

# Stereopsis and amblyopia: A mini-review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanisms of recovery of visual function in adult amblyopia through a tailored action video game. Scientific Reports, 2015, 5, 8482.	1.6	67
2	The presence of eye defects in patients with Turner syndrome is irrespective of their karyotype. Clinical Endocrinology, 2015, 83, 842-848.	1.2	19
3	Prehension of a Flanked Target in Individuals With Amblyopia. , 2015, 56, 7568.		8
4	A window into visual cortex development and recovery of vision: Introduction to the Vision Research special issue on Amblyopia. Vision Research, 2015, 114, 1-3.	0.7	10
5	A dichoptic custom-made action video game as a treatment for adult amblyopia. Vision Research, 2015, 114, 173-187.	0.7	139
6	Is Suppression Just Normal Dichoptic Masking? Suprathreshold Considerations. , 2016, 57, 5107.		17
7	Covert spatial attention is functionally intact in amblyopic human adults. Journal of Vision, 2016, 16, 30.	0.1	32
8	Fine Motor Skills of Children With Amblyopia Improve Following Binocular Treatment. , 2016, 57, 4713.		58
9	Dysfunction in the fellow eyes of strabismic and anisometropic amblyopic children assessed by visually evoked potentials. Arquivos Brasileiros De Oftalmologia, 2016, 79, 294-298.	0.2	3
10	Recovery of visual functions in amblyopic animals following brief exposure to total darkness. Journal of Physiology, 2016, 594, 149-167.	1.3	25
11	Effects of cortical damage on binocular depth perception. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150254.	1.8	28
12	Does Correction of Strabismus Improve Quality of Life in Children with Autism Spectrum Disorder: Results of a Parent Survey by Ophthalmologists. Seminars in Ophthalmology, 2016, 33, 1-6.	0.8	3
13	Monocular blur alters the tuning characteristics of stereopsis for spatial frequency and size. Royal Society Open Science, 2016, 3, 160273.	1.1	18
14	Strabismus and the Oculomotor System: Insights from Macaque Models. Annual Review of Vision Science, 2016, 2, 37-59.	2.3	40
15	Effect of a Binocular iPad Game vs Part-time Patching in Children Aged 5 to 12 Years With Amblyopia. JAMA Ophthalmology, 2016, 134, 1391.	1.4	139
16	Recovering stereo vision by squashing virtual bugs in a virtual reality environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150264.	1.8	75
17	Neural architectures for stereo vision. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150261.	1.8	32
18	Optimization of visual training for full recovery from severe amblyopia in adults. Learning and Memory, 2016, 23, 99-103.	0.5	27

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19	Intraocular cytokines imbalance in congenital cataract and its impact on posterior capsule opacification. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 1013-1018.	1.0	16
20	Age is highly associated with stereo blindness among surgeons: a cross-sectional study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 4889-4894.	1.3	26
21	Postoperative Shifts in Adult Strabismus Patients with Visual Deficits. <i>Current Eye Research</i> , 2016, 41, 1016-1020.	0.7	2
22	Altered interhemispheric functional connectivity in patients with anisometropic and strabismic amblyopia: a resting-state fMRI study. <i>Neuroradiology</i> , 2017, 59, 517-524.	1.1	33
23	The effectiveness of disc synoptoscope on patients with abnormal binocular vision: a prospective cohort study. <i>International Ophthalmology</i> , 2017, 37, 1139-1146.	0.6	2
24	Nonhuman Primate Studies to Advance Vision Science and Prevent Blindness. <i>ILAR Journal</i> , 2017, 58, 216-225.	1.8	12
25	Perceptual training to increase drivers' ability to spot motorcycles at T-junctions. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2017, 48, 1-12.	1.8	13
26	Binaural pitch fusion: Comparison of normal-hearing and hearing-impaired listeners. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1909-1920.	0.5	22
27	Advances in Amblyopia Treatment: Paradigm Shifts and Future Directions. <i>International Ophthalmology Clinics</i> , 2017, 57, 117-128.	0.3	11
28	Stereopsis and fusion in anisometropia according to the presence of amblyopia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 2487-2492.	1.0	19
29	A complete investigation of monocular and binocular functions in clinically treated amblyopia. <i>Scientific Reports</i> , 2017, 7, 10682.	1.6	17
30	An Assessment of Stereovision Acquired in Adulthood. <i>Optometry and Vision Science</i> , 2017, 94, 993-999.	0.6	3
31	Dressmakers show enhanced stereoscopic vision. <i>Scientific Reports</i> , 2017, 7, 3435.	1.6	9
32	Functional outcomes following lesions in visual cortex: Implications for plasticity of high-level vision. <i>Neuropsychologia</i> , 2017, 105, 197-214.	0.7	13
33	Learning to see again: biological constraints on cortical plasticity and the implications for sight restoration technologies. <i>Journal of Neural Engineering</i> , 2017, 14, 051003.	1.8	72
34	Learning of active binocular vision in a biomechanical model of the oculomotor system. , 2017, , .		4
35	Repetitive dynamic stereo test improved processing time in young athletes. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 413-421.	0.4	9
36	Unilateral Amblyopia Affects Two Eyes: Fellow Eye Deficits in Amblyopia. , 2017, 58, 1779.		74

