

## CURRICULUM VITAE

### MARC ALAN MICHELSON, M.D.

[Michelson Laser Vision](#) and [Alabama Eye & Cataract Center](#)

[1201 11th Ave S #501, Birmingham, AL 35205](#)

(205) 969-8100

**OFFICE ADDRESS:** Alabama Eye & Cataract Center, P.C.  
1201 11<sup>th</sup> Ave South  
Suite 501  
Birmingham, Alabama 35205

Michelson Laser Vision, Inc.  
1201 11<sup>th</sup> Ave South  
Suite 501  
Birmingham, Alabama 35205

### **EDUCATIONAL BACKGROUND**

1970	Tulane University, New Orleans, Louisiana B.S. Biology/Chemistry
1972	Tulane University, New Orleans, Louisiana M.S. Biology / Parasitology
1975	University of Alabama School of Medicine, Birmingham, Alabama, M.D.

### **MEDICAL TRAINING**

1975-1976	Internship in Internal Medicine, University Hospital, University of Alabama Medical Center, Birmingham, Alabama
1976-1979	Ophthalmology Residency / Chief Resident, Eye Foundation Hospital - University of Alabama in Birmingham, Alabama
1979-1980	Fellowship: Cornea and External Diseases, Wills Eye Hospital, Philadelphia, Pennsylvania Supervisor: Dr. Peter Laibson

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## **CERTIFICATION**

Diplomat, American Board of Ophthalmology, 1980

## **MEDICAL LICENSURE**

1975 State of Alabama

## **ACADEMIC APPOINTMENTS**

2010-2013	Director Cornea Service Department of Ophthalmology University of Alabama in Birmingham School of Medicine, Birmingham, Alabama
2003	Clinical Associate Professor in Ophthalmology University of Alabama in Birmingham School of Medicine, Birmingham, Alabama
1982	Clinical Assistant Professor in Ophthalmology University of Alabama in Birmingham School of Medicine, Birmingham, Alabama
1981	Clinical Instructor in Ophthalmology University of Alabama in Birmingham School of Medicine, Birmingham, Alabama

## **REFRACTIVE SURGERY**

President, Michelson Laser Vision, Inc. 1999

Medical Director, Carraway Refractive Laser Center 1995-1999

Appointed the 5<sup>th</sup> Clinical Investigator in U.S. - Summit Excimer Laser  
1988

1989: Principal Clinical Investigator for Partial Excimer  
Trabeculectomy Clinical Trials

1991: Principal Clinical Investigator for Low Fluence Myopia  
(-2.00 - 8.00) IDEG880210

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1993: Principal Clinical Investigator for Mask Hyperopic Study  
(+1:00 - + 4.00) IDEG900142

1995: Principal Clinical Investigator for High Myopia Excimer Laser  
Study (-6.00 to - 22.00) Lasik vs. Multizone PRK: IDE G890201

First surgeon to perform Excimer Photorefractive Keratectomy in  
Alabama 1991

First surgeon to perform Automated Lamellar Keratectomy in Alabama  
July 1994

First Surgeon to perform LASIK in Alabama 1995

First Surgeon to perform Epi-LASIK in Alabama 2003

First Surgeon to perform Visian ICL in Alabama 2006

Clinical Instructor in LASIK for Moria Microkeratome System

Clinical Investigator, Paradigm Laser Phaco 1998

### **AFFILIATIONS**

President, Michelson Laser Vision, Inc.  
1201 11<sup>th</sup> Ave South, Suite 501  
UAB Highlands  
Birmingham, Alabama 35205  
1999 to present

President, Alabama Eye & Cataract Center, P.C.  
1201 11<sup>th</sup> Ave. South, Suite 501  
UAB Highlands Medical Center  
Birmingham, Alabama 35205  
1999 to present

Chairman, Department of Ophthalmology  
Norwood Clinic and Carraway Methodist Medical Center, Birmingham,  
Alabama 1985-1999

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Department of Ophthalmology, Norwood Clinic, Birmingham, Alabama, 1980-1999

