Myopietherapie braucht mehr Langzeitforschung

Wo neue Studien schon heute mehr Klarheit schaffen

LITERATUR

[1] Yam JC, Li FF, Zhang X et al. Two-Year Clinical Trial of the Low-Concentration Atropine for Myopia Progression (LAMP) Study: Phase 2 Report. Ophthalmology. 2020;127:910–9.

[2] Ha A, Kim SJ, Shim SR, Kim YK, Jung JH. Efficacy and Safety of 8 Atropine Concentrations for Myopia Control in Children: A Network Meta-Analysis. Ophthalmology. 2022;129:322–33.

[3] Luo Y, Yin Z, Zhang J et al. Differential impact of 0.01% and 0.05% atropine eye drops on visual performance in young adults. Ophthalmic & physiological optics the journal of the British College of Ophthalmic Opticians (Optometrists). 2025;45:854–64.

[4] Yam JC, Zhang XJ, Zhang Y et al. Effect of Low-Concentration Atropine Eyedrops vs Placebo on Myopia Incidence in Children: The LAMP2 Randomized Clinical Trial. JAMA. 2023;329:472–81.

[5] Maulvi FA, Desai DT, Kalaiselvan P, Shah DO, Willcox MDP. Current and emerging strategies for myopia control: a narrative review of optical, pharmacological, behavioural, and adjunctive therapies. Eye (London, England). 2025;39:2635–44.

[6] Trier K, Cui D, Ribel-Madsen S, Guggenheim J. Oral administration of caffeine metabolite 7-methylxanthine is associated with slowed myopia progression in Danish children. The British journal of ophthalmology. 2023;107:1538–44.

[7] Xu Y, Cui L, Kong M et al. Repeated Low-Level Red Light Therapy for Myopia Control in High Myopia Children and Adolescents: A Randomized Clinical Trial. Ophthalmology. 2024;131:1314–23.

[8] Ostrin LA, Schill AW. Red light instruments for myopia exceed safety limits. Ophthalmic & physiological optics the journal of the British College of Ophthalmic Opticians (Optometrists). 2024;44:241–8.

[9] Chakraborty R, Baranton K, Pic E et al. Axial length reduction and choroidal thickening with short-term exposure to cyan light in human subjects. Ophthalmic & physiological optics the journal of the British College of Ophthalmic Opticians (Optometrists). 2024;44:1414–32.

[10] Hon Y, Chun RKM, Cheung BKK et al. Effectiveness of bright light therapy and combination with myopic defocus for controlling myopic eye growth in schoolchildren: study protocol for a randomised controlled trial (phase 1). BMJ open ophthalmology. 2025;10.

[11] Mori K, Torii H, Hara Y et al. Effect of Violet Light-Transmitting Eyeglasses on Axial Elongation in Myopic Children: A Randomized Controlled Trial. Journal of clinical medicine. 2021;10.

[12] Zhang XJ, Zhang Y, Zhang YJ et al. Dietary omega-3 polyunsaturated fatty acids as a protective factor of myopia: the Hong Kong Children Eye Study. The British journal of ophthalmology. 2025.

[13] Xue CC, Li H, Dong X-X et al. Omega-3 Polyunsaturated Fatty Acids as a Protective Factor for Myopia. American journal of ophthalmology. 2024;268:368–77.

[14] Chung YW. Myopia: a review of current concepts, association with nonophthalmological conditions, and treatment strategy in children and adolescents. Clinical and experimental pediatrics. 2025;68:554–65.

[15] Huang Y, Gao R, Li Z et al. The effects of different riboflavin concentrations and infiltration times on rabbit scleral crosslinking. Experimental eye research. 2025;257:110449.

[16] Guo L, Hua R, Zhang X et al. Scleral Cross-Linking in Form-Deprivation Myopic Guinea Pig Eyes Leads to Glaucomatous Changes. Investigative ophthalmology & visual science. 2022;63:24.

[17] Xue A, Zheng L, Tan G et al. Genipin-Crosslinked Donor Sclera for Posterior Scleral Contraction/Reinforcement to Fight Progressive Myopia. Investigative ophthalmology & visual science. 2018;59:3564–73.

[18] Huang J, Wen D, Wang Q et al. Efficacy Comparison of 16 Interventions for Myopia Control in Children: A Network Meta-analysis. Ophthalmology. 2016;123:697–708.

[19] Tsai H-R, Wang J-H, Huang H-K, Chen T-L, Chen P-W, Chiu C-J. Efficacy of atropine, orthokeratology, and combined atropine with orthokeratology for childhood myopia: A systematic review and network meta-analysis. Journal of the Formosan Medical Association = Taiwan yi zhi. 2022;121:2490–500.

[20] Nucci P, Lembo A, Schiavetti I, Shah R, Edgar DF, Evans BJW. A comparison of myopia control in European children and adolescents with defocus incorporated multiple segments (DIMS) spectacles, atropine, and combined DIMS/atropine. PloS one. 2023;18:e0281816.