

Review of Standards for Visual Field Perimetry Devices and Their Use in Disability Evaluations

Committee

Roger J. Lewis

Chair

Dr. Lewis is a Professor of Emergency Medicine at the David Geffen School of Medicine at UCLA and a Senior Medical Scientist at Berry Consultants, LLC, a group that specializes in innovative clinical trial design. Dr. Lewis is the senior statistical editor for JAMA and editor of the JAMA series entitled “JAMA Guides to Statistics and Methods.” His expertise centers on adaptive and Bayesian clinical trials, including platform trials; general clinical research methodology; data and safety monitoring boards, and the oversight of clinical trials. Dr. Lewis was formerly the Chair of the Department of Emergency Medicine at Harbor-UCLA Medical Center and a Senior Physician in the Los Angeles County Department of Health Services. He has authored or coauthored over 270 original research publications, reviews, editorials, and chapters. Dr. Lewis is a Past President of the Society for Academic Emergency Medicine (SAEM) and served on the Board of Directors for the Society for Clinical Trials. He is a fellow of the American Statistical Association and the Society for Clinical Trials. Dr. Lewis is an active member of the National Academy of Medicine.

Robert Chun

Member

Dr. Robert Chun is an Associate Clinical Professor at the State University of New York (SUNY) College of Optometry. He has been a low vision specialist and clinician educator since 2012. Dr. Chun has been devoted to understanding the functional aspects of vision loss experienced by those affected by Retinitis Pigmentosa and Stargardt disease. Currently, his studies seek to advance our understanding of how and when various aspects of functional endpoints are affected by disease progression among those living with low vision. Dr. Chun has served as a co-investigator and collaborator in NEI-funded studies involving low vision technologies. He is a Fellow of the American Academy of Optometry. Outside of teaching in the classroom, clinic, and research lab, Dr. Chun has extensive experience working with visually impaired athletes through his role as a vision impairment classifier for the International Paralympic Committee.

Stuart Gardiner

Member

Dr. Gardiner is a Senior Scientist at Devers Eye Institute in Portland, Oregon. His primary research involves developing, evaluating, and learning from, advances in diagnostic testing for glaucoma: for disease detection, assessing and predicting the rate of disease progression, and uncovering the underlying pathophysiological processes. In particular, he has focused on functional testing of the visual field using automated perimetry; blood flow within the retina and optic nerve; and structural evaluation of the optic nerve head. He has been continuously funded as a Principal Investigator by the National Eye Institute since 2011, with grants related to functional testing and retinal blood flow. He is a gold fellow of the Association for Research in Vision and Ophthalmology. Dr. Gardiner served as a compensated advisor to Haag-Streit at a one-time meeting in July 2024.

Eve J. Higginbotham

Member

Dr. Eve Higginbotham is a Professor of Ophthalmology and Senior Fellow at the Leonard Davis Institute for Health Economics. She has also served for a decade (2013-2024) as the inaugural Vice Dean for Inclusion, Diversity, and Equity, at the University of Pennsylvania. Dr. Higginbotham holds degrees in chemical engineering, medicine, and law. She continues to publish on topics in the fields of ophthalmology, organizational culture, health policy, and health equity. Dr. Higginbotham is an elected and active member of the National Academy of Medicine. She recently completed a six year term (2018-24) as a member of the NAM Council, during which she chaired the NAM Finance Committee and the NAS Investment Committee. Dr. Higginbotham has served as an uncompensated ad hoc member of the FDA Ophthalmic Devices Panel and as an uncompensated board member for Massachusetts Eye and Ear.

Tianjing Li

Member

Dr. Tianjing Li is a Professor of Ophthalmology and Epidemiology at University of Colorado Anschutz Medical Campus. The primary focus of Dr. Li's research is to develop, evaluate, and disseminate rigorous methods for comparing healthcare interventions and to provide trustworthy evidence for decision-making. She has garnered an international reputation as a leader in comparative effectiveness research (clinical trials, systematic review, network meta-analysis) and patient-centered outcomes research. She has extensive experience in applying these methods in ophthalmology and optometry. Dr. Li serves as a Co-Editor-in-Chief for the journal *Trials*, a methodological editor for *Annals of Internal Medicine*, the Reviews Editor for *JAMA Ophthalmology*, an Associate Scientific Editor for the 2nd edition of the *Cochrane Handbook for Systematic Reviews of Interventions*, a Section Editor for book *Principles and Practice of Clinical Trials*, an Author and Editor for *Textbook of Epidemiology* (2nd edition). She is elected fellow of the Society for Research Synthesis Methodology and served as the Society's President from 2022 to 2023. Dr. Li has served on two previous NASEM committees.

Julius Oatts

Member

Dr. Julius Oatts is as Associate Professor and Associate Residency Program Director in the Department of Ophthalmology at University of California, San Francisco (UCSF). He created and led the childhood glaucoma clinic at UCSF and has clinical expertise in the medical and surgical management of childhood glaucoma. His research expertise includes childhood vision screening for preventable vision loss and evaluating new diagnostic technologies in pediatric ophthalmology. He is a member of the American Association of Pediatric Ophthalmology and Strabismus (AAPOS), the American Glaucoma Society, the American Academy of Ophthalmology, and North American Pediatric Glaucoma Society. He serves as Vice Chair of the AAPOS Professional Education Committee and Technology Committee.

Eric L. Singman

Member

Eric Singman is a Professor of Ophthalmology and Visual Sciences and a Professor of Neurology at the University of Maryland School of Medicine. He is a board-certified ophthalmologist with fellowship training in neuro-ophthalmology. Before joining UMD, he founded and directed the Wilmer Clinic for Vision Concerns after Traumatic Brain Injury and co-founded the Wilmer Genetic Eye Disease Center at The Johns Hopkins Hospital. Dr. Singman's research interests have focused on optimization of delivery of eye care, the impact of brain injury on vision, and the visual sequelae of Ehler's Danlos Syndrome. Dr. Singman is a Fellow of the Royal Society of Medicine of the United Kingdom and a member of the North American Neuro-ophthalmology Society, the American Academy of Ophthalmology, and the American Military Surgeons of the United States. Dr. Singman consults as a district medical adviser for the U.S. Department of Labor Federal Occupational Health in evaluating visual system disability claim reports for federal employees with work-related injuries. He also serves as a medical consulting expert in litigation involving issues related to traumatic brain injury and visual impairments. Dr. Singman was on the medical advisory panel of BravoVictor (the blind veterans' foundation for the United Kingdom and United States) from 2022-2024 and on the board for Luminopia (which produces a VR headset that treats children with amblyopia) in 2022. He also served as a one-time compensated subject matter expert for Baxter International/Welch Allyn in 2023.