

Is There an Association between Migraine and Major Depressive Disorder? A Narrative Review

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Abstract

Various studies on the association of migraine with depression are published. The comorbidity may upgrade health conditions up to a critical degree. Besides, the duration of symptoms and treatment may be prolonged. Moreover, these conditions can force substantial financial and social hardships on patients and their families. In this literature review, we intend to examine the evidence obtained on the possible associations between migraine and major depressive disorder (MDD). This review is focused on aminergic neurons. One of the variables associated with patients who experience both of these two diseases might have a history of assault. In migraine and MDD patients, genetic evidence, such as single nucleotide polymorphisms (SNP), was found to be one of the associations. Another theory concluded that actual headache diagnosed in patients who received no treatment manifests a history of anxiety, and later, the patients display severe somatic symptoms. In conclusion, there is a robust molecular genetic background, explaining the relationship between migraines and MDD. This correlated data renders a combination of both diagnoses as single separate entities. However, further studies are encouraged to point out the issue of treatment strategies. There is a robust molecular genetic background explaining the relationship between migraine and MDD. This correlated data renders a combination of both diagnoses as a single separate entity. However, further studies are encouraged to point out the issue of treatment strategies.

Biography

Dennis Adjepong, MD. MBA is a surgeon intern at Alexandria Surgery Associates in Alexandria, VA. He graduated from Poznan University of Medical Science, Poland. His thirst for research is in the field of Neurosurgery/ Neuroscience. Dennis received his Master's in Business Administration from Strayer

University, Washington DC. He is a member of the International Behavioral Neuroscience Society (IBNS) and American Association for the Advancement of Science (AAAS). He is a published author with 15+ publications. He is an Editorial Board Member for Herald Scholarly Open Access Journal of Surgery: Current Trends & Innovations in Washington DC. Lastly, he has strong background in Computer science and Computer Network Security.