**S3 Table. Spearman’s rho correlation coefficients (*r* (*p*)) calculated between psychopathological symptoms (SCL-90-R), childhood trauma (CTQ) and empathy (IRI).**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   |  | **CTQ Total score** | **CTQ****Emotional abuse** | **CTQ Physical abuse** | **CTQ Sexual abuse** | **CTQ****Emotional neglect** | **CTQ****Physical neglect** | **IRI Perspec-tive** **taking**  | **IRI Fantasy** | **IRI Empathic** **concern** | **IRI Personal distress** |
| **SCL-90-R** |  |
|  | Somatization | **0.428**\* **(<0.001)** | **0.387**\* **(<0.001)** | **0.322****(0.003)** | **0.308 (0.004)** | **0.375****(<0.001)** | **0.449****(<0.001)** | **-0.212****(0.050)** | 0.020 (0.854) | 0.124 (0.255) | **0.430**\* **(<0.001)** |
|  | Obsessive-compulsiveness | **0.589\* (<0.001)** | **0.595**\* **(<0.001)** | **0.529**\* **(<0.001)** | **0.420**\* **(<0.001)** | **0.524**\* **(<0.001)** | **0.504**\* **(<0.001)** | **-0.304****(0.004)** | -0.040 (0.715) | 0.017 (0.875) | **0.694**\* **(<0.001)** |
|  | Social insecurity | **0.569**\* **(<0.001)** | **0.598**\* **(<0.001)** | **0.381**\***(<0.001)** | **0.406**\* **(<0.001)** | **0.538**\* **(<0.001)** | **0.465**\* **(<0.001)** | **-0.368**\***(<0.001)** | -0.056 (0.609) | -0.013 (0.907) | **0.682**\* **(<0.001)** |
|  | Depression | **0.633**\* **(<0.001)** | **0.625**\* **(<0.001)** | **0.466****(0.001)** | **0.421****(0.001)** | **0.606**\* **(<0.001)** | **0.572**\* **(<0.001)** | **-0.420**\***(<0.001)** | -0.044 (0.689) | -0.013 (0.906) | **0.711**\* **(<0.001)** |
|  | Anxiety | **0.572**\* **(<0.001)** | **0.591**\* **(<0.001)** | **0.484**\* **(<0.001)** | **0.476 (0.001)** | **0.508**\* **(<0.001)** | **0.494**\* **(<0.001)** | **-0.337****(0.002)** | -0.029 (0.793) | 0.019 (0.862) | **0.608**\* **(<0.001)** |
|  | Aggression | **0.530**\* **(<0.001)** | **0.547**\* **(<0.001)** | **0.471 (0.001)** | **0.479\* (<0.001)** | **0.443**\* **(<0.001)** | **0.4430**\* **(<0.001)** | **-0.363****(0.001)** | -0.014 (0.895) | -0.023 (0.836) | **0.689**\* **(<0.001)** |
|  | Phobic anxiety | **0.430**\* **(<0.001)** | **0.403**\* **(<0.001)** | **0.345****(0.001)** | **0.340 (0.001)** | **0.397**\* **(<0.001)** | **0.367**\* **(0.001)** | **-0.303****(0.005)** | 0.018 (0.871 | 0.075 (0.493) | **0.539**\* **(<0.001)** |
|  | Paranoid thinking | **0.475**\* **(<0.001)** | **0.452**\* **(<0.001)** | **0.345\* (0.001)** | **0.361 (0.001)** | **0.398**\* **(<0.001)** | **0.373**\* **(<0.001)** | **-0.250****(0.020)** | 0.035 (0.748) | 0.013 (0.906) | **0.542**\* **(<0.001)** |
|  | Psychoticism | **0.545**\* **(<0.001)** | **0.556**\* **(<0.001)** | **0.439 (0.001)** | **0.441**\* **(<0.001)** | **0.512**\* **(<0.001)** | **0.469**\* **(<0.001)** | **-0.215****(0.047)** | 0.012 (0.915) | 0.023 (0.830) | **0.525**\* **(<0.001)** |
|  | GSI | **0.537**\* **(<0.001)** | **0.554**\* **(<0.001)** | **0.413**\* **(<0.001)** | **0.373**\* **(0.002)** | **0.516**\* **(<0.001)** | **0.450**\* **(<0.001)** | **-0.366**\***(0.001)** | -0.089 (0.416) | 0.036 (0.744) | **0.641**\* **(<0.001)** |
|  | PST | **0.575**\* **(<0.001)** | **0.573**\* **(<0.001)** | **0.467 (0.001)** | **0.391 (0.003)** | **0.535**\* **(<0.001)** | **0.489**\* **(<0.001)** | **-0.245****(0.023)** | -0.060 (0.582) | 0.022 (0.837) | **0.565**\* **(<0.001)** |
|   | PSDI | **0.526**\* **(<0.001)** | **0.497**\* **(<0.001)** | **0.339****(0.001)** | **0.361 (0.001)** | **0.493**\* **(<0.001)** | **0.439**\* **(<0.001)** | **-0.407**\***(<0.001)** | -0.034 (0.758) | 0.042 (0.703) | **0.617**\* **(<0.001)** |

Bonferroni correction for SCL scales and CTQ: 0.05/ 72 = 0.00042\*; and IRI: 0.05/ 48 = 0.0010\*; Therefore, only correlations with *p* < 0.001 were considered as significant.