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Supplementary Material

Article Title: Triple Network Model–Based Functional Dysconnectivity in Young People With Major Affective Disorders With or Without Current Suicidal Ideation

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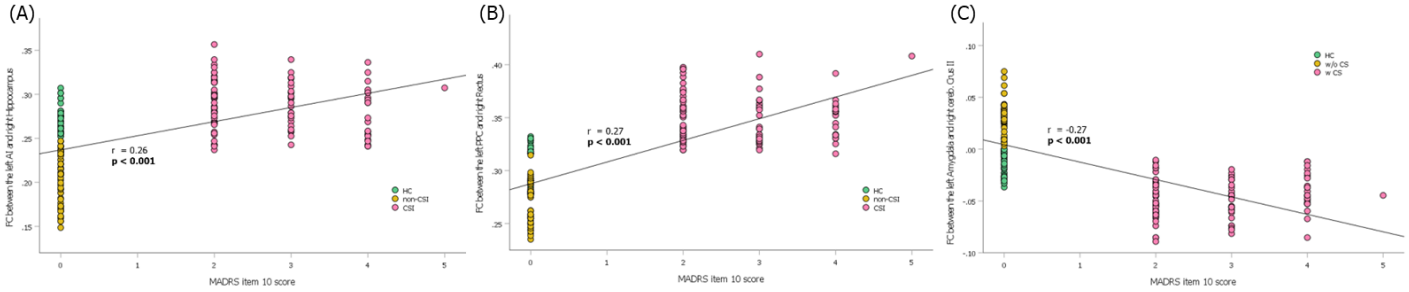
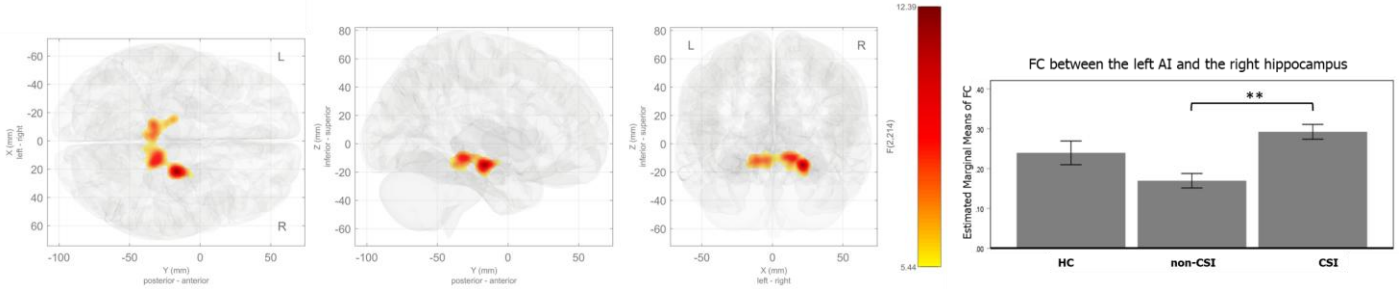
LIST OF SUPPLEMENTARY MATERIAL FOR THE ARTICLE

DISCLAIMER

Supplementary Figure 1. Associations between suicidality severity and functional connectivity. Scatterplots depict the correlations between Montgomery–Åsberg Depression Rating Scale (MADRS) item 10 scores and functional connectivity values across all participants (n = 222). (A) Left anterior insula (salience network) to right hippocampus (r = 0.26, p < 0.001). (B) Left posterior parietal cortex (frontoparietal network) to right rectus (r = 0.27, p < 0.001). (C) Left amygdala (salience network) to right cerebellum Crus II (r = –0.27, p < 0.001). HC = healthy controls; non-CSI = patients without current suicidal ideation; CSI = patients with current suicidal ideation.

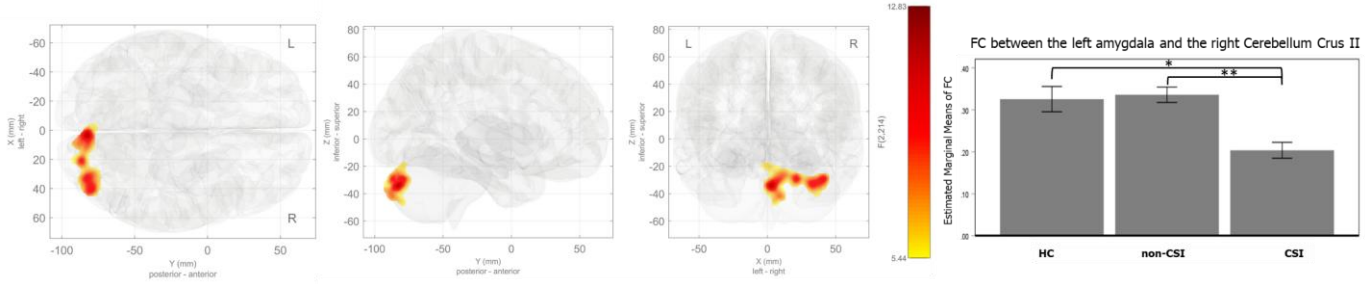


Supplementary Figure 2. Functional Connectivity Differences Seeded from the Left Anterior Insula Across Groups. Significant functional connectivity differences were observed with seed regions in the left anterior insula, controlling for sex, age, diagnosis, history of suicide attempts, and the non-suicidal depressive symptoms scores of MADRS as covariates. Results were corrected for multiple comparisons using the false discovery rate (FDR) method. The color bar represents the F-value associated with the contrast. Bar charts on the right illustrate group differences in functional connectivity between the seed region and peak voxel, as determined by post hoc analyses (Bonferroni corrected). Error bars represent standard error of the mean.



** p < 0.01
HC: healthy controls; non-CSI: patients without current suicidal ideation; CSI: patients with current suicidal ideation; AI: anterior insula; FC: functional connectivity.

Supplementary Figure 3. Functional Connectivity Differences Seeded from the Left Amygdala Across Groups. Significant functional connectivity differences were observed with seed regions in the left amygdala, controlling for sex, age, diagnosis, history of suicide attempts, and the non-suicidal depressive symptoms scores of MADRS as covariates. Results were corrected for multiple comparisons using the false discovery rate (FDR) method. The color bar represents the F-value associated with the contrast. Bar charts on the right illustrate group differences in functional connectivity between the seed region and peak voxel, as determined by post hoc analyses (Bonferroni corrected). Error bars represent standard error of the mean.



* p < .05, ** p < .01
HC: healthy controls; non-CSI: patients without current suicidal ideation; CSI: patients with current suicidal ideation; FC: functional connectivity.