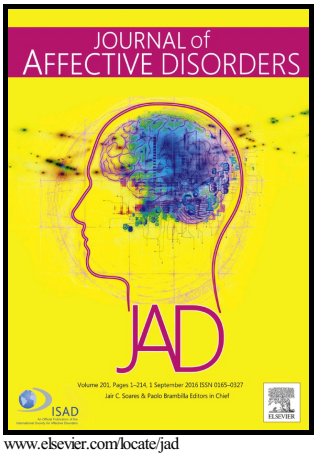

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ABSTRACT

Background

The serotonin receptor 1A and 1B (*HTR1A/1B*) gene have been suggested to be involved in the pathogenesis of major depressive disorder (MDD) and the antidepressant treatment response. Gene expression differences were partly mediated by genetic polymorphism and DNA methylation which might be affected by environmental factors. In the present study, we attempt to identify whether *HTR1A/1B* DNA methylation and genetic polymorphism could predict antidepressant treatment response.