

Reduction of Anxiety-Related Symptoms Using Low-Intensity Ultrasound Neuromodulation on the Auricular Branch of the Vagus Nerve

Anxiety (BAI)

79%

78.6% Anxiety remission rate

Depression (BDI)

71%

71.4% Of participants demonstrated clinically meaningful reduction in depression.

PTSD (DSM-V)

71%

71.4% Of participants demonstrated clinically meaningful reduction in PTSD.

Ease of use

89%

89% were satisfied with the ease of use

Improved quality of life

79%

79% reported improved quality of life

The aim of this study was to do a preliminary investigation into the efficacy, safety, and usability of the wearable headset that delivers low-intensity focused ultrasound (LIFU) to the auricular branch of the vagus nerve for the purpose of alleviating anxiety disorder symptoms. 28 participants with a Beck Anxiety Inventory score of 16 points or greater completed 5 minutes of treatment daily.

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