

Evaluation of low level laser application in the treatment of epilepsy

Ehsan Kamani^{1*} and Dev Nitin Patel

¹Shahid Beheshti University of Medical Sciences, Iran



Abstract

Increased risk of death in people with epilepsy. This increase is about 2.5 to 2.5 times that of the normal population and is usually due to: the underlying cause of the attacks, epileptic seizures, suicide, trauma, and epileptic seizure death (SUDEP). The problem lies in the fact that due to the lack of drug use, the risk of suicide in people with epilepsy is two to six times higher than in others. The reason for this is unclear. SUDEP appears to be partly related to the frequency of generalized tonic-clonic seizures and accounts for about 1% of epilepsy deaths. The method of reducing this risk is unclear. They are of unknown origin, have the lowest risk. In the UK, it is estimated that between 1 and 5% of deaths are likely to be preventable. In developing countries, many deaths are due to untreated epilepsy leading to epileptic seizures or crises. Therefore, we believe that with the help of a low-powered laser diode, epilepsy can play a significant role in the recovery of epilepsy, from surgery and Drug use that has significant side effects.



Biography:

My goal is to promote the science of laser medicine for the health of the people of the world Ehsan Kamani was born in 1994 in Iran. I am a graduate of the field of optics and laser engineering and has credible evidence of laser application in medicine. I began researching from a student day about the use of laser in cancer-using laser in the proliferation of laser-use cells in depression- Application of hematologic laser. But, unfortunately, I am looking for an active scholarship and group to advance the goals.

Speaker Publications:

- 1-Joon Y. Kanga, Michael R. Sperlingb. Epileptologist's view: "Laser interstitial thermal ablation for treatment of temporal lobe epilepsy". *Epilepsy Research* (2017), doi.org/10.1016/j.eplesyres.2017.07.007.
- 2-Michael J. LaRiviere¹ and Robert E. Gross^{2*}. "Stereotactic Laser Ablation for Medically intractable epilepsy: The Next Generation of Minimally invasive epilepsy Surgery. *Frontiers in Surgery*". Review published: 05 December 2016 doi: 10.3389/fsurg.2016.00064.
- 3-R. Medvid, A. Ruiz, R.J. Komotar, J.R. Jagid, M.E. Ivan, R.M. Quencer, and M.B. Desai. "Current Applications of MRI-Guided Laser Interstitial Thermal Therapy in the Treatment of Brain Neoplasms and Epilepsy: A Radiologic and Neurosurgical Overview". *Medvid* Nov 2015.
- 4-Ammar H. Hawasli a S. Kathleen Bandt a R. Edward Hogan b Nicole Werner b Eric C. Leuthardt a, c, d. "Laser Ablation as Treatment Strategy for Medically Refractory Dominant Insular Epilepsy: Therapeutic and Functional Considerations". *Stereotact Funct Neurosurg* 2014;92:397-404 DOI: 10.1159/000366001.
- 5-Julio C. Rojas a,b, F. Gonzalez-Lima a,*. "Neurological and psychological applications of transcranial lasers and LEDs". *Biochemical Pharmacology* 86 (2013) 447-457.

[29th World Congress on Neurology and Therapeutics;](#) London, UK- February 24-25, 2020.

Abstract Citation:

Ehsan Kamani, Evaluation of low level laser application in the treatment of epilepsy, *Neurology* 2020, 29th World Congress on Neurology and Therapeutics London, UK- February 24-25, 2020.

<https://www.neurologyconference.com/abstract/2020/evaluation-of-low-level-laser-application-in-the-treatment-of-epilepsy>