Format: Abstract

Curr Drug Targets. 2017 Nov 17. doi: 10.2174/1389450118666171117131151. [Epub ahead of print]

Vortioxetine Treatment for Anxiety Disorder: A Meta-Analysis Study.

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Author information

Abstract

BACKGROUND: Vortioxetine is a multimodal antidepressant that has been developed for the treatment of major depressive and anxiety disorders. The aim of this review is to quantitatively synthesize all data of the efficacy, safety and tolerability of Vortioxetine in treating anxiety disorder.

METHOD: Terms of "Vortioxetine" OR "LuAA21004" AND "anxiety" OR "fear" OR "panic" OR "phobia" were searched. A total of two phase II and five phase III clinical trials were found.

RESULTS: Vortioxetine was overall superior to placebo in terms of the mean change from baseline in HAM-A total score at week 8 with the pool effect size of -2.95, 95% CIs, -4.37 to -1.53, p<0.01. The patients who received 5 mg of Vortioxetine had higher response rate when compared to placebo (pooled odds ratio=1.4, 95% CI = 1.08 to 1.82, p=0.01). However, the pooled odds ratio of the HAM-A remission rate was not statistically significant for both Vortioxetine and placebo (pooled odds ratio=1.06, 95% CI = 0.86 to 1.30, p=0.62). Although the discontinuation due to adverse effects was higher in Vortioxetine than placebo group (pooled OR= 1.55, 95% CI = 1.04 to 2.31, P= 0.037), the lack of efficacy (pooled OR= 0.39, 95% CI = 0.27 to 0.57, P<0.01) was higher in placebo than Vortioxetine group. Most of the adverse effects were mild and moderate. Overall, Vortioxetine displayed a good safety and tolerability profile.

CONCLUSION: This review supports the use of Vortioxetine for anxiety disorder. However, further long-term placebo-control observational study or a post market survey would help in strengthening the evidence for this treatment modality.

KEYWORDS: LuAA21004; Vortioxetine; anxiety disorder; generalised anxiety disorder; serotonin partial agonist reuptake inhibitor (SPARI)

PMID: 29149828 DOI: 10.2174/1389450118666171117131151

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