | Self-Support | -0.163 | -0.057 | -0.091 | -0.064 | -0.266 | -0.049 |
|  | Tolerance | -0.337\* | -0.335\*\* | -0.280 | -0.123 | -0.322\*\* | -0.075 |
|  | Modification | -0.095 | -0.049 | -0.076 | -0.064 | -0.121 | -0.008 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S4.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in BDII group (*n*=418)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.133\* | -0.043 | -0.086 | -0.108 | -0.156 | -0.102 |
| Awareness | -0.027 | 0.081 | -0.024 | -0.078 | -0.042 | -0.078 |
| Sensation | -0.070 | 0.005 | -0.037 | -0.108 | -0.067 | -0.091 |
| Clarity | -0.132 | -0.012 | -0.090 | -0.105 | -0.136 | -0.170 |
|  | Understanding | -0.090 | 0.007 | -0.041 | -0.062 | -0.133 | -0.110 |
|  | Acceptance | -0.143 | -0.065 | -0.123 | -0.130 | -0.139 | -0.078 |
|  | Resilience | -0.117 | -0.088 | -0.065 | -0.067 | -0.152 | -0.034 |
|  | Self-Support | -0.104 | -0.074 | -0.064 | -0.050 | -0.126 | -0.050 |
|  | Tolerance | -0.098 | -0.083 | -0.073 | -0.031 | -0.138 | 0.010 |
|  | Modification | -0.105 | -0.060 | -0.061 | -0.098 | -0.108 | -0.068 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S5.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in all male patients (*n*=220)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.141 | -0.116 | -0.021 | 0.056 | -0.237 | -0.100 |
| Awareness | -0.040 | 0.002 | 0.058 | 0.080 | -0.143 | -0.067 |
| Sensation | -0.006 | -0.015 | 0.118 | 0.069 | -0.099 | -0.034 |
| Clarity | -0.187 | -0.126 | -0.086 | 0.047 | -0.263\* | -0.171 |
|  | Understanding | -0.144 | -0.115 | -0.035 | 0.094 | -0.218 | -0.147 |
|  | Acceptance | -0.103 | -0.078 | -0.069 | -0.030 | -0.127 | -0.052 |
|  | Resilience | -0.120 | -0.121 | -0.004 | 0.012 | -0.185 | -0.084 |
|  | Self-Support | -0.086 | -0.066 | -0.021 | 0.075 | -0.184 | -0.009 |
|  | Tolerance | -0.161 | -0.173 | -0.079 | -0.021 | -0.211 | -0.040 |
|  | Modification | -0.104 | -0.080 | -0.010 | 0.070 | -0.187 | -0.086 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S6.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in all female patients (*n*=559)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.141\*\* | -0.064 | -0.100 | -0.066 | -0.193\*\* | -0.058 |
| Awareness | 0.002 | 0.103 | -0.034 | -0.037 | -0.033 | -0.003 |
| Sensation | -0.057 | 0.034 | -0.047 | -0.071 | -0.079 | -0.058 |
| Clarity | -0.102 | 0.013 | -0.066 | -0.076 | -0.141 | -0.109 |
|  | Understanding | -0.116 | -0.020 | -0.049 | -0.082 | -0.176\*\* | -0.087 |
|  | Acceptance | -0.173\*\* | -0.137 | -0.132 | -0.045 | -0.207\*\* | -0.054 |
|  | Resilience | -0.136 | -0.117 | -0.085 | -0.038 | -0.192\*\* | -0.006 |
|  | Self-Support | -0.146 | -0.109 | -0.089 | -0.057 | -0.182\*\* | -0.057 |
