

# IMI Risk Factors for Myopia

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Citation Report

#	ARTICLE	IF	CITATIONS
1	IMI 2021 Reports and Digest “Reflections on the Implications for Clinical Practice. , 2021, 62, 1.		9
2	Early Age of the First Myopic Spectacle Prescription, as an Indicator of Early Onset of Myopia, Is a Risk Factor for High Myopia in Adulthood. Journal of Ophthalmology, 2021, 2021, 1-9.	1.3	3
3	Effect of Sunshine Duration on Myopia in Primary School Students from Northern and Southern China. International Journal of General Medicine, 2021, Volume 14, 4913-4922.	1.8	8
4	Normative data and percentile curves for axial length and axial length/corneal curvature in Chinese children and adolescents aged 4“18 years. British Journal of Ophthalmology, 2023, 107, 167-175.	3.9	27
5	Reappraisal of the historical myopia epidemic in native Arctic communities. Ophthalmic and Physiological Optics, 2021, 41, 1332-1345.	2.0	5
6	Is myopia prevalence related to outdoor green space?. Ophthalmic and Physiological Optics, 2021, 41, 1371-1381.	2.0	3
7	Retinal OFF-Pathway Overstimulation Leads to Greater Accommodation-Induced Choroidal Thinning. , 2021, 62, 5.		12
8	Physical Activity Spaces Not Effective against Socioeconomic Inequalities in Myopia Incidence: The Generation R Study. Optometry and Vision Science, 2021, 98, 1371-1378.	1.2	4
9	Dietary intake and associations with myopia in Singapore children. Ophthalmic and Physiological Optics, 2022, 42, 319-326.	2.0	9
10	Significant increase in astigmatism in children after study at home during the COVID-19 lockdown. Australasian journal of optometry, The, 2023, 106, 322-330.	1.3	6
11	Prediction for Cycloplegic Refractive Error in Chinese School Students: Model Development and Validation. Translational Vision Science and Technology, 2022, 11, 15.	2.2	3
12	China Turns to School Reform to Control the Myopia Epidemic: A Narrative Review. Asia-Pacific Journal of Ophthalmology, 2022, 11, 27-35.	2.5	31
13	Machine Learning to Determine Risk Factors for Myopia Progression in Primary School Children: The Anyang Childhood Eye Study. Ophthalmology and Therapy, 2022, 11, 573-585.	2.3	16
14	Whole exome sequence analysis in 51“624 participants identifies novel genes and variants associated with refractive error and myopia. Human Molecular Genetics, 2022, , .	2.9	10
15	Myopia and Culture. SSRN Electronic Journal, 0, , .	0.4	0
16	Choroidal Thickness and Its Association With Age, Axial Length, and Refractive Error in Chinese Adults. , 2022, 63, 34.		21
17	Exposure to the Life of a School Child Rather Than Age Determines Myopic Shifts in Refraction in School Children. , 2022, 63, 15.		13
18	The effect of concentric and aspheric multifocal soft contact lenses on binocular vision in young adult myopes. Contact Lens and Anterior Eye, 2023, 46, 101588.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Global Tendency and Frontiers of Research on Myopia From 1900 to 2020: A Bibliometrics Analysis. <i>Frontiers in Public Health</i> , 2022, 10, 846601.	2.7	13
20	Sleep Patterns and Myopia Among School-Aged Children in Singapore. <i>Frontiers in Public Health</i> , 2022, 10, 828298.	2.7	13
21	Premyopia at Preschool Age. <i>Ophthalmology</i> , 2022, 129, 880-889.	5.2	10
22	Complex Interplay Between COVID-19 Lockdown and Myopic Progression. <i>Frontiers in Medicine</i> , 2022, 9, 853293.	2.6	14
23	The prevalence of refractive errors in college students in Israel. <i>Journal of Optometry</i> , 2022, 15, 284-292.	1.3	6