Medical Director, Carraway Refractive Laser Center 1995-1999

Birmingham Outpatient Surgery Center, Birmingham, Alabama

UAB Highlands, Birmingham, Alabama

Callahan Eye Foundation Hospital, Birmingham, Alabama

Staff Ophthalmologist, Veterans Administration Hospital, Birmingham, Alabama

Active Staff Member, University of Alabama Hospital Medical and Dental Staff, Department of Ophthalmology, Birmingham, Alabama

### HONORS

Named Ocular Surgery News Premier Surgeon 300 Innovators in Refractive Cataract Surgery in the United States, 04/15/2016

Guest of Honor, New England Ophthalmological Society. Boston, Ma. 2013

Named to "Best Doctors in America", 1994 - 2019

Who's Who in Healthcare, Birmingham's Top Healthcare Pioneers, Practitioners, and Entrepreneurs. Birmingham Business Journal, Oct. 11, 2002 , 2007, & 2009

Who's Who in Birmingham, 1992

### AWARDS

***"Chosen as one of the 10 best papers from the major anterior segment specialty meetings"***

Corneal Wavefront Aberrations and Pseudoaccommodation With Aspheric Monofocal IOLs, Rory A. Myer, Marc A. Michelson The Joint Meeting of the American Academy of Ophthalmology and the Asia-Pacific Academy of Ophthalmology, November 10-13, 2012. McCormick Place in Chicago, Illinois

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#### ***“Best Poster in Refractive Surgery”***

Awarded Best Poster in: The Refractive Surgery Section. American Academy of Ophthalmology Annual Meeting, Rory A. Myer, Gerald McGwin, Marc A. Michelson, Associations Between Corneal Wavefront Aberrations and Pseudoaccommodation with Aspheric Monofocal IOLs, Poster 188, American Academy of Ophthalmology, Orlando, FL, Oct 22-25, 2011

#### ***“Best Paper of Session Award”***

Corneal Wavefront Aberrations and Pseudoaccommodation With Aspheric Monofocal IOLs, Rory A. Myer, Marc A. Michelson. American Society of Cataract and Refractive Surgery, Chicago, IL, April 20-24, 2012.

#### ***“Best Paper of Session Award”***

Corneal Higher-Order Aberrations and Visual Dysfunction With Multifocal IOLs, Marc A. Michelson, Rory A. Myer. American Society of Cataract and Refractive Surgery, Chicago, IL, April 20-24, 2012.

#### ***“Best Paper of Session Award”***

Aspheric IOLs and Pseudoaccommodation: Effect of Negative Spherical Aberration on Depth of Focus in Pseudoaccommodation. American Society of Cataract and Refractive Surgery, Chicago, IL, April 5-9, 2008

Honor Senior Achievement Award, American Academy of Ophthalmology. 2012

Fellowship Award, Society of Excellence in Eyecare, 2002

Honor Achievement Award, American Academy of Ophthalmology, 1998

#### **FILM**

Coordinated and produced the first North American production and filming of cataract surgery in High Definition 3-D video (Sony & Kabi-

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Pharmacia), 1992 & 1993. Videos shown at ESCRS 1992, 1993; ASCRS 1993, 1994. Presented in Paris, Houston, Salzburg, Lisbon, Tokyo, and Hong Kong.

Telly Award for the production of the Medical Movie: "The Pseudo-Posterior Capsule", 1993

Crystal Quill Award for the production of the Medical Movie: "The Pseudo-Posterior Capsule", 1992

Film Festival Judge, American Society of Cataract and Refractive Surgery, 2006, 2007, 2008

Chief Judge, Film Festival, ASCRS, 2007

### **ASSOCIATIONS**

American Academy of Ophthalmology

American Society of Cataract and Refractive Surgery

Society for Excellence in Eyecare (SEE)

Board of Directors, Society for Excellence (SEE): 2004, 2005, 2006, 2007, 2008, 2009

The Royal Society of Medicine

Castroviejo Society - Associate Member

American Medical Society

Jefferson County Medical Society

Alabama Academy of Ophthalmology

International Association for Training and Research in Ophthalmologic Surgery

International Society of Refractive Surgery

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International Society of Refractive Keratoplasty

Government Relations Committee, American Society of Cataract and Refractive Surgery 1992 -1998 and 2006 – present

Board of Councilors, American Academy of Ophthalmology 1998 - 1999

Ophthalmic Advisory Board, HealthSouth 1999 - 2003

### RESEARCH, PUBLICATIONS, AND PRESENTATIONS

Marc Michelson MD, Intraocular Lens Exchange With an Open Posterior capsule, **Phacoemulsification and Intraocular Lens Implantation: Mastering Techniques and Complications in Cataract Surgery, 2<sup>nd</sup> Edition.** Thieme, Editor William J Fishkind, New York, pp 257-260. 2016.

