

BIBLIOGRAPHY



Iridex Laser Systems with MicroPulse® Technology for the Treatment of Glaucoma

Peer-reviewed literature
Poster and podium presentations

TABLE OF CONTENTS

GLAUCOMA: CLINICAL

Laser Trabeculoplasty using MicroPulse Technology (MLT)	
<i>Articles</i>	3
<i>Poster and Podium Presentations</i>	3
Transscleral Laser Therapy (TLT) using MicroPulse Technology	
<i>Articles</i>	4
<i>Poster and Podium Presentations</i>	7

GLAUCOMA: PRE-CLINICAL

Laser Trabeculoplasty using MicroPulse Technology (MLT)	
<i>Poster and Podium Presentations</i>	10
Transscleral Laser Therapy (TLT) using MicroPulse Technology	
<i>Articles</i>	11
<i>Poster and Podium Presentations</i>	11

GLAUCOMA: MULTI-STUDY REVIEWS & RELATED LITERATURE

<i>Articles</i>	11
<i>Poster and Podium Presentations</i>	11

This bibliography includes peer-reviewed literature, and research shared at major industry congresses, on Iridex laser systems used in their MicroPulse® treatment mode for the treatment of glaucoma. For more information, please contact Iridex at glaucoma@iridex.com, or scan the QR code.



GLAUCOMA: CLINICAL

Laser Trabeculoplasty using MicroPulse Technology (MLT)

Articles

1. Fea Antonio Maria, Bosone A, Rolle T, Brogliatti B, Grignolo FM. Micropulse diode laser trabeculoplasty (MDLT): A phase II clinical study with 12 months follow-up. *Clin Ophthalmol*, 2008;2(2):247-52.
2. Fea Antonio Maria, Dorin G. Laser treatment of glaucoma: Evolution of laser trabeculoplasty techniques. *Techniques in Ophthalmology*, 2008;6(2):45-52.
3. Samples JR, Singh K, Lin SC, Francis BA, Hodapp E, Jampel HE, Smith SD: Laser trabeculoplasty for open-angle glaucoma: A report by the American Academy of Ophthalmology. *Ophthalmology*, 2011;118(11):2296-302.
4. Lee JW, GS. Y, Yick DW, Yuen CY. MicroPulse laser trabeculoplasty for the treatment of open-angle glaucoma. *Medicine*, 2015;94(49):e2075.
5. Tsang S, Cheng J, Lee JW. Developments in laser trabeculoplasty. *Br J Ophthalmol*, 2016;100(1):94-7.
6. Abramowitz B, Chadha N, Kouchouk A, Alhabshan R, Belyea DA, Lamba T. Selective laser trabeculoplasty vs micropulse laser trabeculoplasty in open-angle glaucoma. *Clin Ophthalmol*, 2018;12:1599-1604.
7. Hirabayashi MT, Rosenlof TL, An JA. Comparison of successful outcome predictors for MicroPulse® laser trabeculoplasty and selective laser trabeculoplasty at 6 months. *Clin Ophthalmol*, 2019;13:1001-1009.
8. Hong Y, Song SJ, Liu B, Hassanpour K, Zhang C, Loewen N. Efficacy and safety of micropulse laser trabeculoplasty for primary open angle glaucoma. *Int J Ophthalmol*, 2019;12(5):784-788.
9. Makri OE, Pagoulatos D, Kagkelaris K, Plotas P, Georgakopoulos CD. Evaluation of intraocular pressure in the first 24hours after micropulse laser trabeculoplasty in eyes with pseudoexfoliation glaucoma. *J Fr Ophthalmol*, 2019;42(9):983-986.
10. Makri OE, Plotas P, Christopoulou E, Georgakopoulos CD. Effect of a single session of micropulse laser trabeculoplasty on corneal endothelial parameters. *Clin Exp Optom*, 2020;103(4):479-483.
11. Phan R, Bubel K, Fogel J, Brown A, Perry H, Morcos. Micropulse laser trabeculoplasty and reduction of intraocular pressure: A preliminary study. *Saudi J Ophthalmol* 2021;35(2):122-125.
12. Gambini G, Carlà MM, Caporossi T, De Vico U, Savastano A, Baldascino A, Rizzo C, Kilian R, Rizzo S. Spotlight on micropulse laser trabeculoplasty in open-angle glaucoma: What's on? A review of the literature. *Vision (Basel)* 2022;6(1).
13. Yang Y, Huang X, Liao S, Zhang F, Shi J, Duan X, Liu K. Micropulse laser trabeculoplasty on Chinese patients with glaucoma or ocular hypertension: Average 35 months follow-up results. *BMC Ophthalmol* 2022;22(1):249.

Poster and Podium Presentations

14. Ingvoldstad DD, Krishna R, Willoughby L. Micropulse diode laser trabeculoplasty versus argon laser trabeculoplasty in the treatment of open angle glaucoma. *Invest Ophthalmol Vis Sci*, 2005;46:ARVO E-Abstract 123.
15. Saunders TC, Corrales G, Herceg MC, Camejo L, Lathrop K, Noecker RJ. Comparison of morphologic changes after sub-visiblethreshold laser (micropulse) trabeculoplasty, selective laser trabeculoplasty and argon laser trabeculoplasty in human eye bank eyes. American Glaucoma Society, 18th Annual Meeting. 2008.
16. Melis R, Pilotto E, Vujosevic S, Dorigo MT, Midena E. Micropulse diode laser trabeculoplasty for secondary corticosteroid induced glaucoma. EVER 2008, Abstract 5356.
17. Iwach AG. Micropulse laser. Overview of micropulse diode laser trabeculoplasty: What we know and don't know. AAO 2008, Atlanta, GA. Glaucoma 2008 Subspecialty Day, Pages 17-18.
18. Coombs P, Radcliffe NM: Outcomes of micropulse laser trabeculoplasty vs. selective laser trabeculoplasty. *Invest Ophthalmol Vis Sci*, 2014;(55):E-Abstract 6155.
19. Arcieri ES, Arcieri RS: Micropulse diode laser trabeculoplasty results in treatment of primary open-angle glaucoma patients. *Invest Ophthalmol Vis Sci*, 2014;(55):E-Abstract 6165.
20. Modi KK, Walsman SM. Effect of increasing shot number in micropulse laser trabeculoplasty (MLT) for open angle glaucoma. *Invest Ophthalmol Vis Sci*, 2017;58(8):4976-4976.
21. Dios JA, Delgado M, Castro V. Micropulse laser trabeculoplasty in advanced glaucoma. World Glaucoma Conference. 2017. Helsinki.
22. Deng T, Dooner K, Noorani S, Yang A, Huet B, Li X, AlSalem MMA. MLT (micropulse laser trabeculoplasty) or not? American Glaucoma Society, 2018, New York City, NY.
23. Dionisio RG, German OL, Patrianakos T, Giovingo M. MLT vs SLT in the hispanic and african american population for treatment of open-angle glaucoma. *Invest Ophthalmol Vis Sci*, 2018;59(9):6097-6097.
24. Gapsis BC, Bickford M, Sharpe RA, Das S, Kammerdeiner L, Nutaitis MJ. Analysis of the relative efficacy of micropulse laser trabeculoplasty and selective laser trabeculoplasty. *Invest Ophthalmol Vis Sci*, 2018;59(9):6090-6090.
25. Sun CQ, Ou Y. Comparison of outcomes of micropulse laser trabeculoplasty versus selective laser trabeculoplasty. *Invest Ophthalmol Vis Sci*, 2018;59(9):6089-6089.
26. Clemente A, Toma C, Vujosevic S, Padovan C, de Cillà S. Efficacy of micropulse laser trabeculoplasty in open angle glaucoma. *Invest Ophthalmol Vis Sci*, 2019;60(9):696-696.
27. Sun CQ, Ou Y. Outcomes of micropulse laser trabeculoplasty versus selective laser trabeculoplasty. American Glaucoma Society 29th Annual Meeting. 2019. San Francisco, CA.