24	Simulations to Assess the Performance of Multifactor Risk Scores for Predicting Myopia Prevalence in Children and Adolescents in China. <i>Frontiers in Genetics</i> , 2022, 13, 861164.	2.3	3
25	Factors determining the myopia control effect of an orthokeratology lens: A two-year multi-level model. <i>Ophthalmic and Physiological Optics</i> , 2022, 42, 786-796.	2.0	7
26	Assessing the contribution of genetic nurture to refractive error. <i>European Journal of Human Genetics</i> , 2022, 30, 1226-1232.	2.8	2
27	The WHO-ITU MyopiaEd Programme: A Digital Message Programme Targeting Education on Myopia and Its Prevention. <i>Frontiers in Public Health</i> , 2022, 10, .	2.7	3
28	Myopia in Bulgarian school children: prevalence, risk factors, and health care coverage. <i>BMC Ophthalmology</i> , 2022, 22, .	1.4	10
29	Variability of Accommodative Microfluctuations in Myopic and Emmetropic Juveniles during Sustained near Work. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7066.	2.6	3
30	The Prevalence and Progression of Myopia in Elementary School Students in Shanxi Province, China During the COVID-19 Pandemic. <i>Seminars in Ophthalmology</i> , 2022, 37, 756-766.	1.6	11
31	Association of CX36 Protein Encoding Gene GJD2 with Refractive Errors. <i>Genes</i> , 2022, 13, 1166.	2.4	1
32	Hypoxia-Induced Scleral HIF-2 $\beta$ Upregulation Contributes to Rises in MMP-2 Expression and Myopia Development in Mice. , 2022, 63, 2.		3
34	A comparison of vision-related quality of life between Defocus Incorporated Soft Contact (DISC) lenses and single-vision spectacles in Chinese children. <i>Contact Lens and Anterior Eye</i> , 2023, 46, 101748.	1.7	4
35	Exploration of abnormal dynamic spontaneous brain activity in patients with high myopia via dynamic regional homogeneity analysis. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	2.0	2
36	A review of study designs and data analyses in metabolomics studies in myopia. <i>Analytical Biochemistry</i> , 2022, 655, 114850.	2.4	3
37	Effectiveness of peripheral defocus spectacle lenses in myopia control: a Meta-analysis and systematic review. <i>International Journal of Ophthalmology</i> , 2022, 15, 1699-1706.	1.1	7

#	ARTICLE	IF	CITATIONS
38	Longitudinal Changes in Lens Thickness and Lens Power Among Persistent Non-Myopic and Myopic Children. , 2022, 63, 10.		10
39	Dental caries and periodontitis and the risk of myopia in young adults: CHIEF oral health study. BMC Oral Health, 2022, 22, .	2.3	3
40	Systematic Review and Meta-Analysis on the Impact of COVID-19 Pandemicâ€Related Lifestyle on Myopia. Asia-Pacific Journal of Ophthalmology, 2022, 11, 470-480.	2.5	18
41	Epidemiology and Pathogenesis of Myopia. Current Practices in Ophthalmology, 2022, , 1-26.	0.1	0
42	Research trends and hotspots in the relationship between outdoor activities and myopia: A bibliometric analysis based on the web of science database from 2006 to 2021. Frontiers in Public Health, 0, 10, .	2.7	2
43	Ocular biometrics and uncorrected visual acuity for detecting myopia in Chinese school students. Scientific Reports, 2022, 12, .	3.3	3
44	Education interacts with genetic variants near GJD2, RBFOX1, LAMA2, KCNQ5 and LRRC4C to confer susceptibility to myopia. PLoS Genetics, 2022, 18, e1010478.	3.5	8
45	The Role of Retinal Dysfunction in Myopia Development. Cellular and Molecular Neurobiology, 2023, 43, 1905-1930.	3.3	5
47	Buildings, Lighting, and the Myopia Epidemic. LEUKOS - Journal of Illuminating Engineering Society of North America, 2023, 19, 1-3.	2.9	1
