

Clinical Evidence Supports Plan for Successful Confirmatory Pivotal Study



1. Gunawan, JR., et al., [Effect of subthreshold nanosecond laser on retinal structure and function in intermediate age-related macular degeneration](#). Clin Exp Ophthalmol. 2022 Jan;50(1):31-39
2. Guymer, RH., et al., [Subthreshold Nanosecond Laser in Age-Related Macular Degeneration: Observational Extension Study of the LEAD Clinical Trial](#). Ophthalmol Retina. 2021 Dec;5(12):1196-1203.
3. Cohn, AC., et al., [Dose Response in the Subthreshold Nanosecond Laser Trial in Early Stages of AMD: A LEAD Study Report](#). Ophthalmic Surg Lasers Imaging Retina. 2021 Jul;52(7):380-386
4. [Nanosecond Laser Treatment in Choroidretinopathy Centralis Serosa without RPE Defects: A Retrospective case Series](#). Klin Monbl Augenheilkd. 2021 Jan;238(1):60-66
5. McGuinness, MB., et al., [Association between Patient-Reported Outcomes and Time to Late Age-Related Macular Degeneration in the Laser Intervention in Early Stages of Age-Related Macular Degeneration Study](#). Ophthalmol Retina. 2020 Sep;4(9):881-888
6. Luu, CD., et al., [Multi-focal electro-retinogram responses following sub-threshold nano-second laser intervention in age-related macular degeneration](#). Clin Exp Ophthalmol. 2020 Sep;48(7):938-945
7. Kaymak, H., et al., [Efficacy of nanosecond laser treatment in central serous chorioretinopathy with and without atrophy or retinal pigment epithelium](#). Int J Retina Vitreous. 2020 Jun 4;6:11
8. Guymer, RH., et al., [Sub-threshold Nanosecond Laser Intervention in Age-Related Macular Degeneration: The LEAD Randomised Controlled Clinical Trial](#). Ophthalmology. 2019 jun;126(6):828-838
9. Wu, Z., et al., [Secondary and Exploratory Outcomes of the Subthreshold Nanosecond Laser Intervention Randomized Trial in Age-Related Macular Degeneration: A LEAD Study Report](#). Ophthalmology Retina. 2019 Dec;3(12):1026-1034
10. Cusumano, A., et al., [Doyné honeycomb retinal dystrophy- functional improvement following subthreshold nanopulse laser treatment: a case report](#). J Med Case Rep. 2019 Jan 10;13(1):5
11. Vessey, KA., Ho, T., Jobling, Al., [Nanosecond Laser Treatment for Age-Related Macular Degeneration Does Not Induce Focal Vision Loss or New Vessel Growth in the Retina](#). Ophthalmol Vis Sci. 2018;59:731-745
12. Lek, JJ., et al., [Subthreshold Nanosecond Laser Intervention in Intermediate Age-Related Macular Degeneration Study Design and Baseline Characteristics of the Laser in Early Stages of Age -Related Macular Degeneration Study \(Report Number 1\)](#). Ophthalmology Retina. 2017 May-Jun;1(3):227-239
13. Guymer, R.H., et al., [Nanosecond-laser application in intermediate AMD: 12-month results of fundus appearance and macular function](#). Clin Experiment Ophthalmol. 2014 July;42(5):466-479
14. Pelosini, L., et al., [Retinal Rejuvenation Therapy for Diabetic Macular Edema – a pilot study](#). Retina 2013 Mar; 33(3) :548-58
15. Casson, R.J., et al., [Pilot randomized trial of a nanopulse retinal laser versus conventional photocoagulation for the treatment of diabetic macular Edema](#). Clin Experiment Ophthalmol. 2012 Aug;40(6):604-10
16. Wood, JPM., et al., [Physiological response of the retinal pigmented epithelium to 3-ns pulse laser application, in vitro and in vivo](#). Clin Exp Ophthalmol. 2021 Jul;49(5):454-469
17. Chidlow, G., et al., [Investigations into localized re-treatment of the retina with a 3-nanosecond laser](#). Lasers Surg Med. 2016 Aug;48(6):602-615
18. Jobling, A.I., et al., [Nanosecond laser therapy reverses pathologic and molecular changes in age-related macular degeneration without retinal damage](#). FASEB J, 2015. 29,696-710.
19. Wood, J.P., et al., [Retinal damage profiles and neuronal effects of laser treatment: Comparison of conventional Photocoagulator and a Novel 3-Nanosecond Pulse laser](#). Invest Ophthalmol Vis Sci. 2013;54:2305-2318
20. Chidlow, G. et al., [Glial cell and inflammatory responses to retinal laser treatment: comparison of a conventional photocoagulator and a novel, 3-nanosecond pulse laser](#). Invest Ophthalmol Vis Sci. 2013 Mar 28;54(3):2319-32
21. Zhang, JJ., et al., [Laser-mediated activation of human retinal pigment epithelial cells and concomitant release of matrix metalloproteinases](#). Invest Ophthalmol Vis Sci, 2012
22. Cohn, AC., et al., [Subthreshold Nano-Second Laser Treatment and Age-Related Macular Degeneration](#). J Clin Med. 2021 Jan 28;10(3):484
23. Chhablani, J., et al., [RESTORATIVE RETINAL LASER THERAPY: Present state and future directions](#). Surv Ophthalmol. 2018 May-Jun;63(3):307-328
24. Chehade, L., et al., [Short-pulse duration lasers: a review](#). Clin Exp Ophthalmol. 2016 Nov;44(8):714-721

24 Peer-reviewed papers