[RETURN TO TOC](#)

28. Thomas C, Darwish D, Giovingo M, Mannina A. Post-operative one hour intraocular pressure spikes and long term pressure efficacy in micropulse laser trabeculoplasty (MLT) vs selective laser trabeculoplasty (SLT). *Invest Ophthalmol Vis Sci*, 2019;60(9):697-697.
29. Babaguchi K, Fujishiro T, Sugimoto K, Sakata R, Saito H, Honjo M, Aihara M. Efficacy and Safety of micropulse laser trabeculoplasty with 3 months follow-up. World Glaucoma E-Congress, 2021.
30. Morcos M, Klenda J, Fortin P, Pansick A, Draper C. Impact of Micropulse Laser Trabeculoplasty: A 2-year retrospective analysis. *Invest Ophthalmol Vis Sci*. 2022;63(7):170 – A0363-170.

Transscleral Laser Therapy (TLT) using MicroPulse Technology

Articles

31. Tan A, Chockalingam M, Aquino M, Lim Z, See J, Chew P. Micropulse transscleral diode laser cyclophotocoagulation in the treatment of refractory glaucoma. *Clin Exp Ophthalmol*, 2010;38(3):266-72.
32. Aquino MC, Barton K, Tan AM, Sng C, Li X, Loon SC, Chew PT. Micropulse versus continuous wave transscleral diode cyclophotocoagulation in refractory glaucoma: A randomized exploratory study. *Clin Exp Ophthalmol*, 2015;43(1):40-6.
33. Kuchar S, Moster MR, Reamer CB, Waisbour M. Treatment outcomes of micropulse transscleral cyclophotocoagulation in advanced glaucoma. *Lasers Med Sci*, 2016;31:393-396.
34. Toyos MM, Toyos R. Clinical outcomes of micropulsed transscleral cyclophotocoagulation in moderate to severe glaucoma. *J Clin Exp Ophthalmol*, 2016;7(6):1-3.
35. Emanuel ME, Grover DS, Fellman RL, Godfrey DG, Smith O, Butler MR, Kornmann HL, Feuer WJ, Goyal S. Micropulse cyclophotocoagulation: Initial results in refractory glaucoma. *J Glaucoma*, 2017;26(8):726-729.
36. Lee JH, Shi Y, Amoozgar B, Aderman C, De Alba Campomanes A, Lin S, Han Y. Outcome of micropulse laser transscleral cyclophotocoagulation on pediatric versus adult glaucoma patients. *J Glaucoma*, 2017;26(10):936-939.
37. Williams AL, Moster MR, Rahmatnejad K, Resende AF, Horan T, Reynolds M, Yung E, Abramowitz B, Kuchar S, Waisbour M. Clinical efficacy and safety profile of micropulse transscleral cyclophotocoagulation in refractory glaucoma. *J Glaucoma*, 2018;27(5):445-449.
38. Abdelrahman AM, El Sayed YM. Micropulse versus continuous wave transscleral cyclophotocoagulation in refractory pediatric glaucoma. *J Glaucoma*, 2018;27(10):900-905.
39. Barac R, Vuzitas M, Balta F. Choroidal thickness increase after micropulse transscleral cyclophotocoagulation. *Romanian J Ophthalmol*, 2018;62(2):144-148.
40. Gavris MM, Olteanu I, Kantor E, Mateescu R, Belicioiu R. Iridex MicroPulse P3: Innovative cyclophotocoagulation. *Romanian J Ophthalmol*, 2017;61(2):107-111.
41. Aquino MC, Lim D, Chew PT. Micropulse P3™ (MP3) laser for glaucoma: An innovative therapy. *Journal of Current Glaucoma Practice*, 2018;12(2):51-52.
42. Preda MA, Popa G, Karancsi OL, Musat O, Popescu SI, Munteanu M, Popa Z. Effectiveness of subconjunctival bevacizumab associated with a laser-based procedure in the treatment of neovascular glaucoma. *FARMACIA*, 2018;66(4):621-626.
43. Sanchez FG, Lerner F, Sampaolesi J, Noecker R, Becerra N, Iribarren G, Grippo TM. Efficacy and safety of MicroPulse® transscleral cyclophotocoagulation in glaucoma. *Arch Soc Esp Oftalmol*, 2018;93(12):573-579.
44. Yelenskiy A, Gillette TB, Arosemena A, Stern AG, Garris WJ, Young CT, Hoyt M, Worley N, Zurakowski D, Ayyala RS. Patient outcomes following micropulse transscleral cyclophotocoagulation: Intermediate-term results. *J Glaucoma*, 2018;27(10):920-925.
45. Sarrafpour S, Saleh D, Ayoub S, Radcliffe NM. Micropulse transscleral cyclophotocoagulation: A look at long term effectiveness and outcomes. *Ophthalmology Glaucoma*, 2019;2167-171.
46. Al Habash A, AlAhmadi AS. Outcome of MicroPulse® transscleral photocoagulation in different types of glaucoma. *Clinical Ophthalmology* (Auckland, N.Z.), 2019;(13):2353-2360.
47. Awoyesuku EA, Fiebai F. Outcome of micropulse laser in treatment of open angle glaucoma in a peripheral hospital in rivers state, nigeria: Our initial experience. *Journal of Advances in Medicine and Medical Research*, 2019;29(2):1-7.
48. Jammal AA, Costa DC, Vasconcellos JPC, Costa VP. Prospective evaluation of micropulse transscleral diode cyclophotocoagulation in refractory glaucoma: 1 year results. *Arq Bras Oftalmol*, 2019;82(5):381-388.
49. Garcia GA, Nguyen CV, Yelenskiy A, Akiyama G, McKnight B, Chopra V, Lu K, Huang A, Tan JCH, Francis BA. Micropulse transscleral diode laser cyclophotocoagulation in refractory glaucoma: Short-term efficacy, safety, and impact of surgical history on outcomes. *Ophthalmology Glaucoma*, 2019;2(6):402-412.
50. Eliseeva MA, Khodzhaev NS, Sidorova AV, Starostina AV. Micropulse transscleral cyclophotocoagulation in the combine surgical treatment of refractory glaucoma: Preliminary results. *Modern Technologies in Ophthalmology*, 2019;4.
51. Souissi S, Baudouin C, Labbe A, Hamard P. Micropulse transscleral cyclophotocoagulation using a standard protocol in patients with refractory glaucoma naive of cyclodestruction. *Eur J Ophthalmol*, 2019;1120672119877586.
52. Subramaniam K, Price MO, Feng MT, Price FW, Jr. Micropulse transscleral cyclophotocoagulation in keratoplasty eyes. *Cornea*, 2019;38(5):542-545.
53. Varikuti VNV, Shah P, Rai O, Chaves AC, Miranda A, Lim BA, Dorairaj SK, Sieminski SF. Outcomes of micropulse transscleral cyclophotocoagulation in eyes with good central vision. *J Glaucoma*, 2019;28(10):901-905.
54. Zaarour K, Abdelmassih Y, Arej N, Cherfan G, Tomey KF, Khoueir Z. Outcomes of micropulse transscleral cyclophotocoagulation in uncontrolled glaucoma patients. *J Glaucoma*, 2019;28(3):270-275.