48	Myopia and axial length in school-aged children before, during, and after the COVID-19 lockdownâ€A population-based study. Frontiers in Public Health, 0, 10, .	2.7	3
49	Relatively Stable Prevalence of Myopia among Swedish Children Aged 4 to 7 Years between 2015 and 2020. Optometry and Vision Science, 2023, 100, 91-95.	1.2	1
50	Myopia and Near Work: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2023, 20, 875.	2.6	15
51	Clinically Significant Axial Shortening in Myopic Children After Repeated Low-Level Red Light Therapy: A Retrospective Multicenter Analysis. Ophthalmology and Therapy, 2023, 12, 999-1011.	2.3	7
52	Prevalence of refractive errors in Nepalese children and adults: a systematic review with meta-analysis. Australasian journal of optometry, The, 0, , 1-14.	1.3	1
53	TikTok and adolescent vision health: Content and information quality assessment of the top short videos related to myopia. Frontiers in Public Health, 0, 10, .	2.7	9
54	Paediatric myopia shift during the COVID-19 pandemic home quarantine: a systematic review and meta-analysis. BMJ Paediatrics Open, 2022, 6, e001755.	1.4	2
55	Myopia and Its Association with Near Work, Outdoor Time, and Housing Type among Schoolchildren in South India. Optometry and Vision Science, 2023, 100, 105-110.	1.2	2
56	Trend of myopia through different interventions from 2010 to 2050: Findings from Eastern Chinese student surveillance study. Frontiers in Medicine, 0, 9, .	2.6	4

#	ARTICLE	IF	CITATIONS
57	Thin Central Corneal Thickness May Be a Risk Factor for Myopia Progression in Children. Journal of Ophthalmology, 2023, 2023, 1-7.	1.3	4
58	Objective quantification of viewing behaviours during printed and electronic tasks in emmetropic and myopic ultra-Orthodox Jewish men. Ophthalmic and Physiological Optics, 2023, 43, 337-346.	2.0	1
59	2020 Charles F. Prentice Lecture: I Can See Clearly Now. Optometry and Vision Science, 2023, 100, 17-22.	1.2	1
60	Orthokeratology compliance, digital device use, and myopia control among children with myopia during COVID-19 home confinement in Taiwan. Indian Journal of Ophthalmology, 2023, 71, 962.	1.1	2
61	The 'Negative' impact. TNOA Journal of Ophthalmic Science and Research, 2023, 61, 4.	0.1	0
62	A new polygenic score for refractive error improves detection of children at risk of high myopia but not the prediction of those at risk of myopic macular degeneration. EBioMedicine, 2023, 91, 104551.	6.1	3
63	Sympathetic nervous system activity is associated with choroidal thickness and axial length in school-aged children. British Journal of Ophthalmology, 2024, 108, 405-410.	3.9	0
64	Emmetropization and nonmyopic eye growth. Survey of Ophthalmology, 2023, 68, 759-783.	4.0	10
65	Baseline characteristics in the Israel refraction, environment, and devices (iREAD) study. Scientific Reports, 2023, 13, .	3.3	0
66	Prevalence Patterns and Onset Prediction of High Myopia for Children and Adolescents in Southern China via Real-World Screening Data: Retrospective School-Based Study. Journal of Medical Internet Research, 0, 25, e39507.	4.3	2
67	Causal Relationships Between Glycemic Traits and Myopia. , 2023, 64, 7.		7
68	Association between vitamin D and myopia in adolescents and young adults: Evidence of national cross-sectional study. European Journal of Ophthalmology, 2023, 33, 1883-1891.	1.3	2
69	Letter to the Editor: 20-20-20 Rule: Are These Numbers Justified?. Optometry and Vision Science, 0, Publish Ahead of Print, .	1.2	0
70	A Duration-Dependent Interaction Between High-Intensity Light and Unrestricted Vision in the Drive for Myopia Control. , 2023, 64, 31.		5
