

RICHARD A. ERDEY, M.D.

Erdey Searcy Eye Group
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CURRENT

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|--------------------------|---------------------------------|--|
| September 1992 - Present | Medical Director | Erdey Searcy Eye Group 50 McNaughten Rd., Suite 200 Columbus, OH 43213 |
| November 1999 - Present | Medical Director | East Columbus Surgery Center 50 McNaughten Rd., Suite 102 Columbus, OH 43213 |
| September 2009 - Present | Medical Advisory Committee | Central Ohio Lions Eyebank 262 Neil Avenue, Suite 140 Columbus, Ohio 43215 |
| 2000 - Present | Clinical Associate Professor | Ohio State University College of Optometry 338 West 10 th Ave Columbus, OH 43213 |

EXPERIENCE

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|-----------------------------|------------------------------------|--|
| January 1992 - August 1992 | Associate | Katzen Eye Group Mercy Hospital Baltimore, MD 21202 |
| August 1989 - December 1991 | Clinical Instructor Co-Director | Department of Ophthalmology Cornea & Refractive Research Laboratory School of Medicine & Dentistry University of Rochester Strong Memorial Hospital Rochester, NY 14642 |
| August 1989 - August 1991 | Associate | James V. Aquavella, M.D. P.C. Genesee Valley Medical Center Westfall Surgery Center 919 Westfall Road Rochester, NY 14618 |

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Curriculum Vitae

FELLOWSHIP

| | | |
|-----------------------|--------|--|
| July 1988 - July 1989 | Fellow | <i>Refractive/Cornea/Anterior Segment Surgery</i> Richard H. Keates, M.D. Department of Ophthalmology The Ohio State University Columbus, OH 43210 |
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RESIDENCY

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|-----------------------|----------------|---|
| July 1987- June 1988 | Chief Resident | Department of Ophthalmology North Shore University Hospital Cornell University Medical College Manhasset, NY 11030 |
| July 1985 - June 1987 | Residency | Manhasset, NY 11030 |

INTERNSHIP

| | | |
|-----------------------|------------|---|
| July 1984 - June 1985 | Internship | Department of Internal Medicine North Shore University Hospital Cornell University Medical College Manhasset, NY 11030 |
| | | Memorial-Sloan Kettering Cancer Center New York, NY |

EDUCATION

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|---------------------------|--|---|
| August 1980 - June 1984 | Doctor of Medicine | The Medical College of Virginia Richmond, VA |
| September 1976 - May 1980 | B.A., Magna Cum Laude with Highest Honors Biology (only recipient) | Hofstra University Hempstead, NY |

DISTINCTIONS (Undergraduate)

Graduated **Magna Cum Laude with Highest Honors in Biology** (only recipient)
Phi Beta Kappa
Provost Scholar (Autumn 1977, Spring 1978)
Upperclass Scholarship Award
Nassau Academy of Medicine Award (twice received)

LICENSURE and CERTIFICATION

Diplomate of the American Board of Ophthalmology - November 1989
Diplomate National Board of Medical Examiners - June 1985
Ohio (active)
New York, Maryland (inactive)

HOSPITAL AFFILIATIONS

Mount Carmel East Hospital
East Columbus Surgery Center
Grant Eye and Ear Hospital
The Eye Center

MEDICAL SOCIETY MEMBERSHIPS

American Academy of Ophthalmology
American Society of Cataract & Refractive Surgeons
International Society of Refractive Surgery
Columbus Eye, Ear, Nose & Throat (EENT) Society
Columbus Medical Association
Ohio Ophthalmologic Society
Ohio State Medical Association

INSTRUMENT DESIGN

Erdey Lasik Flap Elevator
Mastel Precision Instruments

Erdey RK Diamond
Mastel Precision Instruments

PUBLICATIONS

Erdey RA; *Thoughts on Big-Bubble DALK: EyeNet-American Academy of Ophthalmology* pg. 10. February 2014

