

## Curriculum Vitae

Ronald N. Gaster, M.D., F.A.C.S.

### Office Locations

Cornea Eye Institute, President  
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### Appointments

Clinical Professor (Vol.), Jules Stein Eye Institute, University of California, Los Angeles, Department of Ophthalmology, 2019 to present

Clinical Professor, Gavin Herbert Eye Institute, University of California, Irvine, Department of Ophthalmology, 2013 to present

Professor, Gavin Herbert Eye Institute, University of California, Irvine, Department of Ophthalmology, 1991 to 2013

Chairman (Acting), Department of Ophthalmology, University of California, Irvine, March 1987 to December 1989

Associate Adjunct Professor, Department of Ophthalmology, University of California, Irvine, 1985 to 1991

Assistant Professor, Department of Ophthalmology, University of California, Irvine, 1979 to 1985

Chief, Ophthalmology, Long Beach Veterans Affairs Medical Center, 1979 to 2011

### Education and Training

Cornell University, B.A., 1969.

University of California, Los Angeles, School of Medicine,  
M.D., 1973

University of California, San Diego  
Department of Surgery, Resident, 1973 to 1975

University of Chicago  
Department of Ophthalmology, Resident, 1975 to 1978  
Chief Resident, June 1977 to December 1977

Instituto Barraquer de America, Colombia, 1978

Manhattan Eye, Ear and Throat Hospital/State University of New York Fellowship: Microsurgery of the Anterior Segment with Richard C. Troutman, M.D., F.A.C.S., 1978 to 1979  
Awarded Heed Ophthalmic Foundation Fellowship

## **Board Certification**

Diplomate, American Board of Ophthalmology, 1979

## **Honors and Awards**

Heed Ophthalmic Foundation Fellowship, 1978 to 1979  
American Academy of Ophthalmology Honor Award, 1988  
Selected for Woodward and White's "Best Doctors In America,"  
1996 to present  
Outstanding Teacher Award by the University of California,  
Irvine, Department of Ophthalmology, 1999  
Outstanding Teacher Award by the University of California,  
Irvine, Department of Ophthalmology, 2002  
American Academy of Ophthalmology Achievement Award, 2007  
Top Doctors of Orange County and Physician of Excellence Award,  
Orange Coast Magazine, Orange County Medical Association,  
2005 to present  
Outstanding Teacher Award by the University of California,  
Irvine, Department of Ophthalmology, 2008  
Southern California SuperDoctors, Los Angeles Magazine,  
2008/2009, 2012 to present  
University of California, Irvine, Clinician of the Year  
nomination, 2011  
Top Doctors 2012 to present, U.S. News and World Report  
Royal Society of Medicine, London, England, 2016 to 2019

## **Professional Activities**

Scientific Referee for American Journal of Ophthalmology,  
1978 to 1996, 2002 to 2005, and 2018 to present  
California Board of Medical Quality Review Committee, 1982  
to 1984  
American College of Surgeons Ophthalmology Scientific  
Program Chairman, Southern California, 1982 to 2002  
International Society of Refractive Keratoplasty, Board of  
Trustees, 1983 to 1985  
Corneal Dystrophy Foundation, Medical Advisory Board, 1982  
to 2008  
Medical Advisory Board of Eye Bank of Orange County, 1984  
to 2006  
First Medical Director, 1985 to 2006  
Board of Directors, Lions/U.C.I. Eye Bank, 1981 to 1986  
Chairman, Board of Directors, 1982 to 1985  
Medical Director, 1991 to 1997  
Co-medical Director, Doheny Eye and Tissue Bank, 2006 to 2017  
Chairman, Eye Bank Committee, Long Beach Memorial Medical Center,  
1979 to 1981  
Association of University Professors of Ophthalmology, 1987  
to 1989  
Council of Chairmen, University of California, Irvine, 1987 to 1989  
Dean's Advisory Board, University of California, Irvine, 1987  
to 1989  
California Association of Ophthalmology, Board of Directors,  
1987 to 1990  
Chairman, Basic Science Training, Department of Ophthalmology,  
University of California, Irvine, 1979 to 1987

**Professional Activities** (cont.)

Co-Chairman, Resident Selection Committee, Department of Ophthalmology, University of California, Irvine, 1980 to 1987 and member 1990 to 1999

Scientific Program Chairman, Ophthalmology, Long Beach Memorial Medical Center, 1980 to 1986

Utilization Review Committee, University of California, Irvine Medical Center, 1981 to 1982

Laser Safety Committee, Long Beach V.A. Medical Center, 1988 to 2011

Scientific Referee for Refractive and Corneal Surgery, 1992 to 1998

Executive Committee, and Principal Investigator, V.A. Cooperative Cataract Study #338, 1992 to 1998

Principal Investigator, Excimer Laser Photorefractive Keratectomy for: Low Myopia, phase II, 1995 to 1998

Moderate Myopia, phase II, 1995 to 1998

Low Myopia with Astigmatism, phase II, 1995 to 1998

Moderate Myopia with Astigmatism, phase II, 1995 to 1998

Low Myopia, phase III, 1995 to 1998

Retreatment of Myopia, phase III, 1995 to 1998

Director of University of California, Irvine, Corneal, Anterior Segment and Refractive Surgery Fellowship, 1996 to 1999

Principal Investigator, Corneoplasty Study, Long Beach V.A. Medical Center, 1996 to 1999

Principal Investigator, Vitreous Hemorrhage Study, Long Beach V.A. Medical Center, 1996 to 1998

Investigator, Cornea Donor Study, 1999 to 2000

Principal Investigator, Cornea Donor Study, 2000 to 2013

Appointed California State Consultant for Vaccination Complications 2003 to 2011

Orange County Society of Ophthalmology, Program Chairman, 1996 to 1998

Orange County Society of Ophthalmology, Secretary/Treasurer, 1998 to 2000

Orange County Society of Ophthalmology, Vice President, 2000 to 2002

Orange County Society of Ophthalmology, President, 2002 to 2004

California Academy of Ophthalmology, Board of Directors, 2004 to 2007

International Medical Alliance, Medical Mission to Quito, Ecuador, May 2004

Crystalens Accommodating Intraocular Lens - implanted first lenses in Department of Veterans Affairs, Veterans Health Administration, June 3, 2004

Eye Bank Association of America, Eye Bank Accreditation Board, 2004 to 2007

International Medical Alliance, Medical Mission to Manta, Ecuador, May 2005

Vice Chairman, UCI Discovery Fund for Eye Research, 2005 to 2009

AlphaCor Artificial Cornea-Implanted first AlphaCor Artificial Cornea in the Department of Veterans Affairs, Veterans Health Administration, January 12, 2006

California Academy of Eye Physicians and Surgeons, Board of Trustees, 2006 to present

ORBIS International, Medical Mission to Changsha, China, October-November, 2006

## **Professional Activities** (cont.)

Invited Cornea Consultant at Kilimanjaro Centre for Community  
Ophthalmology Clinic, Moshi, Tanzania, December, 2008  
Invited Cornea Consultant at Joshi Laser Eye Centre, Nairobi,  
Kenya, December, 2008  
Principal Investigator, Corneal Cross-Linking Study NCT01081561,  
2010 to present  
Invited Cornea Consultant at Meru Level V Hospital, Meru, Kenya,  
and at 3 local clinics in rural Kenya, August/September, 2012  
Invited Guest on "The Doctors" TV Show, 2013 to 2014.  
Founder, Keratoconus Clubhouse, 2021  
Principal Investigator, Corneal Collagen Cross-Linking in patients  
10 to 21 years old with the UV-X™ system to halt the  
progression of Keratoconus, UVX-006 IRB Protocol 20182838,  
2022 to present  
Surgeon Proctor for the Allegretto Excimer Laser EX500, 2022 - present  
Surgeon Proctor for IntraLase Femtosecond Laser, 2022 - present

## **Societies**

Fellow, American Academy of Ophthalmology  
Fellow, American College of Surgeons  
Charter Member, International Society of Refractive  
Keratoplasty  
Charter Member, International Refractive Keratoplasty Study  
Group  
American Society of Cataract and Refractive Surgery  
International Society of Refractive Surgery  
ACOS, American-European Congress of Ophthalmic Surgery  
Society of Heed Fellows  
The Cornea Society  
Max Fine Cornea Society  
Association for Research in Vision and Ophthalmology  
Eye Bank Association of America  
Orange County Society of Ophthalmology  
Orange County Medical Association  
The Royal Society of Medicine

## **National Ophthalmic Microsurgery Courses Taught**

International Society of Refractive Keratoplasty  
1979 (1st course given in Northern Hemisphere,  
(New York, New York)  
1980 (1st course given on West Coast, Los Angeles,  
California)  
1980 (New York, New York)  
1981 (Los Angeles, California)  
1982 (Los Angeles, California)  
1983 (Los Angeles, California)  
1984 (Los Angeles, California)  
1985 (Los Angeles, California)  
Pan American Congress of Ophthalmology  
1979 (Miami, Florida)