[RETURN TO TOC](#)

55. Aldaas KM, Brasington C, Zhang AY. A case of choroidal and vitreous hemorrhage following micropulse transscleral cyclophotocoagulation. *J Glaucoma*, 2020;29(7):e57-e59.
56. Asano S, Chang VKT, Aquino MCD, Kuan PCT. Use of micropulse trans-scleral cyclophotocoagulation for acute rise in intraocular pressure due to anterior segment inflammation. *Eur J Ophthalmol*, 2020;1120672120924341.
57. Borgohain M, Sarma P, Tayab S, Sangma CA, Buragohain S. Letter to the Editor: Outcomes of micropulse transscleral cyclophotocoagulation in eyes with good central vision. *J Glaucoma*, 2020;29(3):e16.
58. Sieminski SF, Varikuti VNV, Shah P, Rai O, Chaves A, Miranda A, Lim B-A, Dorairaj SK. Response to: Outcomes of micropulse transscleral cyclophotocoagulation in eyes with good central vision. *J Glaucoma*, 2020;29(3):e16-e17.
59. Jayshree, Kadambi SV, Lingam V, Balekudaru S. Letter to the Editor: Outcomes of micropulse transscleral cyclophotocoagulation in eyes with good central vision. *J Glaucoma*, 2020;29(6):e53.
60. Shah P, Varikuti VNV, Rai O, Chaves A, Miranda A, Lim BA, Dorairaj SK, Sieminski SF. Response to: Outcomes of micropulse transscleral cyclophotocoagulation in eyes with good central vision. *J Glaucoma*, 2020;29(6):e53-e54.
61. Chan PP, Lam MCW, Baig N. Case report – Acute corneal subepithelial hydrops (ACSH) during micropulse transscleral cyclophotocoagulation (mptsc). *BMC Ophthalmology*, 2020;20(1):409.
62. de Crom R, Slangen C, Kujovic-Alekssov S, Webers CAB, Berendschot T, Beckers HJM. Micropulse trans-scleral cyclophotocoagulation in patients with glaucoma: 1- and 2-year treatment outcomes. *J Glaucoma*, 2020;29(9):794-798.
63. Dhanireddy S, Yin HY, Dosakayala N, Kurochkin P, Gupta N, Cheng AMS, Fechtner R, Alpert S. Severe inflammation and hyphema after micropulse diode transscleral cyclophotocoagulation. *Journal of Glaucoma*, 2020;29(6):e50-e52.
64. Egorov VV, Samokhalov NV, Marchenko AN. Clinical evaluation of the results of micropulse laser cyclophotocoagulation in the treatment of refractory glaucoma on the first day after surgery. *Modern Technologies in Ophthalmology*, 2020;282-86.
65. Kaba Q, Somani S, Tam E, Yuen D. The effectiveness and safety of micropulse cyclophotocoagulation in the treatment of ocular hypertension and glaucoma. *Ophthalmol Glaucoma*, 2020;3(3):181-189.
66. Khodzhaev NS, Sidorov AV, Starostina AV, Eliseeva MA. Micropulse transscleral cyclophotocoagulation for the treatment of glaucoma. *Russian Ophthalmological Journal*, 2020;13(2):105-111.
67. Kiyama Y, Nakashima K-I, Inoue T. A case of primary open-angle glaucoma with conjunctival laceration after micropulse transscleral cyclophotocoagulation. *J Glaucoma*, 2020;29(12):e135-e137.
68. Lee JH, Vu V, Lazcano-Gomez G, Han K, Suvannachart P, Rose-Nussbaumer J, Schallhorn J, Hwang D, Han Y. Clinical outcomes of micropulse transscleral cyclophotocoagulation in patients with a history of keratoplasty. *Journal of Ophthalmology*, 2020;20206147248.
69. Logioco C, Perrone LD, Caruso D, Albertazzi R, Valvecchia G, Zanutigh V. Assessment of efficacy and safety of micropulse diode laser treatment in glaucoma: One year follow-up. *Arch Soc Esp Oftalmol*, 2020;95(7):327-333.
70. Nguyen AT, Maslin J, Noecker RJ. Early results of micropulse transscleral cyclophotocoagulation for the treatment of glaucoma. *Eur J Ophthalmol*, 2020;30(4):700-705.
71. Magacho L, Lima FE, Avila MP. Double-session micropulse transscleral laser (Cyclo G6) as a primary surgical procedure for glaucoma. *J Glaucoma*, 2020;29(3):205-210.
72. Magacho L, Lima FE, Avila MP. Double-session micropulse transscleral laser (Cyclo G6) for the treatment of glaucoma. *Lasers Med Sci*, 2020;35(7):1469-1475.
73. Patel S, Kakouri A, Chaudhary S, Knepper PA, Pfahler NM, Samples J, Giovingo M. The effect of various media and probe angles on the power output of the Cyclo G6 glaucoma laser system. *Lasers Med Sci*, 2021;36(3):605-609.
74. Prager AJ, Anchala AR. Suprachoroidal hemorrhage after micropulse cyclophotocoagulation diode therapy. *Am J Ophthalmol Case Rep*, 2020;18100659.
75. Preda MA, Karancsi OL, Munteanu M, Stanca HT. Clinical outcomes of micropulse transscleral cyclophotocoagulation in refractory glaucoma-18 months follow-up. *Lasers Med Sci*, 2020;35(7):1487-1491.
76. Radhakrishnan S, Wan J, Tran B, Thai A, Hernandez-Siman J, Chen K, Nguyen N, Pickering T-D, Tanaka HG, Lieberman M, Wong P, Iwach AG. Micropulse cyclophotocoagulation: A multicenter study of efficacy, safety, and factors associated with increased risk of complications. *J Glaucoma*, 2020;29(12):1126-1131.
77. Sanchez FG, Peirano-Bonomi JC, Brossard Barbosa N, Khoueir Z, Grippo TM. Update on micropulse transscleral cyclophotocoagulation. *J Glaucoma*, 2020;29(7):598-603.
78. Tekeli O, Kose HC. Outcomes of micropulse transscleral cyclophotocoagulation in primary open-angle glaucoma, pseudoexfoliation glaucoma, and secondary glaucoma. *Eur J Ophthalmol*, 2020;1120672120914231.
79. Vig N, Ameen S, Bloom P, Crawley L, Normando E, Porteous A, Ahmed F. Micropulse transscleral cyclophotocoagulation: Initial results using a reduced energy protocol in refractory glaucoma. *Graefes Arch Clin Exp Ophthalmol*, 2020;258(5):1073-1079.
80. Wong KYT, Aquino CM, Macasaet AM, Suwandono ME, Chew PTK, Koh VTC. MP3 plus: A modified micropulse transscleral cyclophototherapy technique for the treatment of refractory glaucoma. *J Glaucoma*, 2020;29(4):264-270.
81. Waibel, S, Herber, R, Pillunat, LE, Pillunat, KR. One-year follow-up of pars plicata versus pars plana application of transscleral micropulse cyclophotocoagulation. *Journal of Glaucoma*, 2021;30(4):340-346.
82. Laruelle G, Pourjavan S, Janssens X, Marinescu-George C, Boustani G. Real-life experience of micropulse transscleral cyclophotocoagulation (MP-TSCPC) in advanced and uncontrolled cases of several glaucoma types: A multicentric retrospective study. *Int Ophthalmol*, 2021;1-8.