Erdey RA; Erdey RA; *Large-diameter DALK technique minimizes postoperative astigmatism: Ocular Surgery News* pg. 18. March 10, 2013

Erdey RA; *A Better Alternative: 9-0 Prolene in Scleral IOL Fixation: EyeNet-American Academy Of Ophthalmology* pg. 11. June 2007

Erdey RA; *Which Phakic IOL is Better? The Posterior-Chamber Implantable Contact Lens: Review of Ophthalmology* pg. 50-52 and 79. January 2001

Erdey RA; *For Your Eyes Only: Capitol Women* pg. 17-18. May/June 1994.

Erdey RA; *RK Instrumentation Refinements Enhance Technique: Ocular Surgery News* pg. 43, 46. May 15, 1994.

Erdey RA; *Aim For Better Vision Refractive Surgery: Changing The Way You See The World: Women's News* pg. 19. May 1993.

Park SB, Searl SS, Aquavella JV, Erdey RA; *Endogenous Endophthalmitis Caused by Escherichia Coli: Annals of Ophthalmology* . 25: 95-99, 1993.

Lindahl KJ, DePaolis MD, Aquavella JV, Temnycky GO, Erdey RA; *Applications of Hydrophilic Disposable Contact Lenses as Therapeutic Bandages: CLAO* Vol 17 (4): 241-243. October, 1991.

Erdey RA, Lindahl KJ, Temnycky GO, Aquavella JV; *Techniques for Application of Tissue Adhesive for Corneal Perforations: Ophthalmic Surgery* 22: 352-354. 1991.

Temnycky GO, Lindahl KJ, Aquavella JV, Erdey RA; *Early Visual Rehabilitation Following Keratoplasty Utilizing Single Continuous Suture Technique: Ophthalmic Surgery* 22 (4). April, 1991.

Keates RH, Erdey RA, Editor: Percival, SPB; *Viscoelastics: Color Atlas of Lens Implantation*. Mosby-Year Book, Inc., Wolf Publishing Ltd. Chapter 22, pp. 139-144. Copyright 1991.

Erdey RA, Perry H, Donnenfeld E; *Tarantula Keratoconjunctivitis: Ophthalmic Practice* 8 (5): 195-198. October, 1990.

Finger P, Erdey RA, Perry H, Packer S, Weisman GD, Sibony PA; *Posterior Scleritis as an Intraocular Tumor: British Journal of Ophthalmology* Vol. 74, pg. 121-122. February, 1990.

Keates RH, Erdey RA, Ringel DM, Schild HS; *Seventy-Six Consecutive Cases of IOGEL Intraocular Lens Implants: Journal of Cataract and Refractive Surgery* Vol. 16, pg. 47-50. January, 1990.

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Keates RH, Bloom RD, Ren Q, Erdey RA; *Fibronectin in Wound Healing of Excimer and Diamond Knife Corneal Incisions*: Journal of Cataract and Refractive Surgery Vol. 15, pp. 404-408. July, 1989.

Keates RH, Erdey RA; *Epithelial Downgrowth: Case Management*: Ocular Surgery News, pp. 6-7. June 15, 1989.

Lester H, Erdey RA, Fastenberg DM, Schwartz PL, Rosenhaus JB; *Bacillus Calmette-Guerin (BCG) Endophthalmitis*: Retina 8 (3): 182-184. 1988.

ABSTRACTS

Viola RS, Kempinski MH, Nakada S, Del Cerro M, Aquavella JV, Erdey RA; *A New Model for Evaluating Corneal Wound Strength in the Rabbit* : ARVO Abstract (ARVO Annual Meeting 1990).

Geasey SD, Del Cerro M, DePaolis MD, Aquavella JV, Erdey RA, Viola RS; *Collagen Shields as a Vehicle for Collecting Migratory Cells in Humans*: ARVO Abstract (ARVO Annual Meeting 1990).