**National Ophthalmic Microsurgery Courses Taught** (cont.)

American Academy of Ophthalmology

- 1978 (Kansas City, Kansas)
- 1979 (San Francisco, California)
- 1980 (Chicago, Illinois)
- 1981 (Atlanta, Georgia)
- 1982 (San Francisco, California)
- 1983 (Chicago, Illinois)
- 1984 (Atlanta, Georgia)
- 1985 (San Francisco, California)
- 1986 (New Orleans, Louisiana)
- 1987 (Dallas, Texas)
- 1988 (Las Vegas, Nevada)
- 1989 (New Orleans, Louisiana)
- 1990 (Atlanta, Georgia)
- 1991 (Anaheim, California)
- 1992 (Dallas, Texas)
- 1993 (Chicago, Illinois)
- 1994 (San Francisco, California)
- 1995 (Atlanta, Georgia)
- 1996 (Chicago, Illinois)
- 1997 (San Francisco, California)
- 1998 (New Orleans, Louisiana)
- 1999 (Orlando, Florida)
- 2000 (Dallas, Texas)
- 2001 (New Orleans, Louisiana)
- 2002 (Orlando, Florida)
- 2003 (Anaheim, California)
- 2004 (New Orleans, Louisiana)
- 2005 (Chicago, Illinois)
- 2006 (Las Vegas, Nevada)
- 2007 (New Orleans, Louisiana)
- 2008 (Atlanta, Georgia)
- 2009 (San Francisco, California)
- 2010 (Chicago, Illinois)
- 2011 (Orlando, Florida)
- 2012 (Chicago, Illinois)
- 2013 (New Orleans, Louisiana)
- 2014 (Chicago, Illinois)
- 2015 (Las Vegas, Nevada)
- 2016 (Chicago, Illinois)
- 2017 (New Orleans, Louisiana)
- 2018 (Chicago, Illinois)
- 2019 (San Francisco, California)
- 2020 (Las Vegas, Nevada virtual)
- 2021 (New Orleans, Louisiana)

National Ophthalmic Microsurgery/Keratoplasty Courses

- 1978 (New York, New York)
- 1979 (New York, New York)
- 1980 (New York, New York)

Chairman, University of California, Irvine, Current Concepts  
in Penetrating Keratoplasty

- 1981 (1st course given in Orange County, Irvine, California)
- 1983 (Santa Ana, California)

French Ophthalmological Society

- 1983 (Paris, France)

**National Ophthalmic Microsurgery Courses Taught** (cont.)

- Forum Ophthalmologicum Centenarii  
1984 (Bogota, Colombia)
- II International Congress on the Cornea, Lens, and Anterior Segment Surgery of the Eye, 1991 (Sao Paulo, Brazil)
- Chiron Excimer Laser Refractive Surgery Teaching at Shanghai Second Medical University, Suzhou Medical College and Jinzhou, China, May 17-25, 1996
- VISX Excimer Laser Certified Trainer in Photorefractive and Phototherapeutic Keratectomy, organized and taught 1st course given at Beckman Laser Institute, University of California, Irvine, Nov. 15, 1996, and Dec. 20, 1996; May 14, 1997; July 31, 1997; July 10, 1998
- American Academy of Ophthalmology, Course #566: Management of Penetrating Keratoplasty Complications, New Orleans, Louisiana, October 22, 2004.
- American Academy of Ophthalmology, Course #391: Surgical Correction of Astigmatism. Femtosecond Laser Penetrating Keratoplasty, New Orleans, Louisiana, November 12, 2007.
- American Academy of Ophthalmology, Course #448: Surgical Correction of Astigmatism. Femtosecond Laser Penetrating Keratoplasty, New Orleans, Louisiana, November 10, 2008.
- American Academy of Ophthalmology, Course #LEC399: Surgical Correction of Astigmatism. Femtosecond Laser with Penetrating Keratoplasty and DALK, San Francisco, California, October 26, 2009.
- American Academy of Ophthalmology, Course #LEC443: Surgical Correction of Astigmatism. Advances in Corneal Cross-Linking (CXL), Chicago, Illinois, October 18, 2010.
- American Academy of Ophthalmology, Course #LEC532: Surgical Correction of Astigmatism. Corneal Cross-Linking and/or Intacs for Progressive Keratoconus or Post-LASIK Ectasia, Orlando, Florida, November 25, 2011.
- American Academy of Ophthalmology, Course #LEC431: Surgical Correction of Astigmatism. Surgical Strategies for the Treatment of Keratoconus and Post-LASIK Ectasia, Chicago, Illinois, November 12, 2012.
- 8<sup>th</sup> International Congress of Corneal Cross-Linking (Featured Speaker), Geneva, Switzerland, December 7, 2012.
- American Academy of Ophthalmology, Refractive Surgery Specialty Day. Comparison of Laser-Assisted PTK Removal of Epithelium to Manual Debridement in CXL for Progressive Keratoconus, New Orleans, Louisiana, November 15, 2013.
- American Academy of Ophthalmology, Course #LEC108: Surgical Correction of Astigmatism. Corneal Cross-Linking for Teenagers with Progressive Keratoconus, New Orleans Louisiana, November 17, 2013.
- XIII International Congress of Cataract and Refractive Surgery (International Invited Guest Speaker), Rio de Janeiro, April 4, 2014.
- American Society of Cataract and Refractive Surgery, Course 28-106: Early Detection and Management of Keratoconus, Including Collagen Crosslinking (Course Director), Boston, Massachusetts, April 28, 2014.
- American Society of Cataract and Refractive Surgery, Paper Session 4-C: Cornea DSEK, DMEK, DALK (Panelist), Boston, Massachusetts, April 29, 2014.

**National Ophthalmic Microsurgery Courses Taught** (cont.)

- American Academy of Ophthalmology, Course #LEC133: Surgical Correction of Astigmatism. Corneal Collagen Cross-Linking in Adolescents with Progressive Keratoconus, Chicago, Illinois, October 20, 2014.
- American Academy of Ophthalmology, Course #LEC134: Surgical Correction of Astigmatism. Comparison of PTK Epithelial Removal with Manual Debridement in CXL For Progressive Keratoconus, Las Vegas, Nevada, November 16, 2015.
- American Academy of Ophthalmology, Course #LEC493 (Course Director): Early Detection and Management of Keratoconus, Including Corneal Collagen Cross-linking, Las Vegas, Nevada, November 16, 2015.
- American Academy of Ophthalmology, Course #LEC129: The Surgical Correction of Astigmatism. CXL for Progressive Keratoconus in Adolescents - 2-year results, Chicago, Illinois, October 16, 2016.
- American Academy of Ophthalmology, Course #LEC136: The Surgical Correction of Astigmatism. Corneal Collagen Cross-Linking for Progressive Keratoconus in Adolescents: 3-Year Results, New Orleans, Louisiana, November 12, 2017.
- American Academy of Ophthalmology, Course #LEC118: INTACS Surgery for High Astigmatism in Keratoconus, Chicago, Illinois, October 28, 2018.
- American Academy of Ophthalmology, Course #LEC147: SMILE - A New, Less Invasive Laser Corneal Refractive Surgery, San Francisco, California, October 14, 2019.
- American Academy of Ophthalmology, Course #LAB113A: Details of Relaxing Incisions (video), Las Vegas, Nevada (virtual), November 13, 2020.
- American Academy of Ophthalmology, Course #LEC103: SMILE - A New, Less Invasive Laser Corneal Refractive Surgery, New Orleans, Louisiana, November 13, 2021.
- American Academy of Ophthalmology, Course #LAB103A (Course Director): Corneal Incisions to Correct Astigmatism, New Orleans, Louisiana, November 13, 2021.

## Lectures and Presentations

American College of Surgeons: Rate of Nerve Regeneration Following Controlled Freezing or Crushing, Palm Springs, California, January 16, 1971.

University of Chicago Alumni Conference: Localization of Intraocular Foreign Bodies by Computerized Axial Tomography, March 2, 1977.

University of Chicago Department of Ophthalmology: Pigmented Paravenous Retinochoroidal Atrophy, February 2, 1978.

University of Chicago Department of Ophthalmology: Anterior Chamber Cleavage Syndrome, March 9, 1978.

University of Chicago Department of Ophthalmology: Norrie's Disease, April 6, 1978.

University of Chicago Department of Ophthalmology: Upper Lid Mass Lesions, April 20, 1978.

Pan American Congress of Ophthalmology: Keratoconus: February 27, 1979.

Manhattan Eye, Ear and Throat Hospital Cornea Symposium: Disparate Diameter Keratoplasty Results, March 22, 1979.

Long Beach Memorial Medical Center, University of California, Irvine: Specific Hazards with Certain Drugs in Cataract Surgery, October 19, 1979.

University of California, Irvine, School of Medicine Lecture Series: Examination of the Eye, January 11, 1980.

University of Chicago Alumni Conference: Refractive Keratoplasty, March 5, 1980.

Long Beach Veterans Administration Medical Center, Department of Medicine Conference: Ophthalmology for the Internist, June 9, 1980.

Long Beach Memorial Medical Center, Ophthalmology Conference (Guest Speaker): Recent Developments in Corneal Surgery, June 17, 1980.

Kaiser Permanente Medical Center Medicine Conference (Guest Speaker): Corneal Transplantation, Bellflower, California, August 27, 1980.

California Academy of Physician's Assistants Fourth Annual Symposium: Primary Care Ophthalmology, San Jose, California, September 7, 1980.

Ocular Drug Therapy-Update 1980: Uses of Healon in Intraocular Surgery, Newport Beach, California, October 11, 1980.