|  | Tolerance | -0.134 | -0.129 | -0.095 | 0.017 | -0.197\*\* | -0.002 |
|  | Modification | -0.090 | -0.076 | -0.084 | -0.053 | -0.093 | 0.002 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S7.** Total and subscale scores of the Childhood Trauma Questionnaire (CTQ) and Emotion Regulation Skills Questionnaire (ERSQ)in patient groups(Age≤31)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | All  Patients  (*n*=394) | | Major Depressive Disorder  (*n*=91) | | Bipolar Disorder I  (*n*=65) | | Bipolar Disorder II  (*n*=238) |  | *F*1 | | *p* | Bonferroni  post hoc2 |
|  |
| **Childhood Trauma Questionnaire (CTQ)** | | | | | | | | | | | | | | |
| Total score |  |  | 50.81±17.44 | | 51.54±19.04 | | 44.23±14.83 | | 52.34±17.11 |  | 5.755 | < 0.01 | | BP I < MDD\*,  BP I < BP II\*\* |
| Subscales |  |  |  | |  | |  | |  |  |  |  | |  |
| Emotional Abuse |  |  | 11.68±5.31 | | 11.73±5.82 | | 9.49±4.47 | | 12.25±5.19 |  | 7.108 | < 0.001 | | BP I < MDD\*,  BP I < BP II\*\*\* |
| Physical Abuse |  |  | 10.34±5.16 | | 10.38±5.87 | | 9.14±3.97 | | 10.66±5.12 |  | 2.228 | 0.109 | | N.S. |
| Sexual Abuse |  |  | 5.96±2.29 | | 5.78±2.03 | | 6.15±2.43 | | 5.98±2.35 |  | 0.523 | 0.593 | | N.S. |
| Neglect Emotional |  |  | 14.51±6.02 | | 15.05±5.97 | | 11.92±5.76 | | 15.01±5.95 |  | 7.431 | < 0.001 | | BP I < MDD\*\*,  BP I < BP II\*\* |
| Neglect Physical |  |  | 8.32±3.58 | | 8.59±3.82 | | 7.52±2.95 | | 8.44±3.62 |  | 2.017 | 0.134 | | N.S. |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | | | | | | | | | | | | | | |
| Total score |  |  | 46.89±19.67 | | 46.11±19.05 | | 55.71±22.75 | | 44.77±18.39 |  | 8.276 | < 0.001 | | BP II < BP I\*\* |
| Subscales |  |  |  |  | |  | |  | |  |  | |  |  |
| Awareness |  |  | 6.43±2.59 | | 6.12±2.63 | | 6.89±2.43 | | 6.43±2.61 |  | 1.686 | 0.187 | | N.S. |
| Sensation |  |  | 6.08±3.07 | | 5.60±3.20 | | 6.62±3.06 | | 6.12±3.01 |  | 2.108 | 0.123 | | N.S. |
| Clarity |  |  | 6.62±3.23 | | 6.49±3.27 | | 7.51±3.23 | | 6.42±3.18 |  | 2.992 | 0.051 | | N.S. |
| Understanding |  |  | 5.75±3.13 | | 5.76±2.89 | | 6.91±3.33 | | 5.42±3.10 |  | 5.879 | < 0.01 | | BP II < BP I\* |
| Acceptance |  |  | 4.58±3.01 | | 4.46±2.89 | | 6.06±3.42 | | 4.21±2.83 |  | 10.13 | < 0.001 | | MDD < BP I\*,  BP II < BP I\*\* |
| Resilience |  |  | 4.26±2.96 | | 4.48±2.95 | | 5.34±3.12 | | 3.88±2.84 |  | 6.753 | < 0.01 | | BP II < BP I\*\* |
| Self-support |  |  | 5.13±3.16 | | 5.13±3.30 | | 6.06±3.42 | | 4.87±3.00 |  | 3.67 | < 0.05 | | N.S. |
| Tolerance |  |  | 3.14±2.90 | | 3.15±2.92 | | 4.57±3.39 | | 2.74±2.61 |  | 10.69 | < 0.001 | | BP II < BP I\*\* |
| Modification |  |  | 4.90±2.66 | | 4.90±2.62 | | 5.75±2.84 | | 4.67±2.60 |  | 4.276 | < 0.05 | | N.S. |