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37	The Timing of Brain Maturation, Early Experience, and the Human Social Niche. , 2017, , 123-148.		14
38	Amblyopia. , 2017, , .		1
39	A pragmatic approach to amblyopia diagnosis: evidence into practice. Australasian journal of optometry, The, 2018, 101, 451-459.	0.6	4
40	The functional impact of amblyopia. Australasian journal of optometry, The, 2018, 101, 443-450.	0.6	61
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44	Amblyopia: New molecular/pharmacological and environmental approaches. Visual Neuroscience, 2018, 35, E018.	0.5	30
45	Stereopsis: are we assessing it in enough depth?. Australasian journal of optometry, The, 2018, 101, 485-494.	0.6	46
46	Critical Periods in Cortical Development. , 2018, , 133-151.		7
47	The pursuit of stereopsis. Journal of AAPOS, 2018, 22, 2.e1-2.e5.	0.2	10
48	Parental separation and behaviours that influence the health of infants aged 28 to 32 months: a cross-sectional study. BMC Pediatrics, 2018, 18, 88.	0.7	1
49	Treatment of amblyopia as a function of age. Visual Neuroscience, 2018, 35, E015.	0.5	61
50	Parent-reported outcome measures in amblyopia and strabismus: a systematic review. Australasian journal of optometry, The, 2018, 101, 460-484.	0.6	14
51	The effects of monocular training on binocular functions in anisometric amblyopia. Vision Research, 2018, 152, 74-83.	0.7	23
52	Dichoptic training in adults with amblyopia: Additional stereoacuity gains over monocular training. Vision Research, 2018, 152, 84-90.	0.7	22
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54	An action video game for the treatment of amblyopia in children: A feasibility study. Vision Research, 2018, 148, 1-14.	0.7	65
55	Improving Adult Amblyopic Vision with Stereoscopic 3-Dimensional Video Games. Ophthalmology, 2018, 125, 1660-1662.	2.5	13

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56	A Random Dot Computer Video Game Improves Stereopsis. <i>Optometry and Vision Science</i> , 2018, 95, 523-535.	0.6	30
57	Improved Binocular Outcomes Following Binocular Treatment for Childhood Amblyopia. , 2018, 59, 1221.		58
58	Beyond Rehabilitation of Acuity, Ocular Alignment, and Binocularity in Infantile Strabismus. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 29.	1.2	9
59	Characteristics of Anisometropic Patients with and without Strabismus. <i>Türk Oftalmoloji Dergisi</i> , 2018, 48, 23-26.	0.4	9
60	Critical periods in amblyopia. <i>Visual Neuroscience</i> , 2018, 35, E014.	0.5	168
61	Altered Spontaneous Brain Activity of Children with Unilateral Amblyopia: A Resting State fMRI Study. <i>Neural Plasticity</i> , 2019, 2019, 1-10.	1.0	17
62	Visuomotor Behaviour in Amblyopia: Deficits and Compensatory Adaptations. <i>Neural Plasticity</i> , 2019, 2019, 1-18.	1.0	31
63	Dichoptic De-Masking Learning in Adults With Amblyopia and Its Mechanisms. , 2019, 60, 2968.		11
64	Binocular Summation and Suppression of Contrast Sensitivity in Strabismus, Fusion and Amblyopia. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 234.	1.0	23
65	Enhancing Attentional Control: Lessons from Action Video Games. <i>Neuron</i> , 2019, 104, 147-163.	3.8	112
66	Congenital Nasolacrimal Duct Obstruction and the Visual System. , 2019, , .		0
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68	The Role of Binocularity in Anisometropic Amblyopia. <i>Journal of Binocular Vision and Ocular Motility</i> , 2019, 69, 141-152.	0.5	2
69	Contribution of Short-Time Occlusion of the Amblyopic Eye to a Passive Dichoptic Video Treatment for Amblyopia beyond the Critical Period. <i>Neural Plasticity</i> , 2019, 2019, 1-12.	1.0	19
70	Ocular dominance plasticity: A binocular combination task finds no cumulative effect with repeated patching. <i>Vision Research</i> , 2019, 161, 36-42.	0.7	20
71	From Basic Visual Science to Neurodevelopmental Disorders: The Voyage of Environmental Enrichment-Like Stimulation. <i>Neural Plasticity</i> , 2019, 2019, 1-9.	1.0	17
72	Binocular non-stereoscopic cues can deceive clinical tests of stereopsis. <i>Scientific Reports</i> , 2019, 9, 5789.	1.6	19
73	Gap effect and express saccades generation in amblyopia. <i>Journal of Vision</i> , 2019, 19, 17.	0.1	3