**Lectures and Presentations** (cont.)

California Medical Association/University of California,  
Irvine Symposium: Management of the Acute Red Eye and Eye  
Injuries, Monterey, California, October 17, 1980.

University of California, Irvine Eye Bank-Lions Club  
Dedication: Corneal Transplantation, November 29, 1980.

Long Beach Veterans Administration Medical Center, Department  
of Oral Surgery: Diagnosis and Management of Acute  
Ocular Trauma, November 25, 1980.

American College of Surgeons: Current Concepts in  
Keratoplasty: Penetrating Keratoplasty and Refractive  
Keratoplasty, Santa Barbara, California, January 23,  
1981.

California Cornea Club: Marginal Degeneration of the Cornea  
with Bleb Formation, San Francisco, California,  
February 27, 1981.

University of Mississippi: Penetrating Keratoplasty, Updated;  
and Refractive Keratoplasty: Keratophakia, Keratomileusis,  
and Radial Keratotomy, Updated, Jackson, Mississippi,  
June 20, 1981.

Family Health Program Conference (Guest Speaker): Common  
Office Eye Diseases, Long Beach, California, August 14, 1981.

Cerritos Gardens General Hospital Conference (Guest Speaker):  
General Ophthalmology and Emergencies, Hawaiian Gardens,  
California, August 20, 1981.

Cedars-Sinai Medical Center Surgery Grand Rounds (Guest  
Speaker): Corneal Transplantation, Los Angeles, California,  
October 7, 1981.

Ocular Drug Therapy-Update 1981: Introduction to Refractive  
Keratoplasty, and Moderator of Refractive Keratoplasty  
Symposium, Newport Beach, California, October 17, 1981.

International Refractive Keratoplasty Study Group: Hydrogel  
Lenticular Implants - Keratopseudophakia - of Varying  
Water Content in Rabbits, Atlanta, Georgia, November 5,  
1981.

Long Beach Society of Internal Medicine (Guest Speaker):  
Ophthalmology for the Internist, January 5, 1982

American College of Surgeons: New Developments in  
Refractive Keratoplasty, Newport Beach, California,  
January 24, 1982.

American College of Surgeons: Laser Iridoplasty, Newport  
Beach, California, January 24, 1982.

Western Medical Center Ophthalmology Conference (Guest  
Speaker): Current Developments in Keratophakia, Santa Ana,  
California, February 19, 1982.

**Lectures and Presentations** (cont.)

- California Cornea Club/University of California at Irvine  
(Moderator): Keratophakia, Irvine, California,  
February 26, 1982.
- St. Jude Hospital Emergency Medicine Conference: Ophthal-  
mologic Emergencies, Mammoth Lakes, California, March 15,  
1982.
- Presbyterian Intercommunity Hospital Ophthalmology Conference  
(Guest Speaker): Current Concepts in Keratophakia,  
Whittier, California, April 19, 1982.
- Long Beach Memorial Medical Center Ophthalmology Conference  
(Guest Speaker): Recent Developments in Refractive  
Keratoplasty, April 20, 1982.
- Association for Research in Vision and Ophthalmology (ARVO):  
Effectiveness of Keratophakia as a Secondary Procedure,  
Sarasota, Florida, May 5, 1982.
- American Society of Ophthalmic Registered Nurses (Guest  
Speaker): New Developments in Refractive Corneal Surgery,  
Jules Stein Eye Institute (U.C.L.A.), July 15, 1982.
- Long Beach Memorial Medical Center: The Pediatric Red Eye,  
Long Beach, California, October 9, 1982.
- Ocular Drug Therapy-Update 1982: Correction of Aphakia by  
Keratophakia, Newport Beach, California, October 29,  
1982.
- American College of Surgeons: Moderator of Ophthalmology  
Program, Rancho Mirage, California, January 16, 1983.
- American College of Surgeons: Anterior Chamber Cleavage  
Syndrome, Rancho Mirage, California, January 16, 1983.
- California Cornea Club: Keratitis Psoriatica, Stanford,  
California, February 25, 1983.
- Eye Bank Association of America: Donor Corneal Fungal  
Contamination in Penetrating Keratoplasty, San Diego,  
California, April 16, 1983.
- Association for Research in Vision and Ophthalmology (ARVO):  
Circumferential Keratotomy to Reduce Hyperopia in  
Rabbits, Sarasota, Florida, May 4, 1983.
- French Ophthalmological Society: La Keratophakia, en Deuxieme  
Intention, Pour Corriger L'Aphakie, Paris, France, May 9,  
1983.
- International Society of Refractive Keratoplasty: Corneal  
Incision to Reduce Hyperopia, Paris, France, May 14,  
1983.

**Lectures and Presentations** (cont.)

- St. Mary's Medical Center: Corneal Transplantation, Long Beach, California, June 4, 1983.
- Centinela Hospital Medical Center: New Developments in Refractive Surgery, Inglewood, California, June 20, 1983.
- Beach Community Hospital (Guest Speaker): General Ophthalmologic Diseases, Buena Park, California, July 18, 1983.
- Orange County Society of Ophthalmology: When Not to Use an IOL, La Quinta, California, October 8, 1983.
- Ocular Drug Therapy-Update 1983: Bilateral Angle Closure Resulting From the Use of a Transdermal Scopolamine Patch, Irvine, California, October 14, 1983.
- American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 29, 1984.
- American College of Surgeons: Relaxing Incision to Reduce Traumatic Corneal Scar High Astigmatism, Santa Barbara, California, January 29, 1984.
- California Cornea Club: Unusual Granular Corneal Dystrophy, Loma Linda, California, February 24, 1984.
- International Society of Refractive Keratoplasty: Results of Secondary Keratophakia, Bogota, Colombia, March 17, 1984.
- Forum Ophthalmologicum Centenarii: Relaxing Incisions in Traumatic Corneal Scars to Reduce High Astigmatism, Bogota, Colombia, March 19, 1984.
- Forum Ophthalmologicum Centenarii: Bilateral Angle Closure Glaucoma Resulting From the Use of a Transdermal Scopolamine Patch, Bogota, Colombia, March 22, 1984.
- Long Beach Memorial Medical Center, Ophthalmology Conference (Guest Speaker): Update on Refractive Surgery, Long Beach, California, April 17, 1984.
- Ocular Drug Therapy-Update 1984: Moderator of Refractive Surgery Symposium, Irvine, California, October 13, 1984.
- Ocular Drug Therapy-Update 1984: An Overview of Refractive Surgery and Results of Secondary Keratophakia, Irvine, California, October 13, 1984.
- American Academy of Ophthalmology (Poster Session): Hyperlipidemia and the Eye, Atlanta, Georgia, November 11, 1984.
- American College of Surgeons: Moderator of Ophthalmology Program, Coronado, California, January 20, 1985.

**Lectures and Presentations** (cont.)

California Cornea Club: Severe Corneal Trauma, Sacramento, California, February 22, 1985.

Long Beach Memorial Medical Center, Ophthalmology Conference (Guest Speaker): Captivating Corneal Cases, Long Beach, California, March 19, 1985.

Long Beach Memorial Medical Center, Ophthalmology Conference (Guest Speaker): Captivating Corneal Cases Part II, Long Beach, California, April 16, 1985.

Long Beach Community Hospital, Ophthalmology Forum: Corneal Transplantation, Long Beach, California, September 14, 1985.

Ocular Drug Therapy-Update 1985: Severe Corneal Ulceration Case Presentation, Irvine, California, September 27, 1985.

American College of Surgeons: Moderator of Ophthalmology Program, Palm Springs, California, January 19, 1986.

American College of Surgeons: Contact Lens-Associated Corneal Ulcers, Palm Springs, California, January 19, 1986.

Far Western Medical Association (Best Speaker Award): Current Concepts in Corneal Transplantation, Snowmass, Colorado, January 29, 1986.

California Cornea Club: Unusual Corneal Mass Lesion, Los Angeles, California, February 28, 1986.

Association for Research in Vision and Ophthalmology (ARVO): Excimer Laser Interaction with the Cornea, Sarasota, Florida, April 29, 1986.

Ocular Drug Therapy-Update 1986: Excimer Laser Corneal Alteration, Irvine, California, September 19, 1986.

American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 18, 1987.

American College of Surgeons: New Developments in Excimer Laser Corneal Surgery, Santa Barbara, California, January 18, 1987.

Far Western Medical Association: Traumatic Ophthalmic Injuries, Sun Valley, Idaho, February 4, 1987.

Aspen Corneal Society: Bilateral Corneal Hydrops with Neovascularization, Aspen, Colorado, February 25, 1987.

California Cornea Club: Bilateral Corneal Hydrops with Neovascularization, San Francisco, California, March 27, 1987.

## Lectures and Presentations (cont.)

Association for Research in Vision and Ophthalmology (ARVO):  
Corneal Shield Design for 193 nm Excimer Laser Surgery of  
Cornea, Sarasota, Florida, May 5, 1987.

Ocular Drug Therapy-Update 1987: Corneal Changes Following  
Excimer Laser Ablation, Irvine, California, October 1,  
1987.

Far Western Medical Association: Refractive Corneal  
Surgery: Past, Present and Future, Vail, Colorado,  
January 26, 1988.