Values are presented as mean and standard deviation.

1 ANOVA was used between all patient groups.

2 ANOVA with pairwise test after Bonferroni post-hoc was used between all patient groups.

1, 2 Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales (*p* = 0.05 × 5 for CTQ, *p* = 0.05× 9 for ERSQ).

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001, N.S. = not significant

**Table S8.** Total and subscale scores of the Childhood Trauma Questionnaire (CTQ) and Emotion Regulation Skills Questionnaire (ERSQ)in patient groups(Age>31)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | All  Patients  (*n*=385) | | Major Depressive Disorder  (*n*=149) | | Bipolar Disorder I  (*n*=56) | | Bipolar Disorder II  (*n*=180) |  | *F*1 | | *p* | Bonferroni  post hoc2 |
|  |
| **Childhood Trauma Questionnaire (CTQ)** | | | | | | | | | | | | | | |
| Total score |  |  | 46.65±16.29 | | 44.15±15.35 | | 46.91±18.15 | | 48.64±16.26 |  | 3.138 | <0.05 | | MDD < BP II\* |
| Subscales |  |  |  | |  | |  | |  |  |  |  | |  |
| Emotional Abuse |  |  | 9.51±4.75 | | 8.83±4.63 | | 9.45±4.62 | | 10.11±4.83 |  | 3.000 | 0.051 | | N.S. |
| Physical Abuse |  |  | 8.90±4.82 | | 8.31±4.58 | | 9.23±5.33 | | 9.29±4.83 |  | 1.864 | 0.156 | | N.S. |
| Sexual Abuse |  |  | 6.39±3.02 | | 5.91±2.49 | | 7.12±3.49 | | 6.55±3.21 |  | 3.824 | < 0.05 | | N.S. |
| Neglect Emotional |  |  | 13.44±5.90 | | 12.93±5.96 | | 12.84±6.34 | | 14.04±5.68 |  | 1.808 | 0.165 | | N.S. |
| Neglect Physical |  |  | 8.41±3.56 | | 8.18±3.49 | | 8.27±3.79 | | 8.65±3.54 |  | 0.762 | 0.467 | | N.S. |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | | | | | | | | | | | | | | |
| Total score |  |  | 50.48±20.58 | | 50.48±20.00 | | 54.41±21.62 | | 49.26±20.69 |  | 1.339 | 0.263 | | N.S. |
| Subscales |  |  |  |  | |  | |  | |  |  | |  |  |
| Awareness |  |  | 5.90±2.55 | | 5.81±2.48 | | 6.07±2.47 | | 5.93±2.65 |  | 0.242 | 0.785 | | N.S. |
| Sensation |  |  | 6.29±3.05 | | 6.48±3.09 | | 5.89±3.13 | | 6.24±3.00 |  | 0.791 | 0.454 | | N.S. |
| Clarity |  |  | 6.54±3.06 | | 6.62±2.92 | | 7.09±3.09 | | 6.29±3.15 |  | 1.547 | 0.214 | | N.S. |
| Understanding |  |  | 6.23±2.96 | | 6.34±2.96 | | 6.73±2.76 | | 5.98±3.01 |  | 1.557 | 0.212 | | N.S. |
| Acceptance |  |  | 5.15±2.76 | | 4.80±2.84 | | 6.14±2.89 | | 5.13±2.58 |  | 4.943 | <0.01 | | MDD < BP I\* |
| Resilience |  |  | 5.11±3.00 | | 5.13±2.95 | | 5.50±3.09 | | 4.97±3.02 |  | 0.678 | 0.508 | | N.S. |
| Self-support |  |  | 5.56±3.22 | | 5.65±3.22 | | 6.16±3.04 | | 5.30±3.25 |  | 1.63 | 0.197 | | N.S. |
| Tolerance |  |  | 4.25±3.04 | | 4.20±2.94 | | 5.02±3.35 | | 4.05±3.00 |  | 2.209 | 0.111 | | N.S. |
| Modification |  |  | 5.46±2.50 | | 5.46±2.41 | | 5.80±2.44 | | 5.37±2.60 |  | 0.65 | 0.522 | | N.S. |

Values are presented as mean and standard deviation.

1 ANOVA was used between all patient groups.

2 ANOVA with pairwise test after Bonferroni post-hoc was used between all patient groups.

1, 2 Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales (*p* = 0.05 × 5 for CTQ, *p* = 0.05× 9 for ERSQ).

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001, N.S. = not significant

**Table S9.** The main effect and interactive effects of Childhood Trauma Questionnaire (CTQ) and group on Emotion Regulation Skills Questionnaire (ERSQ)in patient groups (Age>31)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Unstandardized coefficients | | Standardized coefficients | | | *t* | | *p* |
| Model |  | *β* | S.E. |
| CTQ Total score |  | -0.03 | 0.10 | | -0.03 | -0.30 | | 0.77 | |
| **Group** 1 |  |  |  | |  |  | |  | |
| MDD |  | (reference) |  | |  |  | |  | |
| BD I |  | 30.98 | 8.43 | | 0.48 | 3.26 | | <0.001 | |
| BD II |  | 8.93 | 6.55 | | 0.07 | 0.61 | | 0.54 | |  |
| **Covariate** |  |  |  | |  |  | |  | |
| Age |  | 0.40 | 0.23 | | 0.02 | 1.73 | | 0.08 | |
| Sex |  | -0.78 | 2.04 | | -0.04 | -0.38 | | 0.70 | |
| Education |  | 2.83 | 2.12 | | 0.14 | 1.33 | | 0.18 | |
| Employment |  | 0.65 | 2.06 | | 0.03 | 0.31 | | 0.75 | |
| Marital Status |  | 0.32 | 2.93 | | 0.02 | 0.11 | | 0.91 | |
| Smoking status |  | -1.83 | 2.09 | | -0.09 | -0.88 | | 0.38 | |
| Alcohol use status |  | 1.82 | 1.88 | | 0.09 | 0.97 | | 0.33 | |
| Psychiatric family history |  | -1.05 | 1.93 | | -0.05 | -0.54 | | 0.59 | |
| **Interaction (CTQ total × Group)** 1 |  |  |  |  | | |  | |  |
| CTQ total × MDD |  | (reference) |  |  | | |  | |  |
| CTQ total × BD I |  | -0.46 | 0.17 | | -0.39 | -2.77 | | | <0.05 |
| CTQ total × BD II |  | -0.16 | 0.12 | | -0.14 | -1.33 | | | 0.18 |