Jewel Sandy MD, Tyler Hall MD, Marc Michelson MD, Management of Dysphotopsia following Cataract Surgery. Investigative Ophthalmology & Visual Science. Vol 56, Issue 7, 652. 2015.

Jewel Sandy MD, Tyler Hall MD, Marc Michelson MD, Management of Negative Dysphotopsia following Cataract Surgery. UAB Department of Ophthalmology Annual Clinical & Research Symposium, May 30, 2014. (Accepted for Poster Presentation by the American Academy of Ophthalmology, Chicago, 2014.)

Rushil Rao MD MBA, Tyler Hall MD, Marc Michelson MD, The 2 mm EKR Method for IOL Power Calculation after Myopic Laser Vision Correction. UAB Department of Ophthalmology Annual Clinical & Research Symposium, May 30, 2014

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Richard Arceneaux MD, Bobby Foster BS, Tyler Hall MD, Gerald McGwin PhD, Carrie Huisinh MPH, Marc Michelson MD, Reviewing Outcomes of Femtosecond Arcuate Incisions At The Time of Cataract Surgery. UAB Department of Ophthalmology Annual Clinical & Research Symposium, May 30, 2014

Michelson, Marc A., Adaptive Optics of Pseudo-Accommodation. Guest of Honor, New England Ophthalmology Society. Boston, MA. February 22, 2012

Michelson, Marc A, The Art of Utilizing the Multifocal IOL: Improving Your Patients Odds for Success. Guest of Honor, New England Ophthalmology Society. Boston, MA. February 22, 2012

Michelson, Marc A., Accommodation in Pseudophakia: Another Perspective. *Grand Rounds* – Department of Ophthalmology, Moran Eye Center. University of Utah, Salt Lake City, UT. January 25, 2012

Michelson, Marc A., Pentacam Analytics in the “Post Refractive Cornea”. Oculus Breakfast Symposium, American Academy of Ophthalmology, Orland, FL., October 23, 2011

Rory A. Myer, Gerald McGwin, Marc A. Michelson, Associations Between Corneal Wavefront Aberrations and Pseudoaccommodation with Aspheric Monofocal IOLs, Poster 188, American Academy of Ophthalmology, Orlando, FL, Oct 22-25, 2011

Richard Tipperman, M.D., Willaim J Fishkind, M.D., Lisa B. Arbisser, M.D., Marc Michelson, M.D., Torn Anterior Capsule. Cataract Surgery Today, The Best Cataract and Refractive IOL Articles from Cataract & Refractive Surgery Today. Bryn Mawr Comminications LLC, Editor David Chang, Wayne, Pa., Chapter 19, p 70. 2009

Taylor Mosley, M.D., Marc Michelson, M.D., Visian ICL: The Positives and Negatives, UAB Department of Ophthalmology



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Annual Clinical Symposium, May 8, 2009

Tyler Hall, M.D., Marc Michelson, M.D., Toric Intraocular Lens Implantation for the Correction of Astigmatic Refractive Error After RK, UAB Department of Ophthalmology Annual Clinical Symposium, May 8, 2009

Marc A. Michelson, M.D., Joint Plenary of APACRS-ASCRS-ESCRS, Crossroads in Techniques and Technology Choosing the Right Path in Cataract and Refractive Surgery, Correcting Presbyopia – Accommodating IOLs, Bangkok, Thailand Friday, 28<sup>th</sup> November 2008

Michelson, Marc A., Spherical Aberration and Pseudoaccommodation, **Mastering Refractive IOLs—The Art and Science**. SLACK Incorporated, Editor David S. Chang, Thorofare, New Jersey, pp 264-266, 2008