Nakada S, Del Cerro M, Aquavella JV, Erdey RA; *Effect of PDGF, IGF and EGF on Corneal Epithelial Wound Healing and Reinnervation* : ARVO Abstract (ARVO Annual Meeting 1990).

PRESENTATIONS

“DropleSS” Cataract Surgery – Intracameral and Intravitreal drugs during Cataract Surgery – Ohio Ophthalmology Society – Technician Program. Hilton Easton, Columbus, OH. February 21, 2015. Professional Education, Dublin, OH - 30th Annual Optometric conference March 8, 2015. Optometric Continuing Medical Education, New Albany, OH. May 13, 2015 and June 17, 2015.

Corneal Transplantation Advances – DALK, DMEK. Ohio State University School of Optometry, Columbus, OH February 23, 2015.

Visian ICL: Advances; Correction of Irregular Astigmatism - Optometric Continuing Medical Education, New Albany, OH. March 12, May 15, 2014.

Surgical Correction of Astigmatism: Options, Advances and Case Selection – Ohio Ophthalmology Society Meeting -Technician Program, Hilton Easton. Columbus, OH. February 1, 2014, 29th Annual Professional Education 2014 Dublin, OH. April 13, 2014.

The Two D’s: DALK and DMEK – Central Ohio Lions Eye Bank Annual Cornea Specialist meeting. Columbus, OH. December 9, 2013, Ohio State University School of Optometry, Columbus, OH February 24, 2014.

Advances and Controversies in Astigmatism Correction – Optometric Continuing Medical Education, New Albany, OH. August 22, November 20, 2013.

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Peripheral Iridotomy: Considerations and Complications with the Visian ICL - North American Visian Experts Group (NAVEG) Colorado Springs, CO August 18, 2013.

Advances in Corneal Transplantation. Ohio Ophthalmology Society annual meeting – Physician program, Columbus, OH. February 2, 2013, Optometric Continuing Medical Education, New Albany, OH. March 20, May 16, 2013, 28th Annual Professional Education Dublin, OH. April 14, 2013.

Visian ICL: Alternative to LASIK - Ohio Ophthalmology Society annual meeting - Technician program, Columbus, OH. February 2, 2013.

Intraoperative Keratometer – Avoiding Microscope Macular Toxicity and Other Uses. Optometric Continuing Medical Education, New Albany, OH. August 29, November 29, 2012.

Advances in ICL/Ultrasound Biomicroscopic imaging/DMEK. 27th Annual Professional Education - Dublin, OH. 4/29/2012.

Ultrasound Biomicroscopic Imaging for Crystalens and ICL sizing. Optometric Continuing Medical Education, New Albany, OH. March 28, June 7 2012.

Targeted Corneal Transplantation – DALK, DMAEK, DMEK. Optometric Continuing Medical Education, New Albany, OH. March 16, June 15, 2011; 26th Annual Professional Education Dublin, OH. April 17, 2011, Central Ohio Lions Eye Bank Meeting May 3, 2012.

Toric IOL Alignment Using an Intraoperative Keratometer. ASCRS meeting Staar Surgical Chicago, IL April 22, 2012.

Advances in Cornea Transplantation - Ohio Ophthalmology Society Annual Meeting - Technician program, Columbus, OH. February 11, 2012.

ICL: Advances and Market Acceptance. Optometric Continuing Medical Education, New Albany, OH. September 7, November 30, 2011.

Surgical Correction of Astigmatism - Review, Scleral Recession Study. Ohio Ophthalmological Society Meeting Columbus, OH. January 22, 2011.

ICL's In The Military, Scleral Recession to Correct Astigmatism with IOL's. Optometric Continuing Medical Education, New Albany, OH. April 14, 2010, June 9, 2010. Professional Education 2010 Conference, Dublin, OH. May 16, 2010 and December 1, 2010.