California Cornea Club: Peripheral Corneal Degeneration  
Secondary to Rheumatoid Arthritis, La Jolla, California,  
March 25, 1988.

Association for Research in Vision and Ophthalmology (ARVO):  
Excimer Laser Ablation and Wound Healing of Superficial  
Cornea in Rabbits and Primates, Sarasota, Florida,  
May 5, 1988.

Ocular Drug Therapy-Update 1988: Excimer Laser in Corneal  
Wound Healing, Newport Beach, California, October 7, 1988.

American College of Surgeons: Moderator for Ophthalmology  
Program, Palm Springs, California, January 29, 1989.

American College of Surgeons: 193 nm Excimer Laser in Corneal  
Wound Healing, Palm Springs, California, January 29, 1989.

American Academy of Ophthalmology Western Regional Update  
Course: Management of Selected Epithelial Disorders:  
Recurrent Corneal Erosions, Thygeson's Superficial  
Punctate Keratitis and Superior Limbic Kerato-  
conjunctivitis, Irvine, California, August 25, 1989.

American College of Surgeons: Moderator of Ophthalmology  
Program, Santa Barbara, California, January 21, 1990.

American College of Surgeons: Penetrating Keratoplasty with  
Iris-Sutured Posterior Chamber Intraocular Lens Exchange,  
Santa Barbara, California, January 21, 1990.

Far Western Medical Association: 2000 Years of Surgery on the  
Lens to Improve Imaging of the Eye, Steamboat Springs,  
Colorado, January 30, 1990.

Far Western Medical Association: 200 Years of Surgery on the  
Cornea to Improve Imaging of the Eye, Steamboat Springs,  
Colorado, January 30, 1990.

Association for Research in Vision and Ophthalmology (ARVO):  
Moderator of Keratoplasty Session, Sarasota, Florida,  
May 4, 1990.

**Lectures and Presentations** (cont.)

Association for Research in Vision and Ophthalmology (ARVO):  
Results of Penetrating Keratoplasty with Posterior  
Chamber Intraocular Lens Implantation in the Absence of a  
Lens Capsule, Sarasota, Florida, May 4, 1990.

American Ophthalmological Society: Combined Penetrating  
Keratoplasty and Posterior Chamber Intraocular Lens  
Implantation in the Absence of a Lens Capsule, Hot Springs,  
Virginia, May 23, 1990

American College of Surgeons: Moderator of Ophthalmology  
Program, San Diego, California, January 20, 1991.

American College of Surgeons: Penetrating Keratoplasty  
Complications and Their Management, San Diego,  
California, January 20, 1991.

Far Western Medical Association: Advances in Drug Delivery  
Systems for Antibiotics in Corneal Infections, Vail,  
Colorado, February 1, 1991.

II International Congress on the Cornea, Lens, and Anterior  
Segment of the Eye (Visiting Professor), Sao Paulo, Brazil:  
Use of Collagen Shields in Corneal Disorders,  
February 28, 1991.

Penetrating Keratoplasty with Iris-sutured Posterior  
Chamber Intraocular Lens Exchange, February 28, 1991.

Management of Penetrating Keratoplasty Complications,  
March 1, 1991.

Classical Barraquer and Troutman Refractive Keratoplasty  
Procedures -- Their Place in Corneal Surgery, March 1, 1991.

Are the "Newer" Refractive Keratoplasty Procedures  
Efficacious? March 1, 1991.

Excimer Laser Photorefractive Keratectomy, March 2, 1991.

Contact Lens Association of Ophthalmologists (CLAO) Regional  
Update: Therapeutic Contact Lenses, Los Angeles,  
California, September 4, 1991.

Family Health Plan: Corneal Dystrophies, Fountain Valley,  
California, September 12, 1991.

Orange County Optometric Society: Corneal Degenerations and  
Dystrophies, Santa Ana, California, November 11, 1991.

American College of Surgeons: Moderator of Ophthalmology  
Program, Indian Wells, California, January 19, 1992.

American College of Surgeons: Update on Collagen Shields in  
Corneal Disorders, Indian Wells, California, January 19,  
1992.

Western Medical Center: Penetrating Keratoplasty with  
Intraocular Lens Exchange, Santa Ana, California,  
February 21, 1992.

**Lectures and Presentations** (cont.)

- Max Fine Corneal Society: Deep Scleritis with Secondary Keratitis, Irvine, California, March 13, 1992.
- American Society of Cataract and Refractive Surgery: Treatment of Pseudophakic Bullous Keratopathy, San Diego, California, April 12, 1992.
- Long Beach Memorial Medical Center, Ophthalmology Conference: Penetrating Keratoplasty with Iris-Sutured Posterior Chamber IOL Exchange, Long Beach, California, May 19, 1992.
- California Association of Ophthalmology: Corneal Trauma - Long Term Management, Dana Point, California, September 13, 1992.
- American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 24, 1993.
- American College of Surgeons: Post Penetrating Keratoplasty Astigmatism, Santa Barbara, California, January 24, 1993.
- American College of Surgeons: What's New In Ophthalmic Surgery, Newport Beach, California, January 21, 1994.
- American College of Surgeons: Moderator of Ophthalmology Program, Newport Beach, California, January 22, 1994.
- American College of Surgeons: Keratohematoma and Posterior Keratoconus, Newport Beach, California, January 22, 1994.
- American College of Surgeons: Moderator of Ophthalmology Program, Indian Wells, California, January 22, 1995.
- American College of Surgeons: Excimer Laser Photokeratectomy: Basic Principles, Indian Wells, California, January 22, 1995.
- Contact Lens Association of Ophthalmologists (CLAO) Regional Seminar: Therapeutic Contact Lenses, Irvine, California, March 11, 1995.
- Max Fine Corneal Society: Severe Bilateral Terrien's Marginal Corneal Degeneration with Central Opacification, San Francisco, California, March 24, 1995.
- University of Mississippi (Invited Speaker): Advances in Diseases and Surgery of the Cornea -- Update 1995, Jackson, Mississippi, June 10, 1995.
- American College of Surgeons: What's New in Ophthalmic Surgery, Santa Barbara, California, January 20, 1996.
- American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 21, 1996.

**Lectures and Presentations** (cont.)

American College of Surgeons: Double-Continuous Suture Technique in Penetrating Keratoplasty, Santa Barbara, California, January 21, 1996.

Max Fine Corneal Society: Ruptured Globe Following Radial and Transverse Keratotomy, San Diego, California, March 29, 1996

Long Beach V.A. Medical Center: Latest Techniques in Cataract Surgery, Directors Staff Meeting, Long Beach, California, January 7, 1997

American College of Surgeons: Moderator of Ophthalmology Program, Dana Point, California, January 19, 1997.

American College of Surgeons: Laser In-Situ Keratomileusis (LASIK) Update, Dana Point, California, January 19, 1997.

Max Fine Corneal Society: Corneal Burn During Phaco, San Francisco, California, March 7, 1997.

Long Beach Memorial Medical Center (Guest Speaker): LASIK -- the Good, the Bad and the Realistic, Long Beach, California, April 15, 1997.

Pacific Coast Oto-Ophthalmological Society: LASIK -- Concepts and Concerns, Coronado, California, June 23, 1997.

American College of Surgeons: Moderator of Ophthalmology Program, La Quinta, California, January 18, 1998.

American College of Surgeons: Comparison of Different Microkeratomes for LASIK, La Quinta, California, January 18, 1998.

Max Fine Corneal Society: Pellucid Marginal Corneal Degeneration, Los Angeles, California, March 6, 1998.

High-Power Laser Ablation 1998-SPIE's International Symposium (Invited Speaker): Excimer Laser Photorefractive Surgery of the Cornea, Santa Fe, New Mexico, April 28, 1998.

American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 24, 1999.

American College of Surgeons: LASIK Complications Seen in a Corneal Referral Practice, Santa Barbara, California, January 24, 1999.

The Aesculapian Society: Excimer Laser Photorefractive Corneal Surgery, Bugaboos, British Columbia, Canada, February 24, 1999.

American College of Surgeons: Moderator of Ophthalmology Program, Huntington Beach, California, January 23, 2000.



## Lectures and Presentations (cont.)

American College of Surgeons: Corneoplasty, A New Enzymatic Technique for Remodeling the Cornea -- Safety Studies, Huntington Beach, California, January 23, 2000.

Max Fine Corneal Society: LASIK after PK and AK, Irvine, California, March 3, 2000.

Annenberg Center for Health Sciences at Eisenhower -- Grand Rounds (Invited Speaker): LASIK - Refractive Surgery: Pros and Cons, Rancho Mirage, California, May 18, 2000.

Citrus Valley Medical Center - Grand Rounds (Invited Speaker): Refractive Corneal Surgery -- LASIK, Covina, California, June 27, 2000.

American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 21, 2001.

American College of Surgeons: Management of Postoperative Wound Dehiscence, Santa Barbara, California, January 21, 2001.

The Aesculapian Society: Ocular Trauma, Cariboos, British Columbia, Canada, February 11, 2001.

Max Fine Corneal Society: The "Pregnant" Cornea, San Francisco, California, March 23, 2001.

University of California, Irvine -- Grand Rounds: Management of Penetrating Keratoplasty Complications, Irvine, California, April 11, 2001.