71	Prevalence of refractive error in Portugal estimated from ophthalmic lens manufacturing data: Ten-years analysis. PLoS ONE, 2023, 18, e0284703.	2.5	0
72	Prevalence, Associated Factors, and Inter-Eye Differences of Refractive Errors in a Population-Based Japanese Cohort: The Tohoku Medical Megabank Eye Study. Ophthalmic Epidemiology, 2024, 31, 46-54.	1.7	1
73	Predicting the child who will become myopic “ can we prevent onset?. Australasian journal of optometry, The, 2023, 106, 815-824.	1.3	0
74	Myopia progression risk assessment score (MPRAS): a promising new tool for risk stratification. Scientific Reports, 2023, 13, .	3.3	2

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75	Prevalence of myopia among senior students in Fenghua, Eastern China, before and during the COVID-19 pandemic. <i>Frontiers in Public Health</i> , 0, 11, .	2.7	0
76	Short-Term Axial Length Changes in Myopic Eyes Induced by Defocus Spectacles for Myopia Control. <i>Photonics</i> , 2023, 10, 668.	2.0	0
77	High Myopia and Thickness of Extraocular and Masticatory Musclesâ€™7T MRI, Preliminary Study. <i>Journal of Clinical Medicine</i> , 2023, 12, 4166.	2.4	3
78	Influencing factors associated with high myopia in Chinese college students. <i>Frontiers in Medicine</i> , 0, 10, .	2.6	1
79	Myopia and sleep in childrenâ€™a systematic review. <i>Sleep</i> , 2023, 46, .	1.1	8
80	Editorial: International Myopia Institute White Paper Series 2023. , 2023, 64, 1.		1
81	IMIâ€™Management and Investigation of High Myopia in Infants and Young Children. , 2023, 64, 3.		7
82	IMIâ€™Onset and Progression of Myopia in Young Adults. , 2023, 64, 2.		18
83	Exposure to Secondhand Smoke and Myopia in Children Aged 6 to 8 Years in Hong Kong. <i>JAMA Network Open</i> , 2023, 6, e2312995.	5.9	1
84	Machine learning to analyze the factors influencing myopia in students of different school periods. <i>Frontiers in Public Health</i> , 0, 11, .	2.7	1
86	Emmetropic eye growth in East Asians and nonâ€™East Asians. <i>Ophthalmic and Physiological Optics</i> , 2023, 43, 1412-1418.	2.0	2
87	New clinical and public health perspectives on myopia prevention and control in China. <i>Eye</i> , 0, , .	2.1	1
88	The â€™IMPACTâ€™myopia management guidelines. <i>Indian Journal of Ophthalmology</i> , 2023, 71, 2882-2884.	1.1	1
89	Myopia control: short-term effect of 0.01% atropine vs. defocus incorporated multiple segment lensesâ€™a retrospective study in European children. <i>International Ophthalmology</i> , 0, , .	1.4	0
90	Effect of redâ€™light therapy on retinal and choroidal blood perfusion in myopic children. <i>Ophthalmic and Physiological Optics</i> , 2023, 43, 1427-1437.	2.0	2
91	Longitudinal Changes in Choroidal Structure Following Repeated Low-Level Red-Light Therapy for Myopia Control: Secondary Analysis of a Randomized Controlled Trial. <i>Asia-Pacific Journal of Ophthalmology</i> , 2023, 12, 377-383.	2.5	2
92	Outdoor Scene Classrooms to Arrest Myopia: Design and Baseline Characteristics. <i>Optometry and Vision Science</i> , 2023, 100, 543-549.	1.2	1
93	Myopia Progression in Adults: A Retrospective Analysis. <i>Optometry and Vision Science</i> , 0, , .	1.2	0

#	ARTICLE	IF	CITATIONS
94	Factors associated with myopia in 19-year-old adult men in Korea between 2014 and 2020. Scientific Reports, 2023, 13, .	3.3	1
95	Baseline Refractive Error, Habitual Accommodative Tone, and Its Association With Myopia in Children: The Lhasa Childhood Eye Study. , 2023, 64, 4.		0