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74	Abnormal Outer Choroidal Vasculature in Amblyopia. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-7.	0.6	11
75	The prevalence and diagnosis of "stereoblindness"™ in adults less than 60 years of age: a best evidence synthesis. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 66-85.	1.0	24
76	Abnormal sensory eye dominance in stereoanomalous subjects. <i>Journal of Vision</i> , 2019, 19, 14.	0.1	4
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79	Childhood Self-perceptions in Children With Amblyopia. <i>JAMA Ophthalmology</i> , 2019, 137, 174.	1.4	0
80	From suppression to stereoacuity: a composite binocular function score for clinical research. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 53-62.	1.0	35
81	Intranasal BDNF administration promotes visual function recovery in adult amblyopic rats. <i>Neuropharmacology</i> , 2019, 145, 114-122.	2.0	15
82	Factors influencing stereopsis in patients with both refractive accommodative esotropia and amblyopia. <i>International Ophthalmology</i> , 2019, 39, 1263-1267.	0.6	6
83	Effect of Primary Occlusion Therapy in Asymmetric, Bilateral Amblyopia. <i>American Journal of Ophthalmology</i> , 2020, 211, 87-93.	1.7	11
84	Transcranial Magnetic Stimulation in Adults With Amblyopia. <i>Journal of Neuro-Ophthalmology</i> , 2020, 40, 185-192.	0.4	18
85	Rethinking amblyopia 2020. <i>Vision Research</i> , 2020, 176, 118-129.	0.7	75
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90	A dichoptic feedback-based oculomotor training method to manipulate interocular alignment. <i>Scientific Reports</i> , 2020, 10, 15634.	1.6	4
91	Evaluation of a Virtual Reality implementation of a binocular imbalance test. <i>PLoS ONE</i> , 2020, 15, e0238047.	1.1	13

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93	A New Dichoptic Training Strategy Leads to Better Cooperation Between the Two Eyes in Amblyopia. <i>Frontiers in Neuroscience</i> , 2020, 14, 593119.	1.4	4
94	Impact of Amblyopia on the Central Nervous System. <i>Journal of Binocular Vision and Ocular Motility</i> , 2020, 70, 182-192.	0.5	4
95	No Benefit of a Pediatric Screening in Discovering Reduced Visual Acuity in Children: Experiences from a Cross-Sectional Study in Germany. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3419.	1.2	3
96	Active efficient coding explains the development of binocular vision and its failure in amblyopia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6156-6162.	3.3	21
97	Video games as rich environments to foster brain plasticity. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020, 168, 117-136.	1.0	16
98	Effects of simulated anisometropia and aniseikonia on stereopsis. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 323-332.	1.0	20
99	Optimal Stereoacuity Reveals More Than Critical Time in Patients With Intermittent Exotropia. <i>Frontiers in Neuroscience</i> , 2020, 14, 133.	1.4	4
100	The Timing of Brain Maturation, Early Experience, and the Human Social Niche. , 2020, , 815-843.		6
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111	Analysis of the potential impact of strabismus with and without amblyopia on visual-perceptual and visual-motor skills evaluated using TVPS-3 and VMI-6 tests. <i>Journal of Optometry</i> , 2021, 14, 166-175.	0.7	8
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117	The relationship between reflex eye realignment and the percept of single vision in young children. <i>Scientific Reports</i> , 2021, 11, 375.	1.6	2
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120	Egocentric Distance Perception Disorder in Amblyopia. <i>Psychologica Belgica</i> , 2021, 61, 173-185.	1.0	2
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122	Cortical Activity at Baseline and During Light Stimulation in Patients With Strabismus and Amblyopia. <i>IEEE Access</i> , 2021, 9, 22430-22446.	2.6	11
123	Microsecond interaural time difference discrimination restored by cochlear implants after neonatal deafness. <i>ELife</i> , 2021, 10, .	2.8	20
124	Comparison between binocular therapy and patching for treatment of amblyopia: a meta-analysis of randomised controlled trials. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000625.	0.8	3
125	Repetitive visual cortex transcranial random noise stimulation in adults with amblyopia. <i>Scientific Reports</i> , 2021, 11, 3029.	1.6	13
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128	Effect of physiological aging on binocular vision. <i>PsyCh Journal</i> , 2021, 10, 340-351.	0.5	2