[RETURN TO TOC](#)

83. Lim EJY, Aquino CM, Lun KWX, Lim DKA, Sng C, Loon SC, Chew PTK, Koh VTC. Efficacy and safety of repeated micropulse transscleral diode cyclophotocoagulation in advanced glaucoma. *J Glaucoma*, 2021;30(7):566-574.
84. Chamard C, Bachouchi A, Daien V, Villain M. Efficacy, safety, and retreatment benefit of micropulse transscleral cyclophotocoagulation in glaucoma. *J Glaucoma*, 2021;30(9):781-788.
85. Tong W, Shen TYT, Wong HC, Aquino MC, Chew P, Lim D. One-year outcomes of micropulse cyclophototherapy for primary open-angle glaucoma. *J Glaucoma*, 2021;30(10):911-920.
86. Pandey A, Sanghi S, Chaudhary S. Blue sclera as a complication of micropulse transscleral laser therapy. *J Glaucoma*, 2021;30(11):1011-1014.
87. Souissi S, Le Mer Y, Metge F, Portmann A, Baudouin C, Labbé A, Hamard P. An update on continuous-wave cyclophotocoagulation (CW-CPC) and micropulse transscleral laser treatment (MP-TLT) for adult and paediatric refractory glaucoma. *Acta Ophthalmologica*, 2021;doi: 10.1111/aos.14661(99):e621-e653.
88. Marchand M, Singh H, Agoumi Y. Micropulse trans-scleral laser therapy outcomes for uncontrolled glaucoma: A prospective 18-month study. *CJO* 2021;56(6):371-378.
89. Bernardi E, Töteberg-Harms M. Micro-Pulse transscleral laser therapy and 'topical-plus' anaesthesia: Ideal for glaucoma management during covid-19. *touchREVIEWS in Ophthalmology*, 2021;15(2):50-4.
90. Khodeiry MM, Sheheitli H, Sayed MS, Persad PJ, Feuer WJ, Lee RK. Treatment outcomes of slow coagulation transscleral cyclophotocoagulation in pseudophakic patients with medically uncontrolled glaucoma. *Am J Ophthalmol* 2021;229:90-99.
91. Bernardi E, Töteberg-Harms M. Micropulse transscleral laser therapy demonstrates similar efficacy with a superior and more favorable safety profile compared to continuous-wave transscleral cyclophotocoagulation. *J Ophthalmol*, 2022;2022:8566044.
92. Hooshmand S, Voss J, Hirabayashi M, McDaniel L, An J. Outcomes of initial and repeat micro-pulse transscleral cyclophotocoagulation in adult glaucoma patients. *Ther Adv Ophthalmol*, 2022;14:25158414211064433.
93. Chen HS, Yeh PH, Yeh CT, Su WW, Lee YS, Chuang LH, Shen SC, Wu WC. Micropulse transscleral cyclophotocoagulation in a Taiwanese population: 2-year clinical outcomes and prognostic factors. *Graefes Arch Clin Exp Ophthalmol*, 2022;260(4):1265-1273.
94. Zemba M, Dumitrescu OM, Vaida F, Dimirache EA, Pistolea I, Stamate AC, Burcea M, Branisteanu DC, Balta F, Barac IR. Micropulse vs. continuous wave transscleral cyclophotocoagulation in neovascular glaucoma. *Exp Ther Med*, 2022;23(4):278.
95. Zbiba W, Sayadi S, Kharrat M, Daoued M. Efficacy and safety of micropulse transscleral laser therapy in silicone oil-induced glaucoma. *J Glaucoma*, 2022;31(8):689-693.
96. Grippo TM, de Crom RMPC, Giovingo M, Töteberg-Harms M, Francis BA, Jenkins B, Brubaker JW, Radcliffe N, An J, Noecker R. Evidence-based consensus guidelines series for micropulse transscleral laser therapy: Dosimetry and patient selection. *Clin Ophthalmol*, 2022;16:1837-1846.
97. Grippo TM, Brossard BN, Noecker R, Campisi V, Khourie Z, Dorairaj S. Letter to the editor: One-year outcomes of micropulse cyclophototherapy for primary open-angle glaucoma. *J Glaucoma*, 2022;31(6):e41-e42.
98. Vasella B, Töteberg-Harms M. Topical anesthesia offers sufficient pain control for micropulse transscleral laser therapy for glaucoma. *Journal of Ophthalmology*, 2022;2022:6845434.
99. Daas A, Sherman T, Danieliute L, Goyal S, Amon A, Rodrigues I, Karimi A, Lim KS. Phacoemulsification combined with micropulse cyclodiode laser in glaucoma patients: Efficacy and safety. *Eye* 2022;36(11):2188-2191.
100. Al Habash A, Otaif W. Surgical outcome of combined micropulse transscleral laser therapy with phaco emulsification in patients with cataract and glaucoma. *The Open Ophthalmology Journal*, 2022;16(e187436412209301).
101. Prado-Larrea C, Alvarez-Ascencio D, Garcia-Huerta M, Jimenez-Roman J, Gonzalez-Castor C, Dominguez-Duenas F. Real-world outcomes of micropulse cyclophotocoagulation in a Latin American population and analysis of the factors associated with the success rate. *Arch Soc Esp Oftalmol (Engl Ed)* 2022.
102. de Vries VA, Pals J, Poelman HJ, Rostamzad P, Wolfs RCW, Ramdas WD. Efficacy and safety of micropulse transscleral cyclophotocoagulation. *J Clin Med* 2022;11(12).
103. Khan HM, Law G, Docherty G, Gooi P. Safety and efficacy of micropulse transscleral cyclophotocoagulation: 2-year follow-up in a tertiary Canadian centre. *Can J Ophthalmol* 2022.
104. Chansangpetch S, Taechajongjintana N, Ratanawongphaibul K, Itthipanichpong R, Manassakorn A, Tantisevi V, Rojanapongpun P, Lin SC. Ciliochoroidal effusion and its association with the outcomes of micropulse transscleral laser therapy in glaucoma patients: A pilot study. *Sci Rep* 2022;12(1):16403.
105. Tekeli O, Kose HC. Comparison of aqueous flare values after micropulse transscleral laser treatment and continuous wave transscleral cyclophotocoagulation. *Ocul Immunol Inflamm* 2022;1-9.
106. Huth A, Viestenz A. [micropulse cyclophotocoagulation lowers the intraocular pressure: Half year results]. *Ophthalmologie* 2022;119(Suppl 1):19-24.
107. Valle IT, Bazzara SP, Taboas MF, Cid SR, Diaz MDA. Medium-term outcomes of micropulse transscleral cyclophotocoagulation in refractory glaucoma. *J Curr Glaucoma Pract* 2022;16(2):91-95.
108. Akiyama T, Fujishiro T, Sugimoto K, Sakata R, Saito H, Honjo M, Aihara M. Short-term outcomes of micropulse transscleral laser therapy using the revised delivery probe in refractory glaucoma. *Jpn J Ophthalmol* 2022;66(6):549-558.
109. Balendiran V, Landreneau J, An J. Micropulse transscleral laser therapy dosimetry utilizing the revised P3 delivery device: A randomized controlled trial. *Ophthalmol Glaucoma* 2022.

[RETURN TO TOC](#)

110. Fili S, Vastardis I, Perdikakis G, Kohlhaas M. Transscleral cyclophotocoagulation with micropulse® laser versus cyclophotocoagulation with continuous diode laser in patients with open-angle glaucoma. *Int Ophthalmol* 2022;42(2):525-539.
111. Waibel W, Herber R, Ramm L, Jasper CS, Pillunat LE, Pillunat KR. Two-year follow-up of micropulse transscleral laser therapy in patients with primary open-angle glaucoma. *Klin Monbl Augenheilkd* 2022;239(6):786-792.
112. Ghion G, Singh A, Pourjavan S. Intermediary inflammatory reaction after micropulse cyclophotocoagulation diode therapy: A case report. *J Med Case Rep* 2022;16(1):89.
113. Xu H, Lee D, Cho J, Voss J, McDaniel L, An JA. Netarsudil as a predictor of response for micropulse transscleral laser therapy: A pilot study. *Ophthalmol Glaucoma* 2022;5(6):658-662.
114. Nam P, Yoo C, Park JH, Kim YY. Choroidal detachment following micropulse laser cyclophotocoagulation in a trabeculectomized eye with chronic angle closure glaucoma: A case report. *Korean J Ophthalmol* 2022;36(4):374-375.
115. Sami A, Aboulnasr TT, El-Shahed AF. Efficacy of a novel zig zag application pattern for micropulse trans-scleral cyclo-photocoagulation for the management of glaucoma. Online ahead of print. *J Glaucoma* 2022.