96	Pseudomyopia as an independent risk factor for myopia onset: a prospective cohort study among school-aged children. British Journal of Ophthalmology, 0, , bjo-2022-322330.	3.9	0
97	Advances in myopia prevention strategies for school-aged children: a comprehensive review. Frontiers in Public Health, 0, 11, .	2.7	1
98	Myopic progression in school-aged children with moderate intermittent exotropia. Frontiers in Pediatrics, 0, 11, .	1.9	0
99	The impact of visual environment on the evolution of myopia. E3S Web of Conferences, 2023, 412, 01062.	0.5	0
101	A systematic review and <scp>metaâ€‘analysis</scp> of the efficacy of different optical interventions on the control of myopia in children. Acta Ophthalmologica, 0, , .	1.1	1
102	The level of education and the risk for retinal detachments and breaks: A registryâ€‘based caseâ€‘control study. Acta Ophthalmologica, 0, , .	1.1	0
103	Using Light Meters to Investigate the Light-Myopia Association â€‘ A Literature Review of Devices and Research Methods. Clinical Ophthalmology, 0, Volume 17, 2737-2760.	1.8	0
104	Development of the University of Houston near work, environment, activity, and refraction (UH NEAR) survey for myopia. Australasian journal of optometry, The, 0, , 1-14.	1.3	0
105	Utility of the Actiwatch Spectrum Plus for detecting the outdoor environment and physical activity in children. Journal of Optometry, 2024, 17, 100483.	1.3	0
106	Epidemiology of High Myopia. Essentials in Ophthalmology, 2023, , 1-7.	0.1	0
107	Efficacy of Soft Contact Lenses for Myopia Control: A Systematic Review. Seminars in Ophthalmology, 2024, 39, 185-192.	1.6	0
108	Association between Global Myopia Prevalence and International Levels of Education. Optometry and Vision Science, 0, , .	1.2	1
109	Circadian rhythm, ipRGCs, and dopamine signalling in myopia. Graefe's Archive for Clinical and Experimental Ophthalmology, 2024, 262, 983-990.	1.9	0
110	Objective Measures of Gaze Behaviors and the Visual Environment during Near-Work Tasks in Young Adult Myopes and Emmetropes. Translational Vision Science and Technology, 2023, 12, 18.	2.2	0
111	Changes in Refractive Error During Young Adulthood: The Effects of Longitudinal Screen Time, Ocular Sun Exposure, and Genetic Predisposition. , 2023, 64, 28.		0
112	Time Spent Outdoors Partly Accounts for the Effect of Education on Myopia. , 2023, 64, 38.		0

#	ARTICLE	IF	CITATIONS
113	Effect of myopia management contact lens design on accommodative microfluctuations and eye movements during reading. Contact Lens and Anterior Eye, 2023, , 102095.	1.7	0
114	Seasonal and Annual Change in Physiological Ocular Growth of 7- to 11-Year-Old Norwegian Children. , 2023, 64, 10.		0
115	Myopia management algorithm. Annexe to the article titled Update and guidance on management of myopia. European Society of Ophthalmology in cooperation with International Myopia Institute. European Journal of Ophthalmology, 0, , .	1.3	0
116	Screening of genes interacting with high myopia and neuropsychiatric disorders. Scientific Reports, 2023, 13, .	3.3	1
117	Trends in Myopia and High Myopia from 1966 to 2019 in Olmsted County, Minnesota. American Journal of Ophthalmology, 2024, 259, 35-44.	3.3	0
118	The problem of myopia in the practice of a family doctor. Spravočnik Vraća Obje Praktiki, 2023, , 55-63.	0.0	0
119	A meta-analysis of randomized controlled trials evaluating the effectiveness and safety of the repeated low-level red light therapy in slowing the progression of myopia in children and adolescents. Indian Journal of Ophthalmology, 0, , .	1.1	1