A New Procedure to Correct Astigmatism with Premium IOL's Scleral Recession. The Eye Center Winter Conference, Columbus, OH. March 6, 2010 and Optometric Continuing Medical Education, New Albany, OH. August 26 and December 2, 2009.

Advances in Cornea Surgery. Optometric Continuing Medical Education, New Albany, OH. April 15 and June 3, 2009.

Crystalens, DMEK, Intacs, ICL update. Optometric Continuing Medical Education, New Albany, OH. December 10, 2008.

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Presbyopia IOL and Cornea Update. Optometric Continuing Medical Education, New Albany, OH. October 29, 2008.

Future of Accommodative Lenses and Cornea Update. 23rd Annual Professional Education, Columbus, OH. May 2008.

Accommodative Lenses- Today and Tomorrow. Optometric Continuing Medical Education, New Albany, OH. December 2007.

Toric ICL, Toric IOL, Aspheric IOL Update. 22nd Annual Professional Education 2007, Columbus, OH. May 2007.

ICL Update. Optometric Continuing Medical Education, New Albany, OH. December 2006.

Presbyopic IOL's. Vision Preview 2006, Opticians Association of Ohio annual meeting, Columbus, OH. September 2006.

New Cornea Transplant Techniques and ICL Update. 21st Annual Professional Education, Columbus, OH. April 2006.

Lamellar Keratoplasty - New Corneal Transplantation Techniques. Optometric Continuing Medical Education, New Albany, OH. December 14, 2005.

Refractive Surgery. Ohio State University School of Optometry, Columbus OH. October 2005.

Ophthalmology Update. Optometric Continuing Medical Education, New Albany, OH. March 2005.

Intacs for Keratoconus. Optometric Continuing Medical Education, New Albany, OH. December 2004.

Ophthalmology: Innovations 2004. Optometric Continuing Medical Education, New Albany, OH. August 2004.

New Technology Intraocular Lenses. The Sixteenth Annual Optometrist Conference, Columbus, OH. May 2004.

Visian, The New Phakic IOL. Vision Preview 2004 Opticians Association of Ohio annual meeting, Columbus, OH. March 2004.

Phakic IOL - Where Do They Fit in Your Practice? Optometric Continuing Medical Education, New Albany, OH. January 2004.

Overview of Dry Eye Disease and Treatment. Optometric Continuing Medical Education, New Albany, OH. September 2003.

Restasis: New Treatment for Dry Eye. Optometric Continuing Medical Education, New Albany, OH. June 2003.

Overview of Refractive Surgery. Vision Preview 2003 Opticians Associon of Ohio annual meeting, Columbus, OH. March 15 2003.

Refractive Cataract Surgery. Optometric Continuing Medical Education, New Albany, OH. Nov 2002 and Jan 2003.

Iris Reconstruction Lens. The 22nd Annual Ophthalmological Conference, Grant Medical Center Riverside Methodist Hospitals, Columbus, OH. September 2002.

What's New in 2002 - Innovations in Ophthalmology. Optometric Continuing Medical Education, New Albany, OH. April and May 2002.

Refractive Surgery - Facts, Fiction and Frequently Asked Questions. Optometric Continuing Medical Education New Albany, OH. March and May 2001.

LASIK Update: Laser Vision Correction 2000. Optometric Continuing Medical Education, New Albany, OH. March 2000.

LASIK Retreatment: A New Instrument and Technique to Help Avoid Epithelial Complications. The Nineteenth Annual Ophthalmological Conference, Grant Medical Center / Riverside Methodist Hospitals, Columbus, OH. September, 1999.

Refractive Surgery. The Ohio State University College of Optometry, Columbus, OH. October, 1998.

Intraocular Contact Lens. Ohio Optometric Association Zone 12, Continuing Education at Gottleibs, Columbus, OH. October, 1998.

Intraocular Contact Lens (ICL) Update. The Eighteenth Annual Ophthalmological Conference, Grant Medical Center / Riverside Methodist Hospitals, Columbus, OH. September 1998.

