

CURRICULUM VITAE

PERSONAL: Birthplace: Brooklyn, New York
Marital Status: Married to Sandra C. Singer
Children: Adam David
Ruth Eve

EDUCATION: State University of New York
Downstate Medical Center
Brooklyn, N.Y.
M.D. Degree, 1981
State University of New York
Albany, N.Y.
B.S. Degree, Summa cum Laude, 1977

INTERNSHIP: Long Island College Hospital
Brooklyn, N.Y.
(Flexible Internal Medicine) 1981-82

RESIDENCY: Friedenwald Eye Institute
Maryland General Hospital
Baltimore, Maryland
(Ophthalmology) 1982-85

CERTIFICATION: National Board of Medical Examiners, 1982
American Board of Ophthalmology, 1987

LICENSURE: Vermont, August 1985