Childhood Trauma Questionnaire (CTQ) scores and interaction term were used as independent variable, and Emotion Regulation Skills Questionnaire (ERSQ) scores were used as dependent variable.

1MDD group was used as reference group.

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S10.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in all patients (Age≤31, *n*=394)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.195\*\*\* | -0.152 | -0.143 | 0.026 | -0.249\*\*\* | -0.115 |
| Awareness | -0.055 | 0.004 | -0.047 | 0.032 | -0.097 | -0.064 |
| Sensation | -0.067 | -0.022 | -0.046 | -0.019 | -0.096 | -0.052 |
| Clarity | -0.158\* | -0.082 | -0.117 | -0.021 | -0.187\*\*\* | -0.152 |
|  | Understanding | -0.145 | -0.092 | -0.093 | 0.017 | -0.201\*\*\* | -0.109 |
|  | Acceptance | -0.197\*\*\* | -0.17 | -0.167 | 0.005 | -0.221\*\*\* | -0.098 |
|  | Resilience | -0.154 | -0.173 | -0.098 | 0.033 | -0.188\*\*\* | -0.059 |
|  | Self-Support | -0.157 | -0.13 | -0.098 | 0.031 | -0.223\*\*\* | -0.077 |
|  | Tolerance | -0.178\*\*\* | -0.19\*\*\* | -0.141 | 0.085 | -0.237\*\*\* | -0.039 |
|  | Modification | -0.167 | -0.145 | -0.138 | 0.016 | -0.182\*\*\* | -0.101 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Table S11.** Pearson correlation coefficient between Childhood Trauma Questionnaire (CTQ) scores and Emotion Regulation Skills Questionnaire (ERSQ) in all patients (Age>31, *n*=385)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Childhood Trauma Questionnaire (CTQ)** | | | | | |
| Total score | Emotional abuse | Physical abuse | Sexual abuse | Emotional neglect | Physical neglect |
| **Emotion Regulation Skills Questionnaire (ERSQ)** | Total score | -0.092 | 0.001 | -0.022 | -0.092 | -0.167 | -0.035 |
| Awareness | 0.052 | 0.172 | 0.038 | -0.048 | -0.023 | 0.033 |
| Sensation | -0.024 | 0.071 | 0.032 | -0.069 | -0.079 | -0.058 |
| Clarity | -0.094 | 0.047 | -0.027 | -0.085 | -0.164 | -0.106 |
|  | Understanding | -0.102 | 0.017 | 0.002 | -0.108 | -0.177\*\*\* | -0.104 |
|  | Acceptance | -0.107 | -0.058 | -0.067 | -0.073 | -0.144 | -0.016 |
|  | Resilience | -0.117 | -0.063 | -0.032 | -0.074 | -0.199\*\*\* | -0.009 |
|  | Self-Support | -0.109 | -0.066 | -0.058 | -0.076 | -0.144 | -0.023 |
|  | Tolerance | -0.119 | -0.098 | -0.054 | -0.043 | -0.177\*\*\* | -0.007 |
|  | Modification | -0.003 | 0.011 | 0.023 | -0.069 | -0.042 | 0.069 |

Age, sex, education, employment, marital status, psychiatric first-degree family history, alcohol use status and smoking status were adjusted.

Adjusted p-values with Bonferroni’s correction were calculated multiplying raw p-values by total number of multiple testing of subscales.

\**p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001

**Supplementary Figure**

**Figure S1.** Multiple linear regression for the association between CTQ and ERSQ by mood disorders (Age>31)

**A graph showing different types of lines

Description automatically generated with medium confidence**

Interactive effects of CTQ (Childhood Trauma Questionnaire) score and mood disorders on ERSQ (Emotion Regulation Skills Questionnaire) are shown in the figure. X-axis denotes level of CTQ score and Y-axis denotes level of ERSQ score. Regression lines (shaded area = 95% CI) are shown in solid for the Major depressive disorder (MDD) group, dotted for Bipolar II disorder (BDII), two dash for Bipolar I disorder (BDI) group.