Supplementary tables

Table S1. Exploratory analysis on lateralization effects

|  |  |  |
| --- | --- | --- |
|  | **NESDA** | **SMART** |
|  | **Hippocampal volume (mm3)** | **Hippocampal volume (mm3)** |
|  | **Total** | **Left** | **Right** | **Total** | **Left** | **Right** |
|  | **B (95% CI)** | **B (95% CI)** | **B (95% CI)** | **B (95% CI)** | **B (95% CI)** | **B (95% CI)** |
| Current MDD (1 yr) | -118.6(-212.5;23.6) | -41.7(-141.3;57.8) | -52.1(-144.3;40.0) | -165.8(-361.7;30.0) | -49.4(-158.1;59.3) | -109.9 (-233.2;13.4) |
| History of CM | -82.5(-257.3;91.5) | -52.4(-148.6;43.7) | -10.2 (-99.6;79.3) | -48.0 (-175.8;79.7) | -19.8(-85.6;46.1) | -22.3 (-96.2;51.6) |
| Current MDD\*CM | -352.7(-716.2;-10.7) | -252.2(-447.7;-56.6) | -87.9(-271.3;95.4) | -214.4(689.8;261.0) | -155.4(-394.7;83.9) | -27.8 (-299.4;243.9) |

CM= childhood maltreatment; MDD = Major Depressive Disorder

All analyses are adjusted for: Adjusted for age, gender, highest attained educational level, intracranial volume, body-mass index, blood pressure, diabetes mellitus, alcohol use, smoking habits and antidepressant use (and in SMART additionally for white matter lesions and cognitive functioning).

Table S2. Exploratory analysis on clinical characteristics of MDD

|  |  |  |
| --- | --- | --- |
|  | **NESDA** | **SMART** |
|  | **B (95% CI)** | **B (95% CI)** |
| **Acuteness of MDD** | Hippocampal volume (mm3) | Hippocampal volume (mm3) |
| Never MDDRemitted MDDCurrent MDD (1yr) | Ref-222.7 (-532.0;86.5)-197.8 (-417.2;21.6) | Ref-103.5 (-229.2;22.2)-202.5 (-422.1;17.2) |
| Never MDD\*CMRemitted MDD\*CMCurrent MDD\*CM | Ref498.3 (-121.1;1117.8)-228.3 (-658.4;201.8) | Ref207.7 (-249.9;78.4)-119.8 (-600.7;361.2) |
| **Age of onset** |  |  |
| Never MDDEarly-onset MDDaLate-onset MDDa | Ref-212.6 (-433.1;7.8)-200.9 (-615.7;213.9) | Ref-68.8 (-201.1;63.4)-76.3 (-209.9;57.3) |
| Never MDD\*CMEarly-onset MDD\*CMLate-onset MDD\*CM | Ref-67.6 (-293.1;157.8)-78.3 (-822.7;666.1) | Ref237.4 (-56.4;531.1)55.1 (-291.5;401.6) |
| **Three-way interaction MDD\*CM\*gender** |  |  |
| MDD\*CM\*genderb | -201.1 (-413.1; 10.9) | 598.0 (-554.1; 1750.0) |

CM= childhood maltreatment; MDD = Major Depressive Disorder
All analyses are adjusted for: Adjusted for age, gender, highest attained educational level, intracranial volume, body-mass index, blood pressure, diabetes mellitus, alcohol use, smoking habits and antidepressant use (and in SMART additionally for white matter lesions and cognitive functioning).

 a: Early-onset MDD = Age of onset before or equal;40 years; Late-onset MDD= age of onset after 40 years. b: three-way interaction model = CM, MDD, gender, CM\*gender, MDD\*gender, MDD\*CM, MDD\*CM\*gender (and additionally adjusted for all confounders).