

Helen Abdelmalak-Boerman, OD, FAAO

Wang Vision Institute, Palmer Plaza, 1801 West End Ave, Ste 1150, Nashville, TN 37203
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EDUCATION

RESIDENCY IN REFRACTIVE AND OCULAR SURGERY

Wang Vision Institute, Nashville, TN, and Indiana University School of Optometry –June 2004

DOCTOR OF OPTOMETRY

State University of New York, College of Optometry, New York, NY – June 2003

BACHELOR OF SCIENCE IN ANIMAL PHYSIOLOGY AND NEUROSCIENCE

MINOR IN PSYCHOLOGY

University of California, San Diego – June 1999

PROFESSIONAL CLINICAL EXPERIENCE

WANG VISION INSTITUTE **NASHVILLE, TN** **7/03-PRESENT**
Clinical Operations Manager, Co-management Director, Residency Supervisor, Staff Optometrist.
Consultations and post-operative care for refractive and corneal surgery patients, including LASIK, PRK, ICLs, Intralase-Intacs, CK, PTK, artificial cornea implantation, penetrating keratoplasty.

SUNY UNIVERSITY OPTOMETRIC CENTER **NEW YORK, NY** **8/01-9/02**
Clinical rotations in Primary Care, Ocular Disease, Low Vision, Pediatrics, Vision Therapy, Learning Disabilities Unit, Children/Adults with Special Needs, Dispensing, and school screenings.

SEGUNDO RUIZ BELVIS DIAGNOSTIC AND TREATMENT CENTER **BRONX, NY** **9/02-12/02**
Primary eye care in a community healthcare facility. Emphasis on diagnosis, treatment, and management of anterior and posterior segment conditions. Most exams conducted in Spanish.

SUNY UNIVERSITY OPTOMETRIC CENTER **NEW YORK, NY** **SPRING 2003**
EXTERNSHIP IN PEDIATRICS AND VISION THERAPY
Comprehensive pediatric examinations including binocular and accommodative assessment. Planning and execution of vision therapy programs for strabismic, accommodative, binocular, and perceptual dysfunctions.

LA JOLLA VISION DEVELOPMENT CENTER **LA JOLLA, CA** **6/97-6/99**
VISION THERAPY INTERNSHIP
Vision training of patients and assistance in VT evaluations. Academic credit given by UCSD for completion of independent research project on the effects of VT on reading efficiency in children via the Visagraph II system.

TEACHING EXPERIENCE

ADJUNCT INSTRUCTOR, INDIANA UNIVERSITY SCHOOL OF OPTOMETRY, BLOOMINGTON, IN.
Coordinator of refractive and ocular surgery residency program. 7/03-PRESENT

COURSE INSTRUCTOR, WANG VISION INSTITUTE. Quarterly continuing education courses given for area optometrists and ophthalmic technicians. 7/03-PRESENT.

COURSE TUTOR/METHODS LAB ASSISTANT, SUNY COLLEGE OF OPTOMETRY. Didactic course tutoring and clinical training of optometric techniques. 12/01-6/02

PUBLICATIONS

Wang, MX, Boerman, H. Considering Possible Deleterious Interactions Between Different Refractive Treatments. *Cataract and Refractive Surgery Today Europe*. July/August 2008, pp. 1-4.

Boerman H, Swartz T, Wang MX. Monovision Correction with Refractive Surgery. *Cataract and Refractive Surgery Today*. February 2006, pp. 24-29.

Abdelmalak H, Swartz T, Wang MX. Pediatric Refractive Surgery. *Cataract and Refractive Surgery Today*. June 2004, pp. 21-23.

TEXTBOOK CHAPTERS

Decentered Ablation. Helen Boerman, OD, Tracy Swartz, OD, MS, Ming Wang, MD, PhD. *Refractive Surgery Disasters*. Amar Agarwal, Editor, 2006.

Anatomy of the Cornea. Keming Yu, MD, PhD, Tracy Swartz, OD, MS, Helen Boerman, OD, Ming X. Wang, MD, PhD. *Corneal topography: A Guide for Clinical Application in the Wavefront Era*, Ming Wang, Editor. Slack, Inc, 2006 (in press)

LECTURES

Intraocular Lens Options. Wang Vision Institute Technician Continuing Education Event, September 2008.

Anterior Segment Grand Rounds. Wang Vision Institute 8 hour Optometry Continuing Education Event, July 2008.

Ocular Drug Update. Wang Vision Institute 6 hour Optometry Continuing Education Event, Jan 2008.

Anterior Segment Surgery Update. Indiana University Case Conference, Jan 2008.

Irregular Astigmatism. Wang Vision Institute 5 hour Optometry Continuing Education Event, April 2007.

Lasers and the Anterior Segment. Wang Vision Institute 8 hour Optometry Continuing Education Event, March 2006.

Monovision: An Option for Baby Boomers. Wang Vision Institute Opticianry Continuing Education Event, March 2006.

Optical Feud. Wang Vision Institute Opticianry Continuing Education Event, March 2006.

Professional Update. Wang Vision Institute Opticianry Continuing Education Event, March 2006.

Optical Jeopardy. Wang Vision Institute Opticianry Continuing Education Event, March 2006.

Irregular Astigmatism. Wang Vision Institute Winter CE Conference, December 2005.

Clinical Co-management of the Refractive Surgery Patient. Wang Vision Institute Fall CE Conference, October 2005.

Alphacor Artificial Cornea Implantation: Alternative for Poor Prognosis Penetrating Keratoplasty. Invited speaker, Indiana University School of Optometry Winter Conference, December, 2004.

