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SPECIAL COLLECTION

Amblyopia: Challenges and Opportunities
The Lasker/IRRF Initiative for Innovation in Vision Science

Appendix 4–Abbreviations

AMPA – α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid
ARC – anomalous retinal correspondence
BMI – binocular motion integration
BPEDS – Baltimore Pediatric Eye Study
CAM – Cambridge Vision Stimulator
CS – contrast sensitivity
EE – environmental enrichment
EEG – electroencephalography
FDA – US Food and Drug Administration
fMRI – functional magnetic resonance imaging
GABA – gamma-aminobutyric acid
HDAC – histone deacetylase inhibitor
HOTV – Pediatric eye chart in which only four letters are offered, and a child is allowed to match the letters with a card held in the lap
LEA – chart designed with symbols of a circle, square, apple, and house so that each symbol measures visual acuity similarly; designed for young children who do not know how to read letters
LogMAR – Logarithm of the Minimum Angle of Resolution chart designed to enable a more accurate estimate of acuity as compared to other charts
LGN – lateral geniculate nucleus
MD – monocular deprivation
MFBF – monocular fixation in a binocular field
MT – region of the visual cortex (also called V5)
MEPEDS – Multi-ethnic Pediatric Eye Disease Study Group
NHP – non-human primates
NMDA – N-methyl-D-aspartate
OD – ocular dominance
PSD-95 – excitatory post-synaptic density protein
PEDIG – The Pediatric Eye Disease Investigator Group
PVS – pediatric vision scanner
RCTs – randomized clinical trials
SSRI – selective serotonin reuptake inhibitor
SSVEP – steady state visually evoked potential
tDCS – transcranial direct current stimulation
TMS – transcranial magnetic stimulation
V1, V2, V3, V4, V5, etc. – regions of the visual cortex
VEP – visual evoked potential
VIP – vasoactive intestinal peptide
VIP-HIP – Vision in Preschoolers-Hyperopia in Preschoolers Study
VPA – valproate

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