Northridge Hospital Medical Center -- Grand Rounds: (Invited Speaker): The Red Eye: Diagnosis and Treatment, Van Nuys, California, April 12, 2001.

St. Jude Medical Center - Grand Rounds (Invited Speaker): LASIK, Fullerton, California, May 1, 2001.

St. Jude Medical Center - Grand Rounds (Invited Speaker): Common Ophthalmology For The Primary Care Physician, Fullerton, California, November 27, 2001.

American College of Surgeons: Moderator of Ophthalmology Program, Santa Barbara, California, January 20, 2002.

American College of Surgeons: Cataract and Intraocular Lens Surgery after Refractive Corneal Surgery, Santa Barbara, California, January 20, 2002.

The Aesculapian Society: Advances in Small Incision, Suture-less, Topical Anesthesia Cataract Surgery, Bugaboos, British Columbia, Canada, February 19, 2002.

## Lectures and Presentations (cont.)

- Max Fine Corneal Society: Recurrent Corneal Erosions with Endothelial Defect and Blunt Trauma History, Los Angeles, California, March 15, 2002.
- Downey Regional Medical Center -- Grand Rounds (Invited Speaker): The Red Eye: Diagnosis and Treatment, Downey, California, April 12, 2002.
- UCI Research Symposium - LASIK after Penetrating Keratoplasty for Keratoconus: Orange, California, May 17, 2002.
- Troutman Corneal Symposium: Several of Dr. Troutman's Pearls as Demonstrated in One Interesting Patient, New York, New York, October 10, 2002.
- The Aesculapian Society: New Advances in Corneal Transplantation for 2003, Adamants, British Columbia, Canada, February 18, 2003.
- Max Fine Society: Nocardia Keratitis, San Francisco, California, March 7, 2003.
- Veterans Integrated Service Network 22: Advanced Access for Ophthalmology, Long Beach, California, July 9, 2003.
- Cataract and Refractive Surgery, 2004 Update: Functional Vision And New IOL Technology, Irvine, California, February 7, 2004.
- The Aesculapian Society: Cataract Surgery in 2004 and Video Presentation, Galena, British Columbia, Canada, February 17, 2004.
- Hadassah University Medical Center (Invited Speaker): Management of Complications of Penetrating Keratoplasty, Jerusalem, Israel, November 22, 2004.
- The Aesculapian Society: New Accommodating Intraocular Lenses - Early Results, Bobbie Burns, British Columbia, Canada, February 9, 2005.
- UCI Cataract and Refractive Surgical Symposium: Results with the Crystalens Accommodating IOL, Irvine, California, April 30, 2005.
- Max Fine Cornea Society: Conjunctival Resection for Marginal Corneal Degeneration, University of California, San Diego, May 20, 2005.
- National Keratoconus Foundation (Invited Speaker): Corneal Transplantation for Keratoconus, The Beckman Center, Irvine, California, May 21, 2005.
- National Medical School, Manta, Ecuador (Invited Speaker): Corneal Transplantation, Cataract Surgery, New Intra-Ocular Lenses, Manta, Ecuador, May 31, 2005.

## Lectures and Presentations (cont.)

- VA Long Beach Healthcare System: General Medical Staff Meeting (Invited Speaker): Medical Mission to Ecuador, 2005, Long Beach, California, September 8, 2005.
- The Aesculapian Society: AlphaCor Synthetic Corneal Transplantation, Cariboo, British Columbia, Canada, February 8, 2006.
- Coastal Communities Hospital - Grand Rounds (Invited Speaker): Ophthalmology Update for the Primary Care Physician, Santa Ana, California, February 14, 2006.
- South Coast Medical Center: - Grand Rounds (Invited Speaker); Common Eye Problems for the Primary Care Physician, Laguna Beach, California, February 21, 2006.
- UC Irvine Eye Institute Collaboration Colloquium: Corneal Prosthesis Synthetic Corneal Transplantation for High Risk Patients, Irvine, California, June 3, 2006.
- UC Irvine Eye Institute Collaboration Colloquium: Moderator for Cornea Section, Irvine, California, June 3, 2006.
- Veterans Integrated Service Network 22: Advanced Care Access for Ophthalmology, Long Beach, California, August 2, 2006.
- Anaheim Memorial Medical Center Grand Rounds (Invited Speaker): Common Eye Problems for the Internal Medicine Physician, Anaheim, California, October 3, 2006.
- ORBIS International, Changsha, China, October 28, 2006 to November 3, 2006:  
Indications for Penetrating Keratoplasty  
Eye Banking  
Penetrating Keratoplasty Techniques  
Diagnosis and Management of Penetrating Keratoplasty Complications  
New Advances in Keratoplasty Techniques: IntraLase-Enabled Penetrating Keratoplasty.
- Unite for Sight's Fourth Annual International Health Conference (Invited Speaker): Improving Surgical Eye Care in Ecuador: Corneal Transplantation, Cataract and Pterygium Surgery, Stanford University School of Medicine, Palo Alto, California, April 14, 2007.
- UC Irvine Family Medicine -- Grand Rounds (Invited Speaker): The Red Eye - Diagnosis and Management, Santa Ana, California, June 18, 2007.
- Corneal Dystrophy Symposium (Invited Speaker): Femtosecond IntraLase Penetrating Keratoplasty for Fuchs' Corneal Dystrophy, San Jose, California, July 7, 2007.
- AlphaCor Users Meeting (Invited Speaker): Review of a Complicated AlphaCor Case, New Orleans, Louisiana, November 11, 2007.

## Lectures and Presentations (cont.)

- Long Beach V.A. Medical Center Staff Meeting (Invited Speaker):  
ORBIS International -- Teaching Corneal Transplantation in  
China, Long Beach, California, December 13, 2007.
- The Aesculapian Society: Femtosecond Laser Assisted Penetrating  
Keratoplasty, Caribboos, British Columbia, Canada,  
February 6, 2008.
- The Aesculapian Society: ORBIS Mission to China, Caribboos, British  
Columbia, Canada, February 6, 2008.
- Max Fine Cornea Society: Femtosecond Laser Assisted Penetrating  
Keratoplasty: What to do About Suction Loss, Stanford  
University, Stanford, California, March 7, 2008.
- VISN 22 Systems Redesign Access Meeting: Eye Clinic Advanced Clinic  
Access, Long Beach, California, March 19, 2008.
- Long Beach V.A. Medical Center Staff Meeting (Invited Speaker):  
Improving Eye Clinic Access, Long Beach, California,  
September 11, 2008.
- The Gavin Herbert Eye Institute Annual Colloquium:  
Moderator, Refractive Corneal and Cataract Surgery:  
Presbyopia IOLs and Beyond, Irvine, California,  
October 11, 2008.
- The Gavin Herbert Eye Institute Annual Colloquium:  
Advances in Pterygium Surgery, Irvine, California,  
October 11, 2008.
- Kilimanjaro Centre for Community Ophthalmology: Introduction to  
Penetrating Keratoplasty Techniques and Eye Banking, Moshi,  
Tanzania, December 10, 2008.
- Montana Academy of Ophthalmology (Invited Speaker): Grand Rounds  
Discussion, Big Sky, Montana, February 22, 2009
- Montana Academy of Ophthalmology (Invited Speaker): Corneal  
Challenges in Cataract Surgery Patients, Big Sky, Montana,  
February 23, 2009.
- Montana Academy of Ophthalmology (Invited Speaker): Advances in  
Pterygium Surgery, Big Sky, Montana, February 24, 2009.
- Montana Academy of Ophthalmology (Invited Speaker): Femtosecond  
Laser Penetrating Keratoplasty, Big Sky, Montana,  
February 24, 2009.
- Montana Academy of Ophthalmology (Invited Speaker): New Techniques  
in Corneal Transplant Surgery - FLEK, DALK, DLEK, DSEK, DSAEK,  
DMEK, Big Sky, Montana, February 24, 2009.
- Max Fine Cornea Society: Moderator of meeting, Beckman Laser  
Institute, University of California, Irvine, March 13, 2009.

