

## The Effect of Dissociation in Bipolar Disorder: An EEG Power Analysis

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**Abstract :** Understanding the biological mechanisms of dissociation in patients with bipolar disorder is important for developing new treatment approaches for the disorder as well as using the appropriate treatment strategies. In this study, we compared EEG power and coherence values for alpha, theta and beta frequency bands between patients having bipolar disorder with dissociation as compared to the bipolar patients without dissociation. Accordingly, we did not find any statistically significant difference in either the absolute or the relative power between the groups. Coherence values were not found to be statistically different, as well. Therefore, our results demonstrated that the existence of dissociation did not influence electrophysiological correlates in bipolar disorder.

**Keywords :** bipolar disorder, dissociation, absolute power, coherence

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