Clinical Co-management of the Refractive Surgery Patient. Wang Vision Institute Spring CE Conference, February 2004.

Idiopathic Intracranial Hypertension: Diagnosis and Management of Pseudotumor Cerebri, Segundo Ruis Belvis Diagnostic and Treatment Center Conference, Bronx, New York, October 2002.

Retinal Macroaneurysms: A Case Study, Summer Conference SUNY College of Optometry, New York, NY, August 2002.

The Truth About Hormones: What Women Need to Know About Hormone Replacement Therapy, Summer Conference, SUNY College of Optometry, New York, NY, July 2002.

PRESENTATIONS AT SCIENTIFIC MEETINGS

Swartz T, Boerman H, Hill S. *Management of Angle Closure Glaucoma Following Visian Lens Implantation*. Poster, American Academy of Optometry, Anaheim, CA, Oct 2008.

Swartz T, Boerman H, Hill S. *Ocular Response Analysis Results Following Unsatisfactory LASIK*. Poster, American Academy of Optometry, Anaheim, CA, Oct 2008.

Boerman H, Swartz T, Hill S. *Breakthrough Keratitis Following PRK*. Poster, Congress of the American Optometric Association, Seattle, WA, June 2008.

Boerman H, Hill S, Swartz T. *INTACS/Femtosecond Laser Surgery Combined with Conductive Keratoplasty: An Alternative to Penetrating Keratoplasty for Severe Keratoconus*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2008.

Hill S, Boerman H, Swartz T, Wang M. *Intacs/Femtosecond laser surgery combined with conductive keratoplasty for severe keratoconus*. Poster, Global Keratoconus Congress, Las Vegas, Jan 2008.

Boerman H, Swartz T, Hill S, Wang MX. *Intacs/Femtosecond Laser Surgery Combined with Conductive Keratoplasty: An Alternative to Penetrating Keratoplasty for Severe Keratoconus*. Poster, American Academy of Optometry, Tampa, FL, Oct 2007.

Boerman H, Swartz T, Wang, MX. *Sutureless Pterygium Excision: Less Pain, Less Recurrence*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2007.

Swartz T, Boerman H. *Management of Ectasia S/P Radial Keratotomy*. Poster, American Academy of Optometry, Denver, CO, Dec 2006.

Hill S, Swartz T, Boerman H. *Hexagonal Keratotomy*. Poster, American Academy of Optometry, Denver, CO, Dec 2006.

Hill S, Swartz T, Boerman H. *CRT Modified Host Response to Microbial Infection*. Poster, American Academy of Optometry, Denver, CO, Dec 2006.

Boerman H, Swartz T, Wang, MX. *Surgical Correction of Presbyopia: Conductive Keratoplasty & LASIK*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2006.

Boerman H, Swartz T, Wang, MX. *Epithelial Ingrowth: Clinical Pearls for Prevention, Detection & Management*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2006.

Boerman H, Swartz T, Wang, MX. *Irregular Astigmatism: definition, classification, topographic and clinical presentation*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2006.

Hill S, Boerman, H, Swartz T, Wang, MX. *Increased Incidence of Epithelial Ingrowth in Flap Relifts versus Flap Recuts*. Poster, American Academy of Optometry, San Diego, CA, Dec 2005.

Panchal L, Boerman H, Swartz T, Wang, MX. *Comparison of surgical and visual outcomes in patients with single versus double Intacs corneal ring segments*. Poster, American Academy of Optometry, San Diego, CA, Dec 2005.

Abdelmalak H, Swartz, T, Wang MX. *Artificial Cornea Implantation: Alternative for Poor Prognosis Penetrating Keratoplasty*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2005.

Abdelmalak H, Swartz T, Wang MX. *Laser-Intacs Surgery for GP Intolerant Keratoconus*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2005.

Swartz T, Abdelmalak, H, Wang MX. *"Pseudoectasia" in a Post-Refractive Patient*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2005.

Abdelmalak H, Swartz T, Wang MX. *INTACS/FEMTOSECOND LASER SURGERY: A New Option for Keratoconus*. Poster, American Academy of Optometry, Tampa, FL, Dec 2004.

Abdelmalak H, Wang MX, and Swartz T. *Topographic and keratometric predictors of visual function in decentered ablations and FFKC*. Poster, American Society of Cataract & Refractive Surgery Symposium, San Diego, CA, May 2004.

Abdelmalak H, Swartz T, Wang MX. *Corneal Topography and Wavefront Aberrometry: Clinical Predictors of Visual Performance*. Multimedia presentation, SECO International, Atlanta, GA, Feb 2004.

ACADEMIC AND PROFESSIONAL AFFILIATIONS

Panel Member, Peer Literature Review Board, *Cataract and Refractive Surgery Today*
Adjunct Faculty, Indiana University School of Optometry
Fellow, American Academy of Optometry
Member, Tennessee Optometric Association
Member, Middle Tennessee Optometric Society

SPECIAL RECOGNITION

Dr. Louis Hermann Memorial Award for Outstanding Compassion in Patient Care, 6/03
Dr. Max Cohen Memorial Award for Volunteer Commitment to Community Service, 6/03
Chancellor's Award for Student Excellence, 6/03
Robert E. Bannon Memorial Scholarship for Dedication to Community Service, 10/02
The Foundation for the Humanities Merit Scholarship, 6/02
Dean's List, SUNY College of Optometry, 1999-2003
Golden Key National Honor Society, 1999-2003