Poster and Podium Presentations

116. Aquino MCD, Tan AM, Loon SC, Chew PT. Transscleral micropulse diode laser cyclophotocoagulation as effective adjunctive treatment prior to glaucoma surgery. *Invest Ophthalmol Vis Sci*, 2012;53:E-Abstract 5962.
117. Radcliffe N, Vold S, Kammer JA, Ahmed IK, Parekh PD, Noecker RJ, Khatana A. MicroPulse trans-scleral cyclophotocoagulation (mTSCPC) for the treatment of glaucoma using the MicroPulse P3 device. *American Glaucoma Society*. 2015. Coronado, CA
118. Aquino M, Chew P. Long-term efficacy of micropulse diode transscleral cyclophotocoagulation in the treatment of refractory glaucoma. *European Glaucoma Society*, 2016.
119. Fesende AF, Waisbord M, Amarasekera D, Hark LA, Moster MR. A prospective pilot study evaluating the novel micropulse transscleral cyclophotocoagulation: Short-term results. *American Glaucoma Society*, 2016. Ft. Lauderdale, FL.
120. Lin S, Babi K, Masis M. Micropulse transscleral diode laser cyclophotocoagulation: Short term results and anatomical effects. *American Glaucoma Society*, 2016.
121. Maslin J, Noecker RJ. Micropulse trans-scleral cyclophotocoagulation for the treatment of glaucoma. *Invest Ophthalmol Vis Sci*, 2016;57:ARVO E-Abstract 6478.
122. Masis M, Lin S, Babic K. Micropulse transscleral diode laser cyclophotocoagulation: Mid to long-term results. *American Glaucoma Society*. 2017. Coronado, CA.
123. Shazly T, Loewen N, Polat J, Conner I. Outcomes of micropulse transscleral cyclophotocoagulation in medically uncontrolled glaucoma. *American Glaucoma Society*. 2017. Coronado, CA.
124. Toeteberg-Harms M, Funk J, Jurjevic D. Micro-pulse cyclophotocoagulation reduces IOP faster compared to G-Probe-cyclophotocoagulation. *American Glaucoma Society*. 2017. Coronado, CA.
125. Werner A, Mattox CG, Hansen B, Elfersy A. Outcomes in micropulse transscleral diode cyclophotocoagulation for treatment of refractory glaucoma. *American Glaucoma Society*. 2017. Coronado, CA.
126. Patel K, Gelinas N, Rafay H, patrianakos t, Giovingo M. The effects of micropulse transscleral cyclophotocoagulation versus traditional transscleral cyclophotocoagulation diode on intraocular pressure in primary open angle glaucoma. *Invest Ophthalmol Vis Sci*, 2017;58(8):4991-4991.
127. Huang P, McKnight B, Akil H, Huang AS, Francis BA. Efficacy and safety of MicroPulse transscleral diode laser cyclophotocoagulation in the treatment of refractory glaucoma. *Invest Ophthalmol Vis Sci*, 2017;58(8):4997-4997.
128. Khan FH, Pikey K, Krishna R. The micropulse cyclophotocoagulation technique can be a safe and effective treatment for patients with refractory glaucoma. *Invest Ophthalmol Vis Sci*, 2017;58(8):4992-4992.
129. Zhou D, Mas-Ramirez AM, Siegel MJ. Micropulse cyclophotocoagulation: Patients' perceived pain score. *Invest Ophthalmol Vis Sci*, 2017;58(8):4994-4994.
130. Aquino MCD, Chew P. Early outcome of combined micropulse cyclophototherapy and cataract surgery in the treatment of refractory glaucoma. *World Glaucoma Conference*. 2017. Helsinki.
131. Lima F, Avila M. Micropulse transscleral cyclophotocoagulation after endoscopic cyclophotocoagulation failure in refractory glaucoma. *World Glaucoma Conference*. 2017. Helsinki.
132. Sriphon P, Sayawat S. Efficacy of micropulse transscleral cyclophotocoagulation in uncontrolled glaucoma at Srinagarind Hospital, Thailand. *World Glaucoma Conference*, 2017. Helsinki.
133. Masis M, Nguyen A, Gonzalez MM, SC L. Pupillary mydriasis and recovery after transscleral micropulse cyclophotocoagulation. *American Glaucoma Society*, 2018, New York City, NY.
134. Bohnak CE, Aey JP. Micropulse transscleral cyclophotocoagulation in the treatment of patients with primarily severe stage glaucoma. *American Society of Cataract & Refractive Surgery*, 2018, Washington, DC.
135. Breshears BM. Two-year retroactive study of G6 transscleral cyclophotocoagulation as a secondary poag treatment. *American Society of Cataract & Refractive Surgery*, 2018, Washington, DC.
136. Nguyen D, Giovingo MC, Patrianakos TD, Patel K, Breshears BM. Micropulse transscleral cyclophotocoagulation as a primary intervention in primary open-angle glaucoma patients. *American Society of Cataract & Refractive Surgery*, 2018, Washington, DC.
137. Patel K, Breshears BM, Nguyen D, Patrianakos TD, MC G. Effects of micropulse transscleral cyclodiode laser on secondary open-angle glaucoma. *American Society of Cataract & Refractive Surgery*. 2018. Washington, DC.

[RETURN TO TOC](#)