## Lectures and Presentations (cont.)

- Max Fine Cornea Society: Irregular Pupil ICE Syndrome, Beckman Laser Institute, University of California, Irvine, March 13, 2009.
- Imaging and Measurement Techniques in Ophthalmology: Confocal Images in ICE Syndrome, Beckman Center for the National Academies of Science, University of California, Irvine, April 25, 2009.
- Veterans Integrated Service Network 22: Advanced Clinic Access for Ophthalmology, Long Beach, California, May 13, 2009.
- SUNY Downstate Medical Center (Invited Speaker - Richard C. Troutman, M.D. Lecture): Femtosecond Laser Enabled Penetrating Keratoplasty, Brooklyn, New York, June 11, 2009.
- Gavin Herbert Eye Institute Colloquium: Moderator, Refractive Corneal and Cataract Surgeries: Presbyopia IOLs and Beyond, Irvine, California, Sept. 26, 2009
- Gavin Herbert Eye Institute Colloquium: Corneal Collagen Cross-Linking for Keratoconus and Ectasia, Irvine, California, September 26, 2009.
- Aspen Corneal Society: Results of Femtosecond Laser in PK and DALK, Snowmass, Colorado, February 16, 2010.
- International Congress on Surface Ablation, Femto-Lasers and Cross-Linking: Evaluating the Optimal UV Irradiation Treatment Parameters for CXL, Weston, Florida, May 1, 2010.
- Association for Research in Vision and Ophthalmology (ARVO): Post-Operative Astigmatism in Femtosecond Laser Enabled Keratoplasty: Effect of Radial Alignment Marks, Fort Lauderdale, Florida, May 2, 2010.
- Association for Research in Vision and Ophthalmology (ARVO): Comparison Study of Ultraviolet A Irradiance of  $3\text{mW}/\text{cm}^2$  versus  $9\text{mW}/\text{cm}^2$  With Riboflavin on Corneal Collagen Cross-Linking Efficacy in Rabbit Eyes, Fort Lauderdale, Florida, May 5, 2010.
- Association for Research in Vision and Ophthalmology (ARVO): Collagen Autofluorescence as a Marker for UVA-Riboflavin Corneal Crosslinking, Fort Lauderdale, Florida, May 5, 2010.
- Orange County Vision Symposium (Discovery Eye Foundation): Corneal Cross-Linking and Research for the Future, Irvine, California, June 26, 2010.
- American Academy of Ophthalmology Course 443: Surgical Correction of Astigmatism - Advances in Corneal Cross-Linking (CXL), Chicago, Illinois, October 18, 2010.
- Northridge Hospital Medical Center (Invited Speaker): Advances in Refractive Surgery, Northridge, California, January 28, 2011.

## Lectures and Presentations (cont.)

- Aspen Corneal Society: Moderator, Pterygium Surgical Techniques and Amniotic Membrane Transplants, Snowmass, Colorado, February 22, 2011.
- Aspen Corneal Society (Invited Speaker): Corneal Cross-Linking and/or Intacs for Keratoconus and Post-LASIK Ectasia, Snowmass, Colorado, February 23, 2011.
- Aspen Corneal Society: Moderator, Corneal Cross-Linking and Laser Vision Complications, Snowmass, Colorado, February 25, 2011.
- Mohave Desert Society (Invited Speaker): Corneal Cross-Linking Advances for Keratoconus and Post-LASIK Ectasia, Mammoth Lakes, California, March 11, 2011.
- Kaiser Permanente Ophthalmology Symposium (Invited Speaker): Femtosecond Laser Advances in Corneal Surgery (PK, DALK, Intacs, AK), Anaheim, California, June 18, 2011.
- Discovery Eye Foundation Board of Directors meeting (Invited Speaker): Advances in Corneal Cross-Linking, Newport Beach, California, June 25, 2011.
- Orange County Society of Ophthalmology (Invited Speaker): Corneal Cross-Linking and/or Intacs for Keratoconus or Post-LASIK Ectasia, Newport Beach, California, September 8, 2011.
- XXIX Congress of the European Society of Cataract and Refractive Surgeons: Femtosecond Laser Penetrating Keratoplasty for Keratoconus, Vienna, Austria, September 20, 2011.
- American Academy of Ophthalmology Course 532: Surgical Correction of Astigmatism - Corneal Cross-Linking and/or Intacs for Progressive Keratoconus or Post-LASIK Ectasia, Orlando, Florida, October 25, 2011.
- Gavin Herbert Eye Institute Colloquium, University of California, Irvine: Update on Corneal Cross-Linking, Newport Beach, California, November 4, 2011.
- Pacifica Hospital of the Valley (Invited Speaker): Common Eye Problems for the Primary Care Physician, Sun Valley, California, December 15, 2011.
- Ventura County Medical Center (Invited Speaker): Ophthalmology for the Primary Care Physician, Ventura, California, February 1, 2012.
- Discovery Eye Foundation Meeting: Laser Corneal Cross-Linking: A New Advance for Stabilization of Keratoconus, Irvine, California, February 4, 2012.
- Aspen Corneal Society: Corneal Cross-Linking Update 2012, Snowmass, Colorado, February 22, 2012.

## Lectures and Presentations (cont.)

- Aspen Corneal Society: Descemet's Stripping Automated Endothelial Keratoplasty: Needle Insertion Technique, Snowmass, Colorado, February 23, 2012.
- Aspen Corneal Society: Black Scleral Lesions, Snowmass, Colorado, February 24, 2012.
- Bausch & Lomb Advanced Cataract Surgery Course: Peripheral Corneal Relaxing Incisions, Newport Beach, California, March 17, 2012.
- Corneal Cross-Linking Congress: Corneal Cross-Linking in Teenagers, Deer Valley, Utah, July 29, 2012.
- Direct Needle Insertion of Corneal Lenticule for Descemet's Stripping Automated Endothelial Keratoplasty (poster), 3<sup>rd</sup> EuCornea Congress, Milan, Italy, September 6, 2012.
- Gavin Herbert Eye Institute Colloquium, University of California, Irvine: Corneal Cross-Linking in Teenagers, Newport Beach, California, October 13, 2012.
- Pacific Eye Institute: Advances in Corneal Collagen Cross-Linking, Ontario, California, November 1, 2012.
- American Academy of Ophthalmology, Course 431: Surgical Correction of Astigmatism - Surgical Strategies for the Treatment of Keratoconus and Post-LASIK Ectasia, Chicago, Illinois, November 12, 2012.
- 8<sup>th</sup> International Congress of Corneal Cross-Linking (Featured Speaker): Keratoconus, Pellucid Marginal Degeneration, and Iatrogenic Keratectasia: Established and New Indications, Patient Selection, Geneva, Switzerland, December 7, 2012.
- 8<sup>th</sup> International Congress of Corneal Cross-Linking: Comparison of Laser-Assisted Removal of Epithelium to Mechanical Debridement in Corneal Cross-Linking for Progressive Keratoconus: 6-Month Results (poster 15), Geneva, Switzerland, December 8, 2012.
- Aspen Corneal Society: Laser-Assisted Corneal Cross-Linking and Corneal Cross-Linking in Teenagers, Snowmass, Colorado, February 22, 2013.
- Max Fine Cornea Society: Corneal Cross-Linking in Teenagers: Laser-Assisted vs. Mechanical Epithelial Debridement, Doheny Eye Institute, Los Angeles, California, May 10, 2013.
- International Congress on Surface Ablation, Femto-Lasers & Cross-Linking: Laser-Assisted PTK Removal of Epithelium in CXL for Progressive Keratoconus in Teenagers, Deer Valley, Utah, August 4, 2013.
- "The Doctors" TV Show: Discussion of Acanthamoeba Keratitis, Contact Lens Care Mistakes and Contacts vs. LASIK, Hollywood, California, October 9, 2013.

## Lectures and Presentations (cont.)

- Gavin Herbert Eye Institute Colloquium, University of California, Irvine: Corneal Cross-Linking for Teenagers with Progressive Keratoconus, Newport Beach, California, October 12, 2013.
- American Academy of Ophthalmology, Refractive Surgery Specialty Day: Comparison of Laser-Assisted PTK Removal of Epithelium to Manual Debridement in CXL for Progressive Keratoconus, New Orleans, Louisiana, November 15, 2013.
- American Academy of Ophthalmology, Course #LEC108: Surgical Correction of Astigmatism. Corneal Cross-Linking for Teenagers with Progressive Keratoconus, New Orleans Louisiana, November 17, 2013.
- "The Doctors" TV Show: Bodily Fluids and Tears; Contact Lens-Induced Corneal Infection, Hollywood, California, February 13, 2014.
- Aspen Corneal Society: Femtosecond Laser-Assisted Penetrating Keratoplasty for Keratoconus, Snowmass, Colorado, February 19, 2014.
- XIII International Congress of Cataract and Refractive Surgery (International Invited Guest Speaker): Femtosecond Laser-Assisted Penetrating Keratoplasty for Keratoconus, Rio de Janeiro, Brazil, April 4, 2014.
- XIII International Congress of Cataract and Refractive Surgery (International Invited Guest Speaker): An Easy, Inexpensive, Safe Insertion Technique for DSAEK Lenticules, Rio de Janeiro, Brazil, April 4, 2014.
- "The Doctors" TV Show: Management of Keratoconus with videos of Corneal Cross-Linking and Femtosecond Laser-Assisted Corneal Transplantation, Hollywood, California, April 18, 2014.
- American Society of Cataract and Refractive Surgery, Course 28-106: Early Detection and Management of Keratoconus, Including Collagen Crosslinking (Course Director), Boston, Massachusetts, April 28, 2014.
- American Society of Cataract and Refractive Surgery, Paper Session 4-C: Cornea DSEK, DMEK, DALK (Panelist), Boston, Massachusetts, April 29, 2014.
- International Congress on Surface Ablation, Femto-Lasers & Cross-Linking: Update on Pediatric Collagen Corneal Cross-Linking for Progressive Keratoconus, Deer Valley, Utah, July 28, 2014.
- V EuCornea Annual Congress London (Keynote Speaker): Defining Disease Progression of Keratoconus, London, England, September 12, 2014.
- Cornea Society/Eye Bank Association of America Fall Educational Symposium: Results of Pediatric Corneal Collagen Cross-Linking for Progressive Keratoconus, Chicago, Illinois, October 17, 2014.