120	Subjective behavioral measures in myopic and pre-myopic children before and after the COVID lockdown. Frontiers in Medicine, 0, 10, .	2.6	1
121	Will Disease awareness induce healthier behaviour? A regression-discontinuity analysis of effects of myopia diagnosis among Chinese adolescents. Applied Economics, 0, , 1-23.	2.2	0
122	Axial Elongation Trajectories in Chinese Children and Adults With High Myopia. JAMA Ophthalmology, 2024, 142, 87.	2.5	1
123	Effect of mount location on the quantification of light intensity in myopia study. BMJ Open Ophthalmology, 2023, 8, e001409.	1.6	0
125	24-H movement behaviors and visual impairment among Chinese adolescents with and without obesity. Complementary Therapies in Clinical Practice, 2024, 54, 101823.	1.7	0
126	Associations of Near Work, Time Outdoors, and Sleep Duration With Myopic Regression 5 Years After SMILE and FS-LASIK: A Cross-sectional Study. Journal of Refractive Surgery, 2024, 40, .	2.3	0
127	Assessing the rebound phenomenon in different myopia control treatments: A systematic review. Ophthalmic and Physiological Optics, 2024, 44, 270-279.	2.0	0
128	Mean cycloplegic refractive error in emmetropic adults – The Tehran Eye Study. Journal of Optometry, 2024, 17, 100512.	1.3	0
129	Lifestyle Factors in Myopic Spanish Children. Children, 2024, 11, 139.	1.5	1
130	The influence of the environment and lifestyle on myopia. Journal of Physiological Anthropology, 2024, 43, .	2.6	0
131	The Current and Future Landscape of the Childhood Myopia Epidemic in China – A Review. Ophthalmology and Therapy, 2024, 13, 883-894.	2.3	0



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132	Myopie und Refraktionsentwicklung im Kindes- und Jugendalter. Springer Reference Medizin, 2023, , 1-13.	0.0	0
133	Pan-Indian multicentre retrospective study of 0.01% atropine for myopia control. British Journal of Ophthalmology, 0, , bjo-2024-325182.	3.9	0
134	Association of sleep timings, duration, consistency, and chronotype with premyopia and myopia among Indian children. European Journal of Ophthalmology, 0, , .	1.3	0
135	Impact of stimulant treatment on refractive errors and pupil diameter in attention deficit hyperactivity disorder. Acta Ophthalmologica, 0, , .	1.1	0
136	Vitamin D and myopia: a review. International Ophthalmology, 2024, 44, .	1.4	0
137	Algorithmic and sensor-based research on Chinese children's and adolescents' screen use behavior and light environment. Frontiers in Public Health, 0, 12, .	2.7	0
138	Associations between ZNF676, CTC1 Gene Polymorphisms and Relative Leukocyte Telomere Length with Myopia and Its Degree. Biomedicines, 2024, 12, 538.	3.2	0
139	Study of myopia progression and risk factors in Hubei children aged 7-10 years using machine learning: a longitudinal cohort. BMC Ophthalmology, 2024, 24, .	1.4	0
140	Combined Effect of Outdoor Time and Other Modifiable Factors on Myopia Incidence Among Children and Adolescents - 9 PLADs, China, 2020. , 2024, 6, 151-156.		0
141	Association between body stature with ocular biometrics and refraction among Chinese preschoolers. BMC Ophthalmology, 2024, 24, .	1.4	0
142	Associations of meeting 24-hour movement behavior guidelines with prescribed eyeglasses/contact lenses among children and adolescents. Complementary Therapies in Clinical Practice, 2024, 55, 101844.	1.7	0
143	Development and validation of predictive models for myopia onset and progression using extensive 15-year refractive data in children and adolescents. Journal of Translational Medicine, 2024, 22, .	4.4	0