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Pei-Chi Tu^{a,b,c,d}, Yi-Hsuan Kuan^e, Cheng-Ta Li^{b,e}, Tung-Ping Su^{b,d,e*}

^aDepartment of Medical Research, Taipei Veterans General Hospital, Taipei 112, Taiwan

^bDepartment of Psychiatry, Taipei Veterans General Hospital, Taipei 112, Taiwan

^cInstitute of Philosophy of Mind and Cognition, National Yang-Ming University, Taipei, Taiwan

^dDepartment of Psychiatry, Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan

^eInstitute of Brain Science, National Yang-Ming University, Taipei, Taiwan

*Corresponding author: Tung-Ping Su, Office of the Vice Superintendent, Taipei Veterans General Hospital, No. 201, Sec. 2, Shih-Pai Road, Taipei 112, Taiwan. TEL: +886 2 28757655. Fax: +886 2 28757555. tomsu0402@gmail.com

Abstract

Background

This study investigated the structural correlates of creative thinking in patients with bipolar disorder (BD) to understand the possible neural mechanism of creative thinking in BD.

Methods

We recruited 59 patients with BD I or BD II (35.3 ± 8.5 y) and 56 age- and sex-matched controls (HCs; 34 ± 7.4 y). Each participant underwent structural magnetic resonance imaging and evaluation of creative thinking, which was assessed using two validated tools: the Chinese version of the Abbreviated Torrance Test for Adults for divergent thinking and the Chinese Word Remote Associates Test for remote association. Voxel-based morphometry was performed using SPM12.

Results

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