Ophthalmology Update for the Primary Care Physician. CME at MCE, The Bruce E. Siegel Center for Health Education, Mount Carmel East Hospital, Columbus, OH. March 1998.

Lamellar Refractive Surgery. Retina Vitreous Associates, Inc. Continuing Education Series, Holiday Inn on the Lane, Columbus, OH. November 1997.

Nuclear Tilt Backcrack Phacoemulsification. The Seventeenth Annual Ophthalmological Conference, Grant Medical Center/ Riverside Methodist Hospitals, Columbus, OH. September 1997.

Excimer Update/Central Corneal Islands. 81st Annual Clinical Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology - Head and Neck Surgery, Tuscon, AZ. May 1997.

Refractive Cataract Surgery. 81st Annual Clinical Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology - Head and Neck Surgery , Tuscon, AZ. May 1997.

Corneal Complications. 81st Annual Clinical Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology - Head and Neck Surgery , Tuscon, AZ. May 1997.

Introduction to LASIK. Optometric Continuing Medical Education, Grant Medical Center, Columbus, OH. May 1997.

Complications of Photorefractive Keratectomy (PRK). Optometric Continuing Medical Education, Grant Medical Center, Columbus, OH. November 1996.

Central Corneal Islands with the Summit Excimer Laser. Defining The Comprehensive Refractive Surgeon, Mastel Precision Symposium, AAO Chicago, IL. October 1996.

Central Corneal Island with the Summit Apex Excimer Laser. The Sixteenth Annual Ophthalmologic Conference, Grant Hospital, Columbus, OH . September 1996.

Corneal Disorders. The Ohio State University College of Optometry, Columbus, OH. September 1996.

Excimer Laser Corneal Surgery. The Siegel Health Center, Mount Carmel East Hospital, Columbus, OH. May 1996.

Corneal Disorders. The Ohio State University College of Optometry, Columbus, OH. October 1995.

The Art of Penetrating Keratoplasty. Ophthalmology Residency Program, Doctors Hospital, Columbus, OH. September 1995.

Retinal Detachment Associated with Use of Pilocarpine in Over-Corrected Refractive Keratotomy Patients. The Fifteenth Annual Resident Research Symposium, The Ohio State University, Columbus, OH. June 1995.

Developing an Excimer Laser Practice, Business and Clinical Approach. ASCRS-ASOA Conference, San Diego, CA. April 1995.

The Precision Two-Step Radial Keratotomy Approach and Results. ASCRS-ASOA/Mastel Refractive Surgery Symposium, San Diego, CA. March 1995.

The Aging Eye. Continuing Medical Education, Mount Carmel East Hospital, Columbus, OH. February 1995.

RK - Recent Refinements in Technique and Instrumentation. The Fourteenth Annual Ophthalmologic Conference, Grant Medical Center, Columbus, OH. September 1994.

Diabetes and the Eye. Senior Citizens Opening Seminar, Columbus, OH. May 1994.

Radial Keratotomy. HealthStyles, Mount Carmel Hospital, Columbus, OH. February 1994 and June 1993.

Lasers in Ophthalmology. Mount Carmel Hospital Laser Nursing Course, Mount Carmel Hospital, Columbus, OH. April and October 1993.

The Maturing Eye. Senior Citizens Opening Seminar, Columbus, OH. July 1993.

Excimer Laser Phototherapeutic Keratectomy (PTK) in the Treatment of Superficial Corneal Irregularity and Opacity. Aquavella JV, Erdey RA, Viola RS, Park SB, DePaolis MD. Presented at the American Academy of Ophthalmology. October 1991.

Excimer Laser Update. The Rochester Eye Institute Sixteenth Annual Ophthalmic Seminar. June 1991.

Anatomy and Physiology of the Eye - Selected Topics. The Rochester Eye Institute Sixteenth Annual Ophthalmic Seminar. June 1991.