138. Altan C, Satana B, Basarir B, Pasaoglu I, Yasa T. Early clinical outcomes of micropulsed transscleral cyclophotocoagulation in open angle glaucoma. European Glaucoma Society, 2018, Florence, Italy.
139. Goenadi CJ, D'Aquino MD, L MS, Chew PTK. Early outcomes of micropulse diode transscleral cyclophototherapy for treatment of mild to moderate glaucoma. European Glaucoma Society, 2018, Florence, Italy.
140. Zbiba W, Sayadi S, Bouayed E, Elleuch I, Kharrat M. Micropulsed transscleral cyclophotocoagulation in glaucoma management: The tunisian experience. European Glaucoma Society, 2018, Florence, Italy.
141. Amoozgar B, Feinstein M, Lee JH, Liu K, Porco T, Stewart JM, Han Y. Micropulse transscleral cyclophotocoagulation or MP-TCP vs endoscopic cyclophotocoagulation-plus or ECP-plus. *Invest Ophthalmol Vis Sci*, 2018;59(9):6101-6101.
142. Ayoub S, Sarrafpour S, Radcliffe NM. Long-term outcomes of micropulse cyclophotocoagulation in eyes with and without prior tube shunt surgery. *Invest Ophthalmol Vis Sci*, 2018;59(9):6104-6104.
143. Lee JH, Amoozgar B, Lin SC, Padmanabhan S. Short term outcomes of micropulse transscleral cyclophotocoagulation in an urban public hospital. *Invest Ophthalmol Vis Sci*, 2018;59(9):6108-6108.
144. Aihara M, Fujishiro T, Honjo M, Igarashi N, Koichiro Su, Sakata R. IOP reduction and morphological changes of ciliary body by micropulse transscleral cyclophotocoagulation. World Glaucoma Conference, 2018, Barcelona, Spain.
145. Ghazal K. Early result of micro pulse cyclophotocoagulation in glaucoma cases resistant to medication. World Glaucoma Conference, 2018, Barcelona, Spain.
146. Massad II. No more blades, scars or scares: A one year experience of micropulse trans-scleral cyclophotocoagulation from middle east. World Glaucoma Conference, 2018, Barcelona, Spain.
147. Aguado BR, Cortes LA, Arroyo IL, Asaad M. Transscleral cyclophotocoagulation with diode laser for refractory glaucoma. Our experience. European Glaucoma Society, 2018.
148. Asano S, Aihara M, Fujishiro T, Honjo M, Igarashi N, Koichiro S, Sakata R. IOP reduction and morphological changes of ciliary body by micropulse transscleral cyclophotocoagulation. World Ophthalmology Congress, 2018.
149. Agudelo N. Initial outcomes of mycopulse transscleral cyclophotocoagulation in patients with glaucoma and penetrating keratoplasty or boston keratoprosthesis. World Glaucoma Conference. 2019. Melbourne, Australia.
150. Basarir B, Altan C, Solmaz B, Pasaglu I, Alagoz N, Yasar T. Long-term clinical outcomes of micropulsed transscleral cyclophotocoagulation in open-angle glaucoma. European Society of Cataract and Refractive Surgery 2019.
151. Breshears B, Patriankos TD, Giovingo M. Three-year retrospective study of treatment with micropulse cyclophotocoagulation as a primary procedure for neovascular glaucoma. *Invest Ophthalmol Vis Sci*, 2019;60(9):704-704.
152. Chen H. Novel micropulse transscleral cyclophotocoagulation: Initial results in glaucoma. World Glaucoma Conference. 2019. Melbourne, Australia.
153. Chhaya SG, Kagathi M, Manipur S. Clinical outcome of micropulse transscleral cyclophotocoagulation in indian glaucoma patients: Pilot study. World Glaucoma Conference. 2019. Melbourne, Australia.
154. Chung J, Jung JJ, Yoo YC. Short-term outcomes of MicroPulse trans-scleral cyclophotocoagulation in Korean patients. *Invest Ophthalmol Vis Sci*, 2019;60(9):699-699.
155. Del Hierro C, Alvarez Ascencio D, Prado Larrea C, Jimenez Roman J. Micropulse transscleral cyclophotocoagulation in refractory glaucoma. 6 month follow-up. *Invest Ophthalmol Vis Sci*, 2019;60(9):700.
156. Guballa RA, Cruz JM. Treatment outcomes of micropulse transscleral cyclophotocoagulation in refractory glaucoma patients in a tertiary government hospital. World Glaucoma Conference. 2019. Melbourne, Australia.
157. Ibrahim L, Chaves A, Kanadani T, Dorairaj S, Prata T, Kanadani F. Intraocular pressure reduction profile in patients with refractory glaucoma submitted to micropulse transscleral cyclophotocoagulation. *Invest Ophthalmol Vis Sci*, 2019;60(9):705-705.
158. Liehneova I, Karlovska S. Micropulse transscleral cyclophotocoagulation in controlled primary open angle glaucoma by medication. World Glaucoma Conference. 2019. Melbourne, Australia.
159. Parkhomenko O, Parkhomenko G, Parkhomenko O, Kovalenko A. Safety and efficacy of combined transscleral micropulse diode laser cyclocoagulation with phacoemulsification and intraocular lens implantation. European Society of Cataract and Refractive Surgery, 2019, Paris.
160. Rapista AJ, Lee PR, Nasol MCC. Micropulse cyclophotocoagulation outcomes in filipino patients with refractory glaucoma. World Glaucoma Conference. 2019. Melbourne, Australia.
161. Reiser BJJ. The efficacy and safety of micropulse photocyclophotocoagulation in the treatment of refractory advanced pediatric glaucomas. *Invest Ophthalmol Vis Sci*, 2019;60(9):703-703.
162. Samir A, AlQarni A, Almalis M. Micropulse transscleral cyclophotocoagulation for the management of glaucoma after silicone oil removal in vitrectomized eyes. European Society of Cataract and Refractive Surgery, 2019, Paris.
163. Thawongklang S, Sayawat N. Efficacy of micropulse transscleral cyclophotocoagulation in uncontrolled glaucoma at srinagarind hospital, thailand: 1-year result. World Glaucoma Conference. 2019. Melbourne, Australia.
164. Vincent LR, Siddiqui M, Kay D, Planchard B, Waldman C. Outcomes of MicroPulse transscleral cyclophotocoagulation versus Ahmed glaucoma valve as initial surgical treatment for neovascular glaucoma. American Glaucoma Society, 2019.
165. Vincent L, Kheirkhah A, Planchard B, Waldman C. Outcomes of micropulse transscleral cyclophotocoagulation in a hispanic population. *Invest Ophthalmol Vis Sci*, 2019;60(9):3765-3765.
166. Weed J, Shazly TA, Conner IP. Three-year outcomes of micropulse trans-scleral cyclophotocoagulation in medically uncontrolled glaucoma. American Academy of Ophthalmology, 2019. San Francisco, CA.

[RETURN TO TOC](#)

