

Author's Accepted Manuscript

The regional homogeneity of cingulate-precuneus regions: the putative biomarker for depression and anxiety

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PII: S0165-0327(17)31032-7
DOI: <https://doi.org/10.1016/j.jad.2017.12.086>
Reference: JAD9494

To appear in: *Journal of Affective Disorders*

Received date: 24 May 2017
Revised date: 2 November 2017
Accepted date: 31 December 2017

Cite this article as: Chien-Han Lai, The regional homogeneity of cingulate-precuneus regions: the putative biomarker for depression and anxiety, *Journal of Affective Disorders*, <https://doi.org/10.1016/j.jad.2017.12.086>

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Disclosure statement: The authors have nothing to disclose.

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Abstract

Objectives:

In addition to clinical interview, the modern putative biomarker to differentiate depression and anxiety would be warranted. The translational medicine characteristics of neuroimaging, such as the regional homogeneity (ReHo), is an option for depression and anxiety. Therefore we designed this study trying to identify the biomarker pattern for depression and anxiety.

Methods:

Resting-state functional magnetic resonance imaging was acquired for 53 patients with first-episode medicine-naïve major depressive disorder (MDD), 53 first-episode medicine-naïve patients with panic disorder (PD) and 54 controls. The calculation of ReHo was performed. The ANOVA repeated measures were applied for the 3 groups to

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