



# Optical Express

## Mr. Colman Kraff

MD  
Ophthalmic Surgeon

Mr. Kraff is committed to advancing new technologies in the field of ophthalmology and helped to pioneer laser vision correction. He is a member of the Optical Express International Medical Advisory Board (IMAB) and of various affiliated bodies and societies such as the International Society of Refractive Surgery and the American Academy of Ophthalmology.

Mr. Kraff is actively involved in research projects relating to laser vision correction and in February of 1991, as part of a five-site, United States FDA clinical trial team, Mr. Kraff successfully performed the first excimer laser procedures in the Chicagoland area using the VISX Excimer Laser. Mr. Kraff and the Kraff Eye Institute have devoted their practice to specialising in laser vision correction and continue to be the lead United States investigative site for all VISX LASIK FDA clinical trials, performing the very first hyperopic LASIK and Wavefront-guided custom treatments.

He actively lectures and teaches doctors throughout the world and is one of three primary Physician excimer laser trainers in the United States and has a teaching appointment at Northwestern University Medical School and is an Attending Physician at Northwestern Memorial Hospital. He is the author of many academic papers and publications and is highly sought after to give professional and scientific presentations across the world.

His dedication to his profession and patients is evident from his vast clinical experience and attendance at seminars and conferences as speaker and delegate.

### Academic & Professional Affiliations

- American Academy of Ophthalmology (AAO) - Fellow
- American Society of Cataract and Refractive Surgery (ASCRS) - Member
- International Society of Refractive Surgery (ISRS) - Member
- American Medical Association (AMA) - Member
- Chicago Ophthalmologic Society (COS) - Member
- Chicago Medical Society (CMS) - Member

### Honours and Awards

- 2000 Visx Stars Award
- 1999 Visx Stars Award
- 1998 Visx Stars Award
- 1989 Outstanding Senior Resident

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- 1989 Teaching Award
- 1981 Phi Beta Kappa
- 1981 Summa Cum Laude
- 1981 Biology

## Publications:

- Kraff,C., Jackson,WB, Maloney, RK: Reviewing the Wavefront clinical Trials: Myopia, Hyperopia and Eye with Reduced Acuity. In **Aberration-Free Refractive Surgery**. Bille, JF, Harner, CF, Loesel, FH, Editors. Springer, 2003-2004,
- McDonald, MB, et. al.: Photorefractive keratectomy for low-moderate myopia and astigmatism with a small beam, tracker directed excimer laser. *Ophthalmology*. 199 Aug;106(8): 1481-8.
- Kraff CR, McLeod S: Complications of Laser Refractive Surgery. In Krupin T, Kolker AE, and Rosenberg L, (eds.) *Complications in Ophthalmic Surgery*. Second edition. Mosby, St. Louis, Mo. 1999.
- Mcleod, S, Kraff CR: Phototherapeutic Keratectomy for Irregular Corneal Astigmatism. Poster Presentation at the Annual Meeting of the American Academy Of Ophthalmology, San Fransico, CA, October 28, 1997.
- Mockovak ME, Kraff CR, Ticho, B. "Excimer Laser Phototherapeutic Keratectomy in Pediatric Patients". Poster presented at the American Association for Pediatric Ophthalmology and Strabismus Meeting. Charlston, SC, March, 1997.
- Kraff, C. : Keratorefractive Surgery with the Excimer Laser;Editorial. *J Cataract Refractive Surg*. 1994 Mar;20 Supple:205.
- Kraff CR, Spigelman AV, Johnson D and Kraff MC: Excimer Laser Photoastigmatic Keratectomy. In Sanders DA (eds.) *Surgical Correction of Astigmatism*. Slack, New York, N.Y.. April, 1994.
- Kraff CR and Kraff MC: Surgical Complications of Cataract Surgery. In Krupin T and Kocker A, (eds.) *Complications of Ophthalmic Surgery*. Grower and Lippincot, New York, N.Y.. August 1993
- Kraff CR and Robin JB: Normal Corneal Topography. In Schanzlin and Robin JB,(eds.). *Corneal Topography*. Springer-Verlag, New York, 1991
- Kraff CR and Robin JB: Abnormal Corneal Topography. In Schanzlin D and Robin JB, (eds.) *Corneal Topography*. Springer-Verlag, New York, 1991.
- Kurosowa A, Pollock SC, Collins MP, Kraff CR, Tso MOM: Sporothrix schenckii endophthalmitis in a patient with Human Immunodeficiency Virus. *Arch Ophth* 1988 106: 376-380
- Sanders DR, Spiegelman A, Kraff CR, Lagourous P, Golstick B, Peyman GA: Quantitative Assessment of the Postsurgical Breakdown of the Blood Aqueous Barrier. *Arch Ophth* 1983 101: 1762-70.
- Kraff CR, et. al.: Topical indomethacin Inhibits Surgically Induced Breakdown of the Blood Aqueous Barrier. *Exerimentia Ophthalmology* 5:21-23, December, 1979.

