References cited

Baek H, Pahk KJ, Kim H. A review of low-intensity focused ultrasound for neuromodulation. *Biomed Eng Lett*. 2017 Jan 9;7(2):135-142. doi: 10.1007/s13534-016-0007-y. eCollection 2017

Barbanti P, Grazzi L, Egeo G, Padovan AM, Liebler E, Bussone G. Non-invasive vagus nerve stimulation for acute treatment of high-frequency and chronic migraine: an open-label study. *J Headache Pain*. 2015;16:61.

Basner M, Dinges DF. Maximizing sensitivity of the psychomotor vigilance test (PVT) to sleep loss. *Sleep*. 2011;34(5):581–591. Published 2011 May 1. doi:10.1093/sleep/34.5.581

Bot M, Schuurman PR, Odekerken VJJ, Verhagen R, Contarino FM, De Bie RMA, van den Munckhof P. Deep brain stimulation for Parkinson disease: defining the optimal location within the subthalamic nucleus. *J Neurol Neurosurg Psychiatry*. 2018 May;89(5):493-498. doi: 10.1136/jnnp-2017-316907.

Dolhem R. [The history of electrostimulation in rehabilitation medicine] (French). Ann Readapt Med Phys. 2008 Jul;51(6):427-31. doi: 10.1016/j.annrmp.2008.04.004. Epub 2008.

Fouragnan EF, Chau BKH, Folloni D *et al*. The macaque anterior cingulate cortex translates counterfactual choice value into actual behavioral change. Nat Neurosci. 2019 May;22(5):797-808. doi: 10.1038/s41593-019-0375-6.

Göder R, Baier PC, Beith B, Baecker C, Seeck-Hirschner M, Junghanns K, Marshall L. Effects of transcranial direct current stimulation during sleep on memory performance in patients with schizophrenia. Schizophr Res. 2013 Mar;144(1-3):153-4. doi: 10.1016/j.schres.2012.12.014. Epub 2013 Jan 18.

Hameroff S, Trakas M, Duffield C, Annabi E, Gerace MB, Boyle P, Lucas A, Amos Q, Buadu A, Badal JJ. Transcranial ultrasound (TUS) effects on mental states: a pilot study. *Brain Stimul*. 2013 May;6(3):409-15. doi: 10.1016/j.brs.2012.05.002.

Kandel, E.R, Schwartz, J.H., Jessell, T.M., Siegelbaum, S.A. & Hudspeth, A.J. (Eds.) (2012). *Principles of Neural Science (5th ed).* New York: McGraw-Hill.

Lan L, Zhang X, Li X, Rong X, Peng Y. The efficacy of transcranial magnetic stimulation on migraine: a meta-analysis of randomized controlled trails. *J Headache Pain*. 2017 Aug 22;18(1):86. doi: 10.1186/s10194-017-0792-4.

Loder E. Triptan therapy in migraine. *N Engl J Med* 2010; 363: 63–70.

McIntire LK, McKinley RA, Nelson JM, Goodyear C. Transcranial direct current stimulation versus caffeine as a fatigue countermeasure. *Brain Stimul*. 2017 Nov - Dec;10(6):1070-1078. doi: 10.1016/j.brs.2017.08.005. Epub 2017 Aug 18.

Marshall, L., Molle, M., Siebner, H. R., and Born, J. Bifrontal transcranial direct current stimulation slows reaction time in a working memory task. *BMC Neurosci*. 2005; 6:23. doi: 10.1186/1471-2202-6-23.

Puledda F, Shields K. Non-Pharmacological Approaches for Migraine. *Neurotherapeutics*. 2018 Apr;15(2):336-345. doi: 10.1007/s13311-018-0623-6.

Sanguinetti J. (2018) Neuromodulation for Higher-States of Consciousness - It's Finally Here https://www.youtube.com/watch?v=vCyWHtraa0Y Accessed June 4, 2019

Schenker E. Proceedings #7: Trigeminal and Occipital Neuromodulation for Rapid Pain Reduction in Occipital Migraines. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation.* 2019; 12(2): e65–e66.

Silberstein SD, Dodick DW, Saper J, et al. Safety and efficacy of peripheral nerve stimulation of the occipital nerves for the management of chronic migraine: results from a randomized, multicenter, double-blinded, controlled study. *Cephalalgia* 2012; 32: 1165–1179.

Song P, Lin H, Li S, Wang L, Liu J, Li N, Wang Y. Repetitive transcranial magnetic stimulation (rTMS) modulates time-varying electroencephalography (EEG) network in primary insomnia patients: a TMS-EEG study.. *Sleep Med*. 2019; 56:157-163.

Tsoucalas G, Karamanou M, Lymperi M, Gennimata V, Androutsos G. The "torpedo" effect in medicine. *Int Marit Health.* 2014;65(2):65-7. doi: 10.5603/IMH.2014.0015.