### Supplementary Online Materials

**Table S1.**

**Figure S1**. Regional gray matter volumes negatively associated with PCL-R Total scores, controlling for brain volume (BV), age, and **regular substance use**. These regions are significant in the whole brain at *p*<.05 and 1308-voxel extent (selected using AlphaSim). Numeric values indicate the MNI z-coordinate of the slice, and the color bar represents *t*-values.

**Figure S2**. Regional gray matter **concentrations** negatively associated with PCL-R Total scores, controlling for brain volume (BV), age, and substance dependence. These regions are significant in the whole brain at *p*<.05 and 1308-voxel extent (selected using AlphaSim). Numeric values indicate the MNI z-coordinate of the slice, and the color bar represents *t*-values.

**Table S1.** Negative associations between Total PCL-R scores and gray matter volumes (GMV) and gray matter concentrations (GMC) in anatomical regions of interest (ROI) using small volume correction (SVC). Brain volume (BV), age, and regular substance use were included in the model as covariates.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Gray Matter Volumes** | | | | | **Gray Matter Concentrations** | | | | |
|  |  | **MNI Coordinates** | | |  |  | **MNI Coordinates** | | |  |  |
| **Paralimbic Region** | **H** | **x** | **y** | **z** | **t** | **FWE** | **x** | **y** | **z** | **t** | **FWE** |
| Lateral OFC | L | -34 | 32 | -22 | 3.66 | **.036** | -16 | 30 | -20 | 3.64 | **.046** |
|  | R | 34 | 56 | -12 | 3.19 | .136 | 12 | 52 | -18 | 3.54 | .064 |
| Medial OFC | --- | -4 | 54 | -22 | 3.16 | .073 | 12 | 50 | -18 | 3.56 | **.029** |
| ACC | --- | -10 | 54 | 2 | 2.53 | .410 | 8 | 40 | -2 | 3.25 | .110 |
| Insula | L | -28 | 22 | -20 | 1.69 | .799 | -36 | 6 | 4 | 2.75 | .267 |
|  | R | 32 | 24 | -20 | 1.47 | .866 | 38 | 10 | -4 | 2.36 | .488 |
| Temporal Pole | L | -36 | 8 | -44 | 3.51 | **.036** | -38 | 14 | -36 | 4.57 | **.001** |
|  | R | 34 | 20 | -40 | 3.93 | **.011** | 24 | 18 | -38 | 4.14 | **.007** |
| Parahippocampal Gyrus | L | -30 | -2 | -30 | 2.81 | .129 | -18 | -38 | -8 | 3.60 | **.018** |
|  | R | 32 | -6 | -28 | 3.32 | **.040** | 32 | -6 | -28 | 3.54 | **.025** |
| Amygdala | L | -30 | -2 | -28 | 2.55 | .068 | -30 | -2 | -28 | 3.20 | **.016** |
|  | R | 34 | -2 | -28 | 3.49 | **.006** | 34 | -2 | -28 | 3.90 | **.002** |
| Hippocampus | L | -32 | -6 | -28 | 2.90 | .099 | -32 | -4 | -28 | 3.37 | **.034** |
|  | R | 36 | -8 | -24 | 3.72 | **.010** | 36 | -6 | -24 | 4.04 | **.004** |
| PCC | --- | -4 | -54 | 32 | 3.00 | .072 | 8 | -54 | 30 | 2.25 | .366 |

Note. OFC=orbitofrontal cortex; ACC=anterior cingulate cortex; PCC=posterior cingulate cortex. H=Hemisphere. L=Left. R=Right. FWE=family wise error rate. MNI x, y, and z coordinates, *t*-values, and FWE *p*-values are for the peak voxel in each region.

**Figure S1.**

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**Figure S2.**