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130	A Randomized Clinical Trial Comparing Eyetronix Flicker Glass and Patching for Treatment of Amblyopia in Children Reveals Similar Improvements in Vision. <i>Frontiers in Neuroscience</i> , 2021, 15, 622729.	1.4	7
131	Neural markers of suppression in impaired binocular vision. <i>NeuroImage</i> , 2021, 230, 117780.	2.1	8
133	Reduced evoked activity and cortical oscillations are correlated with anisometric amblyopia and impairment of visual acuity. <i>Scientific Reports</i> , 2021, 11, 8310.	1.6	1
134	Topical Review: Assessment of Binocular Sensory Processes in Low Vision. <i>Optometry and Vision Science</i> , 2021, 98, 310-325.	0.6	5
135	Profile of vision function amongst learners with low vision attending inclusive schools in Kakamega County, Kenya. <i>African Vision and Eye Health</i> , 2021, 80, .	0.1	0
136	The effect of induced monocular blur by bangerter filters on measures of visual acuity and stereoacuity. <i>Strabismus</i> , 2021, 29, 74-80.	0.4	3
137	Scaffolding depth cues and perceptual learning in VR to train stereovision: a proof of concept pilot study. <i>Scientific Reports</i> , 2021, 11, 10129.	1.6	12
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140	Changes in the Brain Activity and Visual Performance of Patients with Strabismus and Amblyopia after a Complete Cycle of Light Therapy. <i>Brain Sciences</i> , 2021, 11, 657.	1.1	6
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144	Health-related quality of life and anxiety associated with childhood intermittent exotropia before and after surgical correction. <i>BMC Ophthalmology</i> , 2021, 21, 270.	0.6	7
145	A Review of Driving and Binocularity. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2021, , 1-7.	0.3	3
146	Results of Using Alternating Presentation of Stereostimuli in Children with Functional Scotoma in Non-Paralytic Strabismus. <i>Oftalmologiya</i> , 2021, 18, 309-316.	0.2	0
147	An Evaluation of the Agreement Between a Computerized Stereoscopic Game Test and the TNO Stereoacuity Test. <i>Clinical Optometry</i> , 2021, Volume 13, 181-190.	0.4	3

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160	Intact Visuospatial Cognition in Amblyopia: Results From the Gutenberg Health Study. Journal of Pediatric Ophthalmology and Strabismus, 2019, 56, 397-401.	0.3	1
161	Simplified updates on the pathophysiology and recent developments in the treatment of amblyopia: A review. Indian Journal of Ophthalmology, 2019, 67, 1392.	0.5	27
162	Homeostatic regulation of perisynaptic matrix metalloproteinase 9 (MMP9) activity in the amblyopic visual cortex. ELife, 2019, 8, .	2.8	17
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166	Cognitive processing of orientation discrimination in anisometric amblyopia. PLoS ONE, 2017, 12, e0186221.	1.1	6
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179	Stereoacuity after Successful Occlusion Therapy in Children with Anisometropic Amblyopia. Journal of Korean Ophthalmological Society, 2021, 62, 1539-1546.	0.0	0
180	Rehabilitation of visual functions in adult amblyopic patients with a virtual reality videogame: a case series. Virtual Reality, 2023, 27, 385-396.	4.1	8
181	Awareness in the general population about binocular single vision and its importance. MGM Journal of Medical Sciences, 2021, 8, 370.	0.1	0
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187	Exogenous attention generalizes location transfer of perceptual learning in adults with amblyopia. IScience, 2022, 25, 103839.	1.9	8
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