167. Yamamoto R, Fujishiro T, Sugimoto K, Asano S, Shimizu K, Murata H, Sakata R, Asaoka R, Honjo M, Aihara M. The efficacy and safety of micropulse transscleral cyclophotocoagulation (MP-CPC) in Japanese refractory glaucoma. World Glaucoma Conference, 2019. Melbourne, Australia
168. Shah B, Goray A, Mahmoud S, Shah P. Micropulse diode laser cyclophotocoagulation: Initial results and safety profile. International Congress on Glaucoma Surgery, 2020. London.
169. Simatupang LR, Suryono A. Clinical outcomes after micropulse transscleral cyclophotocoagulation in uncontrolled glaucoma patients: 2-years retrospective study. International Congress on Glaucoma Surgery, 2020. London.
170. Anand N, Nirappel A, Klug E, Chachanidze M, Sola-Del Valle D. Outcomes of Iridex MicroPulse P3 (MP3) with higher-than-usual settings for the management of elevated eye pressure. American Glaucoma Society, 2020, Washington DC.
171. Ertel M, Capitena Young C, Soohoo J, Epstein RS, Pantcheva M, Patnaik J, Kahook M, Seibold L. Comparison of clinical outcomes after micropulse and continuous wave transscleral cyclophotocoagulation. American Glaucoma Society, 2020, Washington DC.
172. Hooshmand S, An JA, Hirabayashi M, Voss J. The effect of iris color on outcomes of micropulse cyclophotocoagulation (mTSCPC) in adult glaucoma patients at one year. American Glaucoma Society, 2020. Washington DC.
173. Matsumoto R, Salimi A, Harasymowycz P. Efficacy and safety of micropulse transscleral cyclophotocoagulation (m-TSCPC) in uncontrolled mild to severe glaucoma: A single center Canadian study. American Glaucoma Society, 2020, Washington DC.
174. Cepeda P, Islas Hernández DJ. Early outcomes of micropulsed transscleral cyclophotocoagulation in a mexican population with moderate-to-advanced uncontrolled glaucoma. *Invest Ophthalmol Vis Sci*, 2020;61(7):5233-5233.
175. David JA, Lieux C, Grodsky J, Nussdorf J, Shi A, Morgan M, Fang Z, Al-Dujaili L. Multisurgeon, multisite retrospective study of the influence of multiple variables on outcomes with micropulse transscleral diode laser cyclophotocoagulation. *Invest Ophthalmol Vis Sci*, 2020;61(7):5237-5237.
176. Dorairaj S, de Carvalho CR, Devasena J, Rai O, Ten Hulzen R, Dorairaj E, Prota Hussein R, Kanadani FN, Prata TS. Pupillary abnormalities after micropulse transscleral cyclophotocoagulation. *Invest Ophthalmol Vis Sci*, 2020;61(7):5232-5232.
177. Fam A, Vaidya S, Khouri AS. A comparison of micropulse and continuous wave cyclophotocoagulation in the treatment of refractory pediatric glaucoma. *Invest Ophthalmol Vis Sci*, 2020;61(7):5230-5230.
178. Greenberg M, Pfahler NM, Breshears B, Kakouri A, Giovingo M, Patrianakos T. One-year retrospective study of treatment with micropulse transscleral cyclodiode in phakic and pseudophakic eyes with primary open angle glaucoma. *Invest Ophthalmol Vis Sci*, 2020;61(7):5238-5238.
179. Kakouri A, Pfahler NM, Breshears B, Patrianakos T, Giovingo M. Long-term outcomes of micropulse transscleral cyclophotocoagulation in primary open-angle glaucoma and the effect of preoperative intraocular pressure. *Invest Ophthalmol Vis Sci*, 2020;61(7):5235-5235.
180. Prota Hussein R, Rai O, Ten Hulzen R, Carvalho C, Chaves A, li Z, Kanadani FN, Prata TS, Dorairaj S. Glaucoma progression analysis after MPCPC laser: Long term follow up. *Invest Ophthalmol Vis Sci*, 2020;61(7):5236-5236.
181. Vazquez IF, Paczka JA, Garcia y Otero Sánchez SA, Orozco Garcia A. Micropulsed cyclophotocoagulation in pediatric patients with refractory glaucoma. *Invest Ophthalmol Vis Sci*, 2020;61(7):5229-5229.
182. Voss J, Hooshmand S, Nguyen V, An JA. Predictive factors for micro-pulse transscleral cyclophotocoagulation (mp-TSCPC) success at 6 months. *Invest Ophthalmol Vis Sci*, 2020;61(7):5234-5234.
183. Izquierdo JC, Menzel CG, Lopez JG, Montenegro KR, Rincon M, Agudelo N. Use of micropulse transscleral cyclophotocoagulation in glaucoma associated with penetrating keratoplasty or keratoprotesis. American Society of Cataract and Refractive Surgery, 2020.
184. Mahootchi A. Efficacy of combining MicroPulse transscleral treatment and goniotomy for IOP and medication drop reduction. Poster. American Society of Cataract and Refractive Surgery, 2020.
185. Aquino MC, Koh V, Chew P. Topical anaesthesia for diode transscleral micropulse cyclophototherapy. European Glaucoma Society, 2020.
186. Barosco G, Rodella A, Chemello F, Marbio R, Marchini G. Mid-term results of micro-pulse transscleral cyclophotocoagulation with diode-laser on treatment of glaucoma: A retrospective analysis. European Glaucoma Society, 2020.
187. Basto R, Roque J, Lopes AS, Vaz FT. Micropulse transscleral cyclophotocoagulation: Step by step. European Glaucoma Society, 2020.
188. Khodzhaev N, Sidorova A, Smirnova E, Eliseeva M, Starostina A. Microimpulse cyclophotocoagulation in combined neovascular glaucoma treatment. European Glaucoma Society, 2020.
189. Koh VT, Wong K, Aquino C, Macasaet A, Suwandono M, Chew P. A modified micropulse trans-scleral cyclophototherapy technique for the treatment of refractory glaucoma. European Glaucoma Society, 2020.
190. Maruszczuk W, Hajduga M, Janiszewska-Salamon J, Swoboda M, Mrukwa-Kominek E. Outcomes of micropulse transscleral cyclophotocoagulation in patients with glaucoma - A case series. European Glaucoma Society, 2020.
191. Menzel CG, Izquierdo Villavicencio JC, Ruiz Montenegro K, Lopez Aliendres J, Rincon Sanchez M. Use of micropulse transscleral cyclophotocoagulation in glaucoma associated with penetrating keratoplasty or Kpro. European Glaucoma Society, 2020.
192. Sung MS, Kim J, Park SW. Short-term efficacy and safety of micropulse transscleral cyclophotocoagulation in Asian glaucoma patients. European Glaucoma Society, 2020.
193. Tan M, Koh V, Ngo C, Aquino MC, Goh J, Chew PTK, Tay SU, Mora J. Micropulse transscleral laser in children – the Auckland and Singapore experience. European Glaucoma Society, 2020.

[RETURN TO TOC](#)

194. Akiyama T, Fujishiro T, Sugimoto K, Sakata R, Murata H, Saito H, Honjo M, Aihara M. One year treatment outcomes of micropulse transscleral cyclophotocoagulation in refractory glaucoma. World Glaucoma E-Congress, 2021.
195. Briede E, Baumane K. Micropulse transscleral cyclophotocoagulation efficacy and safety in different types of glaucoma: One year follow-up. World Glaucoma E-Congress, 2021.
196. Chapman P, Shah B, Shah P, Mahmoud S, Goray A, Tamhane A. Micropulse diode laser cyclophotocoagulation – 24 month analysis and safety profile. World Glaucoma E-Congress, 2021.
197. Daas A, Lim K. The effect of micropulse laser on corneal biomechanics and other anterior segment properties in glaucoma and ocular hypertension patients. World Glaucoma E-Congress, 2021.
198. Hsu C. Treatment of poorly controlled traumatic angle recession glaucoma with micropulse transscleral cyclophotocoagulation. World Glaucoma E-Congress, 2021.
199. Jadhav V, Pereira A, Mathews D. Efficacy and role of micropulse transscleral cyclophotocoagulation in reducing intraocular pressure in eyes with glaucoma during a pandemic. World Glaucoma E-Congress, 2021.
200. Kith C, Chukmol K. Treatment outcomes of micropulse diode laser trans-scleral cyclophotocoagulation in Cambodian glaucoma patients: Retrospective study. World Glaucoma E-Congress, 2021.
201. Maksimov I, Ioshin I, Tolchinskaya A. Micropulse transscleral cyclophotocoagulation in treatment of patients with refracted glaucoma (first and second procedures). World Glaucoma E-Congress, 2021.
202. Sukkee J, Chansangpatch S, Taechajongjintana N, Ratanawongphaibul K, Ittipanichpong R, Manassakorn A, Tantisevi V, Rojanapongpun P. Assessment of pain in glaucoma patients undergoing micropulse transscleral laser therapy. World Glaucoma E-Congress, 2021.
203. Taechajongjintana N, Chansangpatch S, Ratanawongphaibul K, Ittipanichpong R, Manassakorn A, Tantisevi V, Rojanapongpun P. The association of suprachoroidal fluid and postoperative outcomes after micropulse transscleral laser therapy in glaucoma patients. World Glaucoma E-Congress, 2021.
204. Vasquez A, Roldan A, Pazmino Y, Roldan E. Short-term efficacy of micropulse transscleral diode laser cyclophotocoagulation (MP-TSCPC) in patients with refractory glaucoma. World Glaucoma E-Congress, 2021.
205. Wajima R, Higashide T, Tsuchiya S, Sugiyama K. The short-term effects of micropulse transscleral diode laser cyclophotocoagulation in Japanese cases with various types of glaucoma. World Glaucoma E-Congress, 2021.
206. Wang B, Davis SA, Davidson JD, Rook BS, Kraus CL. Micropulse transscleral cyclophotocoagulation for the management of refractory pediatric glaucoma. American Association for Pediatric Ophthalmology Association for Strabismus, 2021. Virtual Meeting.
207. Offutt ME, Moody B, Kheirkhah A, Waldman C. Success of micropulse cyclophotocoagulation following tube shunt surgery. *Invest Ophthalmol Vis Sci*. 2021;62(8):2562-2562.
208. Paczka JA, Sánchez G, Sánchez O, Aurora S, Ibañez Sandoval MA, Tornero-Jimenez A. Six-month results on efficacy and safety in eyes with good vision after treatment with micropulse transscleral cyclophotocoagulation. *Invest Ophthalmol Vis Sci*. 2021;62(8):2588-2588.
209. Checo L, Wagner IV, Ahuja AS, Ten Hulzen RD, Khourie Z, Dorairaj S. Prospective comparison of different energy parameters of micropulse transscleral laser therapy. Poster. American Glaucoma Society, 2022.
210. Davanian A, Mercado C, Idrizovic A, Neelakantan A. Three year outcomes of micropulse transscleral cyclophotocoagulation in patients with prior tube shunts. Poster. American Glaucoma Society, 2022.
211. Kamat SS, Hayes S, Fellman RL, Smith O, Feuer W, Grover DS. Diode cyclophotocoagulation after failure of primary glaucoma drainage device. American Glaucoma Society, 2022.
212. Cullinan CE, Shoham-Hazon N. Various micropulse TLT power and dwell times and its effect on IOP in glaucoma patients with mild, moderate and severely elevated IOP. American Society of Cataract and Refractory Surgery, 2022.
213. Murtaza F, Kaba QM, Somani S, Yuen D, Tam ES. Effectiveness of micropulse transscleral laser therapy in non-incisional eyes with ocular hypertension, early and moderate glaucoma. American Society of Cataract and Refractive Surgery, 2022.

