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Supplemental information

Binocular visual deficits at mid to high spatial frequency in treated amblyopes

Shijia Chen, Seung Hyun Min, Ziyun Cheng, Yue Xiong, Xi Yu, Lili Wei, Yu Mao, Robert F. Hess, and Jiawei Zhou

Table S1. [P-values (with Bonferroni correction) and effect sizes (Cohen's d) for each pairwise comparison], related to Figure 3 and Figure 5", "Table S2. [Clinical details of the treated amblyopes], related to STAR Methods.

Table S1. P-values (with Bonferroni correction) and effect sizes (Cohen's d) for each pairwise comparison

Objective	Experiment	Spatial frequency (c/d)	p value	Cohen's d
Treated amblyopes	Experiment 1: logBP	0.5 vs 1	< 0.001	1.77
		0.5 vs 2	< 0.001	3.75
		0.5 vs 4	< 0.001	5.26
		0.5 vs 8	< 0.001	5.39
	Experiment 2: visibility- matched logBP	0.5 vs 1	1.000	0.43
Treated amblyopes		0.5 vs 2	0.293	1.94
		0.5 vs 4	0.004	5.98
		0.5 vs 8	0.001	7.04

Table S2. Clinical details of the treated amblyopes.

Subject	Age/Sex	Туре	Refraction OD/OS	VA (logMAR) OD/OS	Strabismus (pd)	RDS (arc seconds)	History
A1	19/F	Aniso	+0.50DS/- 0.50DC*180 -2.75DS/- 0.50DC*180	0.10	Ø	400	Detected at 9 years old, glasses and patching since after, normal at 10 years old
A2	22/M	Aniso	+0.25DS/- 1.25DC*70 -0.75DS/- 0.75DC*180	0.08	Ø	200	Detected at 16 years old, glasses since after, received laser surgery at 17 years old, normal at 18 years old
А3	20/F	Aniso	+1.00DS/- 0.25DC*132 -3.25DS/- 0.25DC*135	0 -0.06	Ø	400	Detected at 5 years old, glasses and patching since after, normal at 7 years old
A4	20/F	Aniso	+7.50DS/- 2.50DC*175 +0.25DS/- 0.50DC*160	0 -0.10	Ø	400	Detected at 4 years old, glasses and patching since after, normal at 6 years old

A5	19/M	Aniso	+5.00DS/- 1.25DC*180 plano	0.08	Ø	400	Detected at 12 years old, glasses, patching, bead-threading and red filter treatment since after, normal at 13 years old
A6	32/F	Aniso	+2.25DS/- 2.00DC*180 plano	0.10 0	Ø	400	Detected at 8 years old, glasses since after, normal at 10 years old
A7	22/F	Aniso	-6.75DS/- 0.50DC*85 -5.50DS/- 1.50DC*170	0.1 -0.1	Ø	200	Detected at 13 years old, patching since after, normal at 14 years old
A8	25/F	Aniso	+4.00DS/- 2.50DC*5 -1.50DS/- 2.00DC*165	0.1 0	Ø	400	Detected at 9 years old, glasses, patching and bead-threading since after, normal at 12 years old
A9	27/M	Aniso	+2.25DS/- 4.755DC*180 -4.00DS/- 1.00DC*170	0 0	Ø	200	Detected at 15 years old, glasses since after, normal at 17 years old
A10	20/F	Mixed	-1.5DS/- 4.50DC*180 +1.00DS/- 6.50DC*175	0 0	Ø	200	Detected at 10 years old, strabismus surgery at 10 years old, patching, normal at 20 years old

VA, vision acuity; OD, right eye; OS, left eye; Anis, anisometropia; Mixed: strabismus + anisometropia; RDS, randot stereoacuity; *, axial astigmatism. (i) Participants' best spectacle-corrected visual acuity was measured on the basis of the ETDRS at 4 m; (ii) all subjects accepted treatment immediately after diagnosis.