Topography and Oculus Pentacam. Michelson, Marc A., Aspheric IOLs and Pseudoaccommodation: Effect of Negative Spherical Aberration on Depth of Focus in Pseudoaccommodation. ASCRS/ASOA 2008 Symposium & Congress; April 5, 2008; Chicago, IL (*Best Paper of Session Award*)

Michelson, M.A. Pseudoaccommodation and Aspheric IOLs. VIII-th Annual International Conference: "Modern Technologies of Cataract and Refractive Surgery. 26th of October 2007, S.Fyodorov Eye Microsurgery Complex. Moscow, Russia

Michelson, Marc A., Corneal Screening in the 21st Century: An In-Depth Analysis of a Corneal Image Using the Pentacam. Review of Ophthalmology, Vol. XIV, No. 4, pp 100-103, April 2007

Improving Refractive Outcomes Following Lens Extraction in Patients with Prior Corneal Refractive Surgery. Presented at Japanese Society of Cataract and Refractive Surgery (JSCRS), June 2006, Tokyo, Japan

Michelson, Marc A., Improving Refractive Outcomes Following Lens Extraction in Patients with Prior Corneal Refractive Surgery: Does the Oculus Pentacam Offer the Technology to Eliminate the

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Mystery of the “Refractive Surprise?” Paper presented at: The ASCRS/ASOA 2006 Symposium & Congress; March 21, 2006; San Francisco, CA.

Michelson, Marc A., Management of Irregular Astigmatism Using Conductive Keratoplasty. Paper presented at The ASCRS/ASOA 2005 Symposium & Congress; April 18, 2005, Washington, D.C.

Michelson, Marc A., Change in Higher-Order Aberrations with Re-treatment of Previous Refractive Surgery Using CustomCornea®; Paper presented at The ASCRS/ASOA 2005 Symposium & Congress; April 19, 2005, Washington, D.C.

Michelson, Marc A., Conductive Keratoplasty: An Emerging Technology for Management of Irregular Astigmatism, **A Complete Surgical Guide for Correcting Astigmatism**. SLACK Incorporated, Ed. James P. Gills, Thorofare, New Jersey, pp 31-34, 2003

Michelson, Marc A., Torn Posterior Capsule, **Complications in Phacoemulsification**. Thieme, Ed. William J. Fishkind, New York, pp 123-132, 2002

Michelson, Marc A., Safety, Predictability Key to Disposable Microkeratome Use, Minimizing Risks of Epithelial Defects, **Ophthalmology Times**. Volume 27, Number 1, p 38, 2002

Michelson, Marc A., PTK Shown to Help Post LASIK Vision Loss, Disturbances, **Ophthalmology Times**. Volume 26, Number 18, 2001

Hersh, Peter S., Brint, Stephen F., Maloney, Robert K., Durrie, Daniel S., Gordon, Michael, Michelson, Marc A., Thompson, Vance M., Berkeley, Ralph B., Schein, Oliver D., Steinert, Roger F., Photorefractive Keratectomy versus Laser In Situ Keratomileusis for Moderate to High Myopia: **Ophthalmology**. August 1998 Volume 105, Number 8, 1512 - 1523

Michelson M.A., The Nature and Management of Corneal Haze Following PRK, An Electron Microscopic Analysis: **Ophthalmology Clinics of North America**. 1998 Volume 11, Number 2, 183 - 186

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Michelson, Marc A., How to Manage a Torn Posterior Capsule. **Review of Ophthalmology**. June 1997, 115 – 120

Michelson M.A, PhotoRefractive Keratectomy: Early American Experience. **International Ophthalmology Clinics**. 1994 Volume 34, Number 4, 97 - 106

Michelson, Marc A.:The Sheets' Glide for a Posterior Capsule Tear. **Video Journal of Cataract & Refractive Surgery**. Volume 7, Issue 1

Michelson, Marc A.: Use of a Sheets' Glide as a Pseudo-posterior Capsule in Phacoemulsification Complicated by Posterior Capsule Rupture. **Eur J Implant Ref Surg.**, Volume 5, 70-72, March 1993

Michelson, Marc A.:Managing Torn Posterior Capsule During Phacoemulsification. **Ophthalmic Practice Vol. 10, No.2, 66-72, 1992**