GLAUCOMA: PRE-CLINICAL

Laser Trabeculoplasty using MicroPulse Technology (MLT)

Poster and Podium Presentations

214. Grzybowski DM, Kim B, Roberts CJ, Weber PA. Cytokine & MMP production after CW and micropulse diode laser irradiation in responsive vs non-responsive cultured human trabecular meshwork endothelial cells (TMEC). *Invest Ophthalmol Vis Sci*, 2007;48:ARVO E-Abstract 2068.
215. Fudemberg SJ, Myers JS, Katz LJ. Trabecular meshwork tissue examination with scanning electron microscopy: A comparison of micropulse diode Laser (MLT), selective laser (SLT), and argon laser (ALT) trabeculoplasty in human cadaver tissue. *Invest Ophthalmol Vis Sci*, 2008;49:E-Abstract 1236.
216. Kim B, Grzybowski DM, Mahmoud AM, Weber PA, Roberts C. Heat shock protein expression following micropulse and continuous wave diode laser irradiation of cultured human trabecular meshwork endothelial cells. *Invest Ophthalmol Vis Sci*, 2008;49:ARVO E-Abstract 1632.
217. Wingard JB, Miller KV, Pokabla MJ, Strunk KM, Gray JL, Bentivegna R, Noecker RJ. Comparison of morphologic changes after continuous and micropulse yellow laser trabeculoplasty by scanning electron microscopy. American Society of Cataract and Refractive Surgery, Poster. 2011 San Diego, CA.

[RETURN TO TOC](#)

218. Shimizu S, Honjo M, Sugimoto K, Okamoto M, Aihara M. Effect of pigmentation intensity of trabecular meshwork cells on mechanisms of micropulse laser trabeculoplasty. *Scientific Reports* 2022;12(1):10535.

Transscleral Laser Therapy (TLT) using MicroPulse Technology

Articles

219. Johnstone TM. Collector channel entrances dynamically close & open in humans as imaged by OCT: Consideration in MIGS selection and placement? American Glaucoma Society, 2018, New York City, NY.
220. Tan NYQ, Ang M, Chan ASY, Barathi VA, Tham CC, Barton K, Sng CCA. Transscleral cyclophotocoagulation and its histological effects on the conjunctiva. *Sci Rep*, 2019;9(1):18703.
221. Maslin JS, Chen PP, Sinard J, Nguyen AT, Noecker R. Histopathologic changes in cadaver eyes after MicroPulse and continuous wave transscleral cyclophotocoagulation. *Can J Ophthalmol*, 2020;55(4):330-335.
222. Moussa K, Feinstein M, Pekmezci M, Lee JH, Bloomer M, Oldenburg C, Sun Z, Lee RK, Ying G-s, Han Y. Histologic changes following continuous wave and micropulse transscleral cyclophotocoagulation: A randomized comparative study. *Translational Vision Science & Technology*, 2020;9(5):22-22.
223. Nemoto H, Honjo M, Okamoto M, Sugimoto K, Aihara M. Potential mechanisms of intraocular pressure reduction by micropulse transscleral cyclophotocoagulation in rabbit eyes. *Invest Ophthalmol Vis Sci*, 2022;63(6):3.
224. Tsujisawa T, Ishikawa H, Uga S, Asakawa K, Kono Y, Mashimo K, Shoji N. Morphological changes and potential mechanisms of intraocular pressure reduction after micropulse transscleral cyclophotocoagulation in rabbits. *Ophthalmic Res* 2022;65(5):595-602.
225. Williams IM, Neerukonda VK, Stagner AM. The histopathology of two eyes enucleated after continuous transscleral and micropulse transscleral cyclophotocoagulation for refractory secondary glaucoma. *Ocul Oncol Pathol* 2022;8(2):93-99.

Poster and Podium Presentations

226. Johnstone MA, Padilla S, Wen K. Transscleral laser, ciliary muscle shortening & outflow pathway reorganization. *Invest Ophthalmol Vis Sci*, 2017;58(8):3468-3468.
227. Johnstone MA, SONG S, Padilla S, Wen K, Xin C, Wen JC, Martin E, Wang RK. Microscope real-time video (mrtv), high-resolution OCT (HR-OCT) & histopathology (HP) to assess how transscleral micropulse laser (TML) affects the sclera, ciliary body (CB), muscle (CM), secretory epithelium (cbse), suprachoroidal space (SCS) & aqueous outflow system. *Invest Ophthalmol Vis Sci*, 2019;60(9):2825-2825.
228. Johnstone MA, Padilla S, Song S, Xin Ch, Wen JC, Martin E, Wang R. Transscleral micropulse laser (TML) effects on outflow system, sclera, ciliary muscle (CB) & suprachoroidal space (SCS): Insights from high-resolution OCT (HROCT), real-time video (RTV) & histology. American Glaucoma Society, 2019. San Francisco, CA.
229. Zhao M, Pekmezci M, Lee RK, Han Y. Histologic changes following continuous wave and micropulse transscleral cyclophotocoagulation: A randomized comparative study. American Glaucoma Society, 2019. San Francisco, CA.
230. Johnstone MA, Song S, Padilla S, Wen K, Xin C, Wen JC, Martin E, Wang RK. Transscleral micropulse laser (TML) & pilocarpine: Effects on sclera, ciliary body (CB), suprachoroidal space (SCS) & aqueous outflow system. Micropulse laser: Outflow system effects. Poster. American Society of Cataract and Refractive Surgery, 2020.
231. Tsuda S, Kokubun T, Okabe T, Kiriyama T, Yamanari M, Nakazawa T. Examination of intraocular pressure reduction and tissue damage after micropulse wave transscleral ciliary photocoagulation in rabbits. World Glaucoma E-Congress, 2022.

GLAUCOMA: MULTI-STUDY REVIEWS & RELATED LITERATURE

Articles

232. Amoozgar B, Phan EN, Lin SC, Han Y. Update on ciliary body laser procedures. *Curr Opin Ophthalmol*, 2017;28(2):181-186.
233. Ma A, Yu SWY, Wong JKW. Micropulse laser for the treatment of glaucoma: A literature review. *Surv Ophthalmol*, 2019;64(4):486-497.
234. Souissi S, Le Mer Y, Metge F, Portmann A, Baudouin C, Labbé A, Hamard P. An update on continuous-wave cyclophotocoagulation (CW-CPC) and micropulse transscleral laser treatment (MP-TLT) for adult and paediatric refractory glaucoma. *Acta Ophthalmologica*, 2021;doi: 10.1111/aos.14661(99):e621-e653.
235. Grippo TM, Sanchez FG, Stauffer J, Marcellino G. Micropulse® transscleral laser therapy - fluence may explain variability in clinical outcomes: A literature review and analysis. *Clin Ophthalmol* 2021;15:2411-2419.

Poster and Podium Presentations

236. Grisham E, Hooshmand S, An JA. Outcomes of MicroPulse cyclophotocoagulation in adult glaucoma patients. *Invest Ophthalmol Vis Sci*, 2019;60(9):702-702.

[RETURN TO TOC](#)