Basic Slit Lamp and Related Techniques. The Rochester Eye Institute Sixteenth Annual Ophthalmic Seminar. June 1991.

Early Visual Rehabilitation Following Keratoplasty Utilizing Single Continuous Adjustable Suture Technique. Temnycky GO, Lindahl KJ, Erdey RA, Aquavella JV. The American Academy of Ophthalmology. Atlanta, GA. October 1990.

Collagen Inserts and Management of Keratitis Sicca. The Rochester Eye Institute Fifteenth Annual Ophthalmic Seminar. June 1990.

Ocular Emergency and Patient Triage. The Rochester Eye Institute Fifteenth Annual Ophthalmic Seminar. June 1990.

Ocular Pharmacology. The Rochester Eye Institute Fifteenth Annual Ophthalmic Seminar. June 1990.

Exchange of IOL with Kelman Omnifit Lens. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Surface Passivation of Intraocular Lenses. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Effect of Fibroblast Growth Factor on Corneal Endothelial Regeneration. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Miconazole Delivery by Collagen Shields. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Absorption Properties of the Excimer Laser. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Evaluation of Viscoelastics in Protecting Rabbit Endothelium During Phacoemulsification. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Vitreous Penetration of Oral Ciprofloxacin. The Ninth Annual Resident Research Symposium, The Ohio State University. June 1989.

Tarantula Keratoconjunctivitis. North Shore University Hospital, Manhasset, NY. April 1988 and The New York Academy of Medicine, New York, NY. August 1988.

RESEARCH

Intacs for Keratoconus. Clinical Investigator. Addition Technology, Inc. Humanitarian Device Exemption/FDA November 2004 to present.

Iris Reconstruction Intraocular Lens Study. Clinical Investigator. Ophtec Corporation IRB/FDA compassionate use protocol. East Columbus Surgery Center, Columbus, OH. November 2001 to 2011.

Intraocular Contact Lens (ICL) Study. Co-Investigator. STAAR Surgical Corporation. FDA Phase II & III Myopia. Columbus, Ohio. January 1998 to 2006.

LASIK (Laser Assisted In-Situ Keratomileusis) Treatment of Myopia. Clinical Investigator.

IRB Protocol: A prospective multicenter study to evaluate LASIK for the surgical treatment of myopia using Summit Apex & VISX 20/20 B & STAAR lasers. Grant Medical Center, Columbus, OH. Feb 1997 -99.

LASIK (Laser Assisted In-Situ Keratomileusis) Treatment of Hyperopia. Clinical Investigator.

IRB Protocol: A prospective multicenter study to evaluate LASIK for the surgical treatment of myopia using Summit Apex & VISX 20/20 B & STAAR lasers. Grant Medical Center, Columbus, OH. February 1997 -1999.

LASIK Versus PRK Qualitative Vision Assessment Study. Clinical Investigator. A comparison study to evaluate LASIK versus PRK. Grant Medical Center/ The Ohio State University College of Optometry, Columbus, OH. July 1997 -1998.

Excimer Laser PRK Study. Clinical Investigator. VISX, PRK, PTK, Phase IIb, III, FDA Protocol. Cornea Research Laboratory, University of Rochester Medical Center. June 1990 to August 1991.

Cyclosporine and Dry Eye Sandimmune Study. Clinical Investigator. Sandoz. Cornea Research Laboratory, University of Rochester Medical Center. January 1991 to August 1991.

Bifocal Intraocular Lens. Clinical Study. The Ohio State University Hospitals. Aug 1988 to Aug 1989.

Excimer Laser Ablation, Human Study. The Ohio State University. 1989.

Thermokeratoplasty in Hyperopia. The Ohio State University. 1989.

Fibronectin and Dry Eye Study. The Ohio State University. 1989.

Choroidal Malignant Melanoma - Treatment Modalities. Technical Collaborator. Brookhaven National Laboratory, Long Island, NY. July 1983 to June 1988.