## Lectures and Presentations (cont.)

- American Academy of Ophthalmology, Course #LEC133: Surgical Correction of Astigmatism. Corneal Collagen Cross-Linking in Adolescents with Progressive Keratoconus, Chicago, Illinois, October 20, 2014.
- Gavin Herbert Eye Institute Colloquium, University of California, Irvine: Corneal Collagen Cross-Linking for Adolescents with Progressive Keratoconus, Irvine, California, November 8, 2014.
- 4<sup>th</sup> Asia Cornea Society Scientific Meeting (Invited Speaker): Corneal Collagen Cross-Linking in Adolescents with Progressive Keratoconus, Taipei, Taiwan, December 11, 2014.
- 15<sup>th</sup> International Congress on Wavefront & Presbyopic Refractive Corrections: Results of Corneal Collagen Cross-Linking in 100 Eyes of Adolescents (ages 10-19) with Progressive Keratoconus, Santa Barbara, California, January 31, 2015.
- Aspen Corneal Society: A New Pachymetry Asymmetry (PA/I-S) Index for the Early Detection of Keratoconus, Snowmass, Colorado, February 18, 2015.
- JCAHPO Continuing Education Program (Invited Speaker): Corneal Collagen Cross-Linking for Keratoconus and Post-LASIK Ectasia, Costa Mesa, California, March 7, 2015.
- Advanced Refractive Congress: Comparison of PTK Epithelial Removal with Manual Debridement in CXL for Progressive Keratoconus, Deer Valley, California, August 2, 2015.
- 3<sup>rd</sup> World Congress of Paediatric Ophthalmology and Strabismus: Corneal Collagen Cross-Linking in 100 Eyes of Adolescents with Progressive Keratoconus (poster), Barcelona, Spain, September 4, 2015.
- XXXIII Congress of the European Society of Cataract and Refractive Surgeons: Results of Corneal Collagen Cross-Linking in Adolescents with Progressive Keratoconus (poster), Barcelona, Spain, September 5, 2015.
- Annenberg Center for Health Sciences at Eisenhower -- Grand Rounds (Invited Speaker): Common Ophthalmology Problems for the PCP, Internal Medicine Physician and Resident Doctor, Rancho Mirage, CA, November 5, 2015.
- Katena Booth lecture (Invited Speaker): AmbioDisk for Chronic Non-Healing Corneal Ulcers, Las Vegas, Nevada, November 14, 2015.
- Lumenis Roundtable Symposium (Invited Speaker): IPL for Medical and Aesthetic Applications in the Ophthalmic Practice: The Correlation Between Dry Eye and Skin Disorders, Las Vegas, Nevada, November 14, 2015.
- JCAHPO Annual Meeting Continuing Education Program (Invited Speaker): Corneal Collagen Cross-Linking for Keratoconus and Post-LASIK Ectasia, Las Vegas, Nevada, November 15, 2015.

## Lectures and Presentations (cont.)

- American Academy of Ophthalmology, Course #LEC134: Surgical Correction of Astigmatism. Comparison of PTK Epithelial Removal With Manual Debridement in CXL For Progressive Keratoconus, Las Vegas, Nevada, November 16, 2015.
- American Academy of Ophthalmology, Course #LEC493 (Course Director): Early Detection and Management of Keratoconus, Including Corneal Collagen Cross-linking, Las Vegas, Nevada, November 16, 2015.
- Valley Presbyterian Hospital Grand Rounds (Invited Speaker): The Red Eye, Van Nuys, California, December 1, 2015.
- 11<sup>th</sup> International Congress of Corneal Cross-Linking: Comparison of PTK Epithelial Removal with Manual Debridement in CXL for Progressive Keratoconus, Boston, Massachusetts, December 5, 2015.
- Aspen Corneal Society: A Novel Treatment for Rosacea and Dry Eyes: IPL (Intense Pulsed Light), Snowmass, Colorado, February 17, 2016.
- Aspen Corneal Society: Update on Keratoconus and CXL 2016 and Complex Cases, Snowmass, Colorado, February 18, 2016.
- Lumenis Symposium on IPL: M22 IPL with OPT™ - a New Treatment Technique for MGD, Melbourne, Australia, March 7, 2016; Brisbane, Australia, March 10, 2016 and New South Wales, Australia, March 17, 2016.
- American Society of Cataract and Refractive Surgery, Symposium: Controversies in Anterior Segment Surgery: Corneal Cross-Linking: When Do You Treat Keratoconus? Adolescence (Invited Speaker), New Orleans, Louisiana, May 9, 2016.
- Providence Holy Cross Medical Center (Invited Speaker): Common Eye Disorders for the Primary Care Physician, Mission Hills, California, June 14, 2016.
- Advanced Refractive Congress (Invited Speaker): Initial Results of a Prospective Study Using Intense Pulsed Light (IPL) for MGD, Miami Beach, Florida, July 31, 2016.
- American Academy of Ophthalmology, Course #LEC129: The Surgical Correction of Astigmatism. CXL for Progressive Keratoconus in Adolescents - 2-year results, Chicago, Illinois, October 16, 2016.
- Citrus Valley Medical Center Grand Rounds (Invited Speaker): Keep a Clear Eye: Cataracts, Covina, California, November 8, 2016.
- Annenberg Center for Health Sciences at Eisenhower -- Grand Rounds (Invited Speaker): Common Ophthalmology Problems for the PCP, Rancho Mirage, California, November 10, 2016.
- Aspen Corneal Society: Early Results of 4 mm Descemetorhexis for Fuchs' Endothelial Dystrophy, Snowmass, Colorado, February 21, 2017.

## **Lectures and Presentations** (cont.)

Aspen Corneal Society: Results of a Prospective Study Using Intense Pulsed Light (IPL) for MGD, Snowmass, Colorado, February 22, 2017.

Huntington Beach Hospital (Invited Speaker): Diseases of the Eye: Corneal, Cataracts and Glaucoma, Huntington Beach, California, April 20, 2017.

Eye Care for Animals 2017 Veterinary Ophthalmology Conference (Invited Speaker): Corneal Collagen Cross-Linking. Scottsdale, Arizona, April 28, 2017.

American Society of Cataract and Refractive Surgery: Corneal Collagen Crosslinking Complications with Keratoglobus (poster), Los Angeles, California, May 5, 2017.

American Society of Cataract and Refractive Surgery: Panelist on Endothelial Keratoplasty and DMEK Surgery, Los Angeles, California, May 6, 2017.

Los Angeles County Optometric Society (Invited Speaker): Cornea Case Presentation: Keratoconus, Hydrops, CXL, IEK, Los Angeles, California, August 6, 2017.

Lumenis meeting (Invited Speaker): Using Lumenis M22 with OPT™ Intense Pulsed Light (IPL) for MGD: Results of a Prospective Study, San Jose, California, September 13, 2017.

Tilganga Institute of Ophthalmology (Invited Speaker): Ocular Surface Squamous Neoplasia, Kathmandu, Nepal, September 25, 2017.

American Academy of Ophthalmology Refractive Surgery Subspecialty Day: Corneal Collagen Cross-Linking (CXL) Complications with Keratoglobus (poster 30053504), New Orleans, Louisiana, November 10, 2017.

Optovue Booth Lecture (Invited Speaker): Corneal Epithelial Mapping, New Orleans, Louisiana, November 11, 2017.

American Academy of Ophthalmology, Course #LEC136: The Surgical Correction of Astigmatism. Corneal Collagen Cross-Linking for Progressive Keratoconus in Adolescents: 3-Year Results, New Orleans, Louisiana, November 12, 2017.

Aspen Corneal Society: Colored Iris Implants: Corneal Edema, Glaucoma, Iris Atrophy and PAS, Snowmass, Colorado, February 21, 2018.

Aspen Corneal Society: Unusual Corneal Discoloration, Snowmass, Colorado, February 21, 2018.

Aspen Corneal Society: Ocular Graft Versus Host Disease, Snowmass, Colorado, February 21, 2018.

## Lectures and Presentations (cont.)

- UCLA Department of Ophthalmology Annual Seminar (Invited Speaker): Corneal Collagen Crosslinking in Pediatric Keratoconus: Treatment, Indications and Outcomes, Los Angeles, California, June 9, 2018.
- Advanced Refractive Congress (Invited Speaker): Corneal Cross-Linking for Pediatric Keratoconus, Fort Lauderdale, Florida, July 28, 2018.
- American Academy of Ophthalmology Refractive Surgery Subspecialty Day: Corneal Collagen Crosslinking for Pediatric Keratoconus: Two-Year Data (poster 30057476), Chicago, Illinois, October 26, 2018.
- American Academy of Ophthalmology, Course #LEC118: INTACS Surgery for High Astigmatism in Keratoconus, Chicago, Illinois, October 28, 2018.
- Aspen Corneal Society: Intacs Surgery for High Astigmatism in Keratoconus, Snowmass, Colorado, February 20, 2019.
- Aspen Corneal Society: Aarskog-Scott Syndrome (Facio-digito-genital Dysplasia), Snowmass, Colorado, February 21, 2019.
- American Society of Cataract and Refractive Surgery: Comparison of Corneal Collagen Cross-Linking (CXL) Alone Versus CXL with Intacs for Progressive Keratoconus (KC): A 2-Year Prospective Clinical Trial, San Diego, California, May 6, 2019.
- Nethradhama Super Specialty Eye Hospital (invited lecture): Corneal Collagen Cross-Linking (CXL) and/or Intacs for Progressive Keratoconus, Bangalore, India, May 15, 2019.
- American-European Congress of Ophthalmic Surgery: Discussant on CXL in Children, Deer Valley, Utah, July 14, 2019.
- American Academy of Ophthalmology Annual Meeting - Sym29: Crosslinking for Corneal Ectasia: Real World Experience (invited speaker): CXL in Children, San Francisco, California, October 13, 2019.
- Pediatric Keratoplasty Association (invited speaker): Corneal Collagen Cross-Linking for Progressive Keratoconus in Adolescents: 3-Year Prospective Results, San Francisco, California, October 14, 2019.
- American Academy of Ophthalmology, Course #LEC147: SMILE - A New, Less Invasive Laser Corneal Refractive Surgery, San Francisco, California, October 14, 2019.
- Emanate Health Intercommunity Hospital Grand Rounds (invited speaker): Ophthalmology for the Primary Care Physician, Covina, California, October 22, 2019.
- 13<sup>th</sup> Annual Gavin Herbert Eye Institute Colloquium: SMILE vs. LASIK - How to Decide, Irvine, California, November 1, 2019.
- 7<sup>th</sup> National Meeting of the Cornea Society of India - Keracon 2019 (invited speaker): Corneal Cross-Linking for Progressive Keratoconus in Adolescents, Kumarakom, India, December 14, 2019.