Michelson, Marc A.: Endocapsular Phacoemulsification with Mini-Capsulorhexis. **Textbook of Advanced Phacoemulsification Techniques**, Slack Incorporated, Ed. Paul Koch and James Davidson, Thorofare, N.J., pp 275- 309, 1991

Michelson, Marc A.: Endocapsular Phacoemulsification with Mini-Capsulorhexis. **Implants in Ophthalmology**. Vol. 4, No. 3, 76-82, September 1990

Feist, R.M., Kline, L.B., Morris, R.E., Witherspoon C.D. and Michelson, M.A.: Recovery of Vision after Presumed Direct Optic Nerve Injury. **Ophthalmology**. Vol. 94, No. 12, 1567-1569, December 1987

Yeakley, WR, Laibson, PR, Michelson, MA, and Arentsen, JJ: A Double-Controlled Evaluation of Acyclovir and Vidarabine for Treatment of Herpes Simplex Epithelial Keratitis. **Trans Amer Ophth Soc. LXXIX, 168-1787, 1981**

Yeakley, W., Laibson, P., Michelson, M., and Arentsen, J: The

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Clinical Efficacy and Safety of Acyclovir Versus Viderabine for Treatment of Epithelial Herpetic Keratitis, **ARVO (abstract) Supplement to Investigative Ophthalmology and Visual Science, Vol. 20, No. 3, p.135, March 1981**

Co-investigator, Double Masked Clinical Study Comparing Acyclovir to Vira-A in the Treatment of Herpes Simplex Keratitis, Wills Eye Hospital, 1979-1980

Hydroxymethyl cellulose Ocular Insert for Keratitis Sicca: Instability of Visual Acuity. Thomas Jefferson University, Department of Pharmacology, Wills Eye Hospital, Department of Cornea and External Diseases

Measurement of Oxygen Transfer as a Dependent of Cerebral Blood Flow in Stroke. Dr. J. Halsey, Department of Neurology, University of Alabama in Birmingham, Medical Center, 1970

Electromicroscopy of the Tapeworm, **Taenia Crassiceps** Dr. R.R. Lumsden, Department of Biology, Tulane University (Masters Degree), 1971-1972

Ionic Transport (Na, K) Across Artificial Lipid Membranes with Cyclic Crown Artificial Carrier Compounds (Valinomycin). Dr. E. Hyman, Touro Research Institute, Touro Infirmary, New Orleans, Louisiana, 1969

Na and K Exchange Across the Midgut Epithelium of the American Cockroach. Dr. R.R. Mills, Department of Biology, Tulane University, 1968

Incidence of Epithelial Abrasions: Plastic Moria One-Use Microkeratome Versus Metal Moria LSK One, ASCRS, San Diego, 2001

Manual Custom Ablation Using 2mm Spot PTK, Managing Visual Disturbances following LASIK, ASCRS, San Diego 2001

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Manual Custom Ablation Using 2mm Spot PTK, Managing Visual Disturbances following LASIK, LASIK Institute, Chicago, 2001

Managing Visual Disturbances following LASIK, Vanderbilt University, December, 2001

Pharmacia & Upjohn 912 5.5 mm Foldable Silicone IOL: Initial Clinical Assessment, ASCRS, San Diego, 1998

The Nature and Management of Corneal Haze Following PRK, ASCRS, Boston, 1997

Flip and Flop: Management of Irregular Astigmatism Following Myopic ALK, ASCRS, San Diego, 1995

Intercapsular Nucleofractis Phacoemulsification, ASCRS, Boston, 1994

Invited Guest XXVI Congress of Japanese Society of Ophthalmic Surgery, Yokohama Japan, 1993

Speaker, Endocapsular Phacoemulsification, XXVI International Congress of Ophthalmology, Singapore March 18 –24, 1990

Guest Surgeon, First World Convention on Phacoemulsification and Small Incision IOL, Monte Carlo, 1989

Course Co-director, Advanced Concepts in Phacoemulsification, American Society of Cataract and Refractive Surgery, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998

Course Co-director, Complications of Phacoemulsification, American Society of Cataract and Refractive Surgery, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998

Teaching Faculty, Three Steps to Phaco, Bill Maloney, Director, 1985 – 1994