## Professional and Scientific Presentations

- Preliminary Results of Wavefront guided Multifocal treatments of Presbyopia for low to moderate hyperopia with the Visx Star S4 VSS Excimer laser. Annual Meeting of the American Society of Cataract and Refractive Surgery. April 2005, Washington D.C.
- Long Term Results of Wavefron Guided Treatments of High Myopia using the Visx Star S4 VSS

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- Excimer laser. Annual Meeting of the American Society of Cataract and Refractive Surgery. April 2005, Washington, D.C.
- Long Term Results of Wavefront Guided High Myopic Corrections using the Visx Star S4 VSS Excimer Laser system. EyeWorld Symposium at the Annual Meeting of the American Academy of Ophthalmology, Oct. 2004, New Orleans. LA.
  - Long Term Results of Wavefront Guided High Myopic Corrections using the Visx Star S4 VSS Excimer Laser system. Annual Meeting of the American Society of Cataract and Refractive Surgery. Spring 2004, San Diego, CA.
  - Long Term Results of Wavefront Guided Treatments of Hyperopia using the Visx Star S4 VSS Excimer Laser system. Annual Meeting of the American Society of Cataract and Refractive Surgery. Spring 2003, San Francisco, CA.
  - Long term results of Wavefront Guided Ablations for Myopia with the Visx Star3 Waveprint System. A Multicenter FDA clinical trial. International Society of Refractive Surgery, Orlando, FL., USA, 2002
  - Long term results of Wavefront Guided Ablations with the Visx Star S3 Waveprint System. A multicenter FDA clinical trial. European Society of Cataract and Refractive Surgery. Nice, France, September 2002.
  - Long term results of Wavefront Guided Ablations with the Visx Star3 Waveprint System. A Multicenter FDA clinical trial. International Society of Refractive Surgery. American Society of Cataract and Refractive Surgery. May 2002, Philadelphia, Pa.
  - Early Results of Wavefront guided Ablations for Low myopia with the Visx Star S3 Waveprint System. American Society of Cataract and Refractive Surgery. Spring 2001.
  - Six month Clinical Results of Wavefront Guided Ablations with the Visx Waveprint system. An FDA multicenter Clinical Trial. Annual meeting of the International Society of Refractive Surgery. New Orleans, La., Fall 2001.
  - PRK: The Standard. American Academy of Ophthalmology Annual Meeting, San Francisco, CA, October 28, 1997.
  - Clinical Results: PRK for Hyperopia with the Visx Excimer Laser system. International Society of Refractive Surgery Meeting, San Francisco, CA, October, 24, 1997,
  - Update on Excimer Laser Refractive Surgery: Annual Meeting of the Ophthalmic Anesthesia Society, Chicago, Illinois, September, 1997.
  - Excimer Laser Update: Phase III FDA Clinical Results. Annual meeting of the Chicago Medical Society. January 20, 1996. Chicago, Illinois
  - Clinical Correlation of Refractive Change and Corneal Topographic Change after PRK. American Society of Cataract and Refractive Surgery Annual Meeting. San Diego, CA, April 1, 1995.
  - Excimer Laser Update: Complications, Practice Position and Future Direction in Excimer Laser Surgery. Alcon / Visx Global Users Meeting. March 5-6, 1995. Hong Kong.
  - Refractive Surgery Panel. Chicago Ophthalmologic Society Monthly Meeting. February 20, 1995.
  - Update on Excimer Laser Surgery: Symposium of Lasers for the Biolaser Institute of the Chicago Medical Society. Annual Meeting of the Chicago Medical Society. January 22, 1995.
  - Update on Corneal Central Islands: Presented at the American Society of Cataract and Refractive Surgery Symposium on Refractive Surgery. San Francisco CA, November 12, 1994.
  - *Can Corneal Central Islands be Eliminated?* Presentation of results of PRK using a new software. American Society of Cataract and Refractive Surgery Annual meeting. Boston, MA. April 10, 1994.
  - Update on Complications of Photorefractive Keratectomy. American Society of Cataract and Refractive Surgery Annual meeting. Boston, MA, April 10, 1994.
  - A comparison of Radial Keratotomy and Photorefractive Keratectomy. Visiting Professor Indianapolis Ophthalmologic Society. January 14, 1994.

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- Complications of Excimer Laser Surgery. University of Indiana Department of Ophthalmology. January 15, 1994.
- Excimer Laser Update: Pre-American Academy of Ophthalmology Annual Meeting. Kraff Eye Institute/ Alcon Surgical. Chicago, Ill. November 10, 1993
- Excimer Laser Update: Keynote Address; PRK from past to present. London Place Eye Centre, New Westminster, B.C.. October 22, 1993.
- Ohio Eye, Ear, Nose, and Throat Society Annual Meeting: "Excimer Laser Complications and Management". "Radial Keratotomy vs. Photorefractive Keratectomy". Columbus, Ohio, September 11, 1993.
- Great Ophthalmic Forum: Excimer Laser Update. San Francisco, California, July 30, 1993.
- Advanced Phacoemulsification: Wound Construction and Complications. June 25-26, 1993. Philadelphia, Pennsylvania
- Excimer Laser The Cutting Edge: State University of New York. June 19, 1993. Syracuse, N.Y.
- PRK: Complications and Management. American Society of Cataract and Refractive Surgery Annual Meeting. Seattle, Wa. May 8-13, 1993.
- Excimer Laser Corneal Topography. American Society of Cataract and Refractive Surgery Annual Meeting. Seattle, Wa. May 8-23, 1993.
- Great Ophthalmic Forum: Update on the Excimer Laser. March 5, 1993. Orlando, Fl.
- Residents Course on Phacoemulsification: Alcon Surgical, Chicago, Illinois, December 12, 1992.
- Update on Excimer Laser: Alcon Surgical, September 27, 1992, Fort Worth, Texas.
- Complications of Radial Keratotomy: A New Surgeons Perspective. American Society of Cataract and Refractive Surgery First Annual Summer Symposium. August, 1992, Chicago, Illinois.
- Future Trends in Phacoemulsification and Update on Excimer Laser Photorefractive Keratectomy. Alcon Surgical Course, St. Louis, Mo.
- Excimer Laser Symposium: Manhattan Eye, Ear, and Throat Hospital. Lectures Given on results and techniques of Photorefractive and Phototherapeutic Keratectomy. New York, N.Y., Feb. 1, 1992.
- Residents Phacoemulsification Course: Alcon Surgical, Chicago, Illinois, December, 1991.
- American College of Surgeons Annual Clinical Conference, October 23, 1991: "Keratorefractive Procedures of the Cornea."
- Cataract Surgery: Techniques and Complications. Clinical Curriculum in Ophthalmology November 16, 1991.
- Hydrosonics For the Phaco Surgeon October, 1991. Alcon Research Center, Irvine, CA. "Current Techniques of Hydrosonics".
- UIC Eye Center Eye Trauma Symposium, July 1991. "Recent Trends in Cataract and IOL Surgery."
- UIC Eye Center Eye Trauma Symposium, July 1991. Update on the VISX 20/20 Excimer Laser.
- Current Advances in Phacoemulsification. Methodist Hospital Medical Center, Indianapolis In. June, 1991. The Anterior Capsulotomy and Hydrodissection of the Nucleus.
- University of Illinois Eye and Ear Infirmary Phacoemulsification Course. December 9, 1989.
- University of Illinois Eye and Ear Infirmary Eye Trauma Symposium, July 22, 1989. "Recreational and Occupational Ocular Trauma".
- University of Illinois Eye and Ear Infirmary Alumni Day, May 1988: "Musical Instrument Induced Rise in Intraocular Pressure."
- University of Illinois Eye and Ear Infirmary Clinical Challenges Day, April 1989: "Conjunctival Lymphomas: Diagnosis and Management".
- University of Illinois Eye and Ear Infirmary Clinical Challenges Day, April 1988: "Recurrent Granular Corneal Dystrophy".

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## Research

- Principal Investigator Alcon Phakic Anterior Chamber IOL. Multiple center FDA clinical trial. June 2006- Present.
- Principal Investigator Visx Star S4 VSS Wavefront Guided Treatment of Presbyopia, Single US site FDA Clinical Trial, Fall 2004-Present.
- Principal Investigator Visx Star S4 VSS Wavefront Guided treatment for Monovision/Myopia FDA clinical trial, summer 2004-present.
- Principal Investigator Visx Star S4 VSS Wavefront Guided treatment of Hyperopia and Mixed Astigmatism FDA Clinical Trial, Fall 2003 - present.
- Principal Investigator Visx Star S3 / S4 Wavefront Guided Treatments for Myopic Astigmatism FDA Clinical Trial, April 2001-Present
- Principal Investigator Visx Star S2 LASIK Mixed Astigmatism FDA Clinical Trial, June 2000- Present
- Principal Investigator Visx Star S2 LASIK Hyperopic Astigmatism FDA Clinical Trial, July 1999- Present
- Principal Investigator Visx Star PRK Hyperopic Astigmatism FDA Clinical Trial, June 1998- Present
- Principal Investigator Visx Star PRK Hyperopia Trial February 1997- Present
- Co-Investigator Visx 20/20 Excimer Laser Phototherapeutic Keratectomy FDA Phase III Trial Photorefractive Keratectomy FDA Phase III Trial February 1991- Present
- Co-Investigator Novatec Light Blade Photorefractive Refractive Keratectomy Correction of Myopia Phase IIA June 1995
- Co-Investigator Sunrise Technology Thermal Keratoplasty for Refractive Procedures Correction of Hyperopia Phase II-b Study December 1996
- Co-Investigator Autonomous Technology Correction of Myopia, Astigmatism, and Hyperopia July 1996