## Lectures and Presentations (cont.)

- 7<sup>th</sup> National Meeting of the Cornea Society of India - Keracon 2019: invited panelist for Corneal Collagen Cross-linking session, Kumarakom, India, December 14, 2019.
- 7<sup>th</sup> National Meeting of the Cornea Society of India - Keracon 2019: Invited panelist for Keratoconus: Out of the box session, Kumarakom, India, December 14, 2019.
- 7<sup>th</sup> National Meeting of the Cornea Society of India - Keracon 2019 (invited speaker): Treatment Options for Meibomian Gland Disease, Kumarakom, India, December 14, 2019.
- 7<sup>th</sup> National Meeting of the Cornea Society of India - Keracon 2019 (invited Keynote Lecturer): Refractive Surgery Complications: Post-LASIK Ectasia, Kumarakom, India, December 15, 2019.
- American-European Congress of Ophthalmic Surgery: Discussant on CXL, Refractive and Therapeutics, Aspen, Colorado, February 26, 2020.
- World Society of Paediatric Ophthalmology and Strabismus (WSPOS) World Wide Connect 2020: Results of Corneal Collagen Cross-Linking (CXL) in Adolescents with Progressive Keratoconus - A 3-year Prospective Study, Virtual paper, Amsterdam, The Netherlands, September 26, 2020.
- American Academy of Ophthalmology, Course #LAB113A: Details of Relaxing Incisions (video), Las Vegas, Nevada (virtual), November 13, 2020.
- American-European Congress of Ophthalmic Surgery: Panelist on Unusual Ectasia, Deer Valley, Utah, July 18, 2021.
- American Society of Cataract and Refractive Surgery Journal Club: Results of Corneal Cross-Linking in Adolescents with Progressive Keratoconus - A Prospective Study, Zoom meeting, October 14, 2021.
- American Academy of Ophthalmology, Course #LEC103: SMILE - A New, Less Invasive Laser Corneal Refractive Surgery, New Orleans, Louisiana, November 13, 2021.
- American Academy of Ophthalmology, Course #LAB103A (Course Director): Corneal Incisions to Correct Astigmatism, New Orleans, Louisiana, November 13, 2021.
- American-European Congress of Ophthalmic Surgery: Panelist on Refractive Surgery Challenges, Aspen, Colorado, March 2, 2022.
- Santa Barbara Society of Ophthalmology (invited speaker): The Oxervate Symposium: Targeting the Root Pathogenesis of Neurotrophic Keratitis, Santa Barbara, California, May 18, 2022.
- American-European Congress of Ophthalmic Surgery: Panelist on One SMILE Too Many, Deer Valley, Utah, July 10, 2022.

**Lectures and Presentations** (cont.)

American-European Congress of Ophthalmic Surgery: Panelist on Refractive Surgery Candidacy in the Era of Genetic Screening, Deer Valley, Utah, July 10, 2022.

American-European Congress of Ophthalmic Surgery: Panelist on On the Brink of Disaster: Suction Break!, Deer Valley, Utah, July 10, 2022.

Annenberg Center For Health Sciences at Eisenhower Grand Rounds (invited speaker): Common Ophthalmology Disorders in General Medicine, Rancho Mirage, California, July 14, 2022.

International Keratoconus Academy of Eyecare Professionals (invited Speaker): Corneal Collagen Cross-Linking for Progressive Keratoconus in Adolescents: 3-Year Prospective Results, zoom international meeting, August 17, 2022.

World Cornea Congress: Unusual Pseudophakic Corneal Edema OU (poster), Chicago, Illinois, September 28, 2022.

Wright Pre-Academy Pediatric Ophthalmology Meeting - IPOS IX: Corneal Cross-Linking for Progressive Keratoconus in Adolescents: a 3-year prospective study, Chicago, Illinois, September 29, 2022.

## Publications

1. **Gaster, R.N.**, Davidson, T.M., Rand, R.W. and Fonkalsrud, E.W.: Comparison of nerve regeneration rates following controlled freezing or crushing. Arch. Surgery 103:378-383, 1971.
2. Johnston, P.B., **Gaster, R.N.**, Smith, V.C. and Tripathi, R.C.: A Clinicopathologic study of autosomal dominant optic atrophy. Am. J. Ophthal. 88:868-875, 1979.
3. Troutman, R.C., Swinger, C. and **Gaster, R.N.**: A physiologic alternative to alloplastic lens implant. Corneal refractive surgery. Palestra Oftal. Panamericana 3:48, 1979.
4. **Gaster, R.N.**, and Duda, E.E.: Localization of intraocular foreign bodies by computed tomography. Ophthal. Surg. 11:25- 29, 1980.
5. Troutman, R.C. and **Gaster, R.N.**: Combined keratoplasty techniques, in Transactions of the New Orleans Academy of Ophthalmology, Symposium on Medical and Surgical Diseases of the Cornea, St. Louis, C.V. Mosby, 1980, Chapter 14, pp. 284-312.
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8. **Gaster, R.N.** and Leopold, I.H.: Common corneal conditions. Family Practice Recertification 2:33-43, 1980.
9. Troutman, R.C. and **Gaster, R.N.**: Surgical advances and results of keratoconus. Am. J. Ophthal. 90:131-136, 1980.
10. Troutman, R.C., Swinger, C.A. and **Gaster, R.N.**: Refractive keratoplasty, in Barraquer, J. (ed.): Refractive keratoplasty: Compilation of Reprints, Volume 3, Bogota, Colombia, Instituto Barraquer de America, 1980.
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12. **Gaster, R.N.**: Healon in intraocular surgery. Audio-Digest Ophthal. 18(23), 1980.
13. Tripathi, R.C., Tripathi, B.J. and **Gaster, R.N.**: Clinicopathologic study of Peters' anomaly, in The Cornea in Health and Disease (With Congress of the European Society of Ophthalmology): Royal Society of Medicine International Congress and Symposium Series, No. 40, Academic Press, 1981, pp. 1147-1151.

**Publications** (cont.)

14. **Gaster, R.N.** and Leopold, I.H.: Pharmacologic principles in the treatment of corneal disease, in Duane, T.D. and Jaeger, E.A. (eds.): Biomedical Foundations of Ophthalmology, Philadelphia, Harper and Row, 1982, Chapter 46, Volume 3, pp. 1-12.
15. **Gaster, R.N.**, Boone, W.B. and Woesner, R.E.: Effectiveness of keratophakia as a secondary procedure. Invest. Ophthal. Vis. Sci. 22 (suppl.):130, 1982.
16. **Gaster, R.N.:** The red eye. Audio-Digest Pediatrics 29(11), 1983.
17. Smith, B.R., **Gaster, R.N.**, Leopold, I.H. and Zeleznick, L.D.: Forskolin, a potent adenylate cyclase activator, lowers rabbit IOP. Invest. Ophthal. Vis. Sci. 24(suppl.):4, 1983.
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19. Rodrigues, M.M., **Gaster, R.N.** and Pratt, M.V.: Unusual superficial confluent form of granular corneal dystrophy. Ophthalmology 90: 1507-1511, 1983.
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21. Anderson, J., Maedo, W., Davis, W. and **Gaster, R.:** Effects of allergy on tear components. Int'l. Tear Film Symp. 39:61, 1984.
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24. Banker, D.E. and **Gaster, R.N.:** Endocapsular cataract surgery. Invest. Ophthal. Vis. Sci. 25(suppl.):336, 1984.
25. **Gaster, R.N.:** Overview of refractive surgery and results of secondary keratophakia. Audio-Digest Ophthal. 23(19), 1985.
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29. Wandel, T., Charap, A., Lewis, R.A., Partamian, L., Cobb, S., Lue, J., Novack, G.D., **Gaster, R.**, Smith, J., Duzman, E.: Glaucoma treatment with once-daily levobunolol - Reply to Letter. Am. J. Ophthalm. 102:544-547, 1986.
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**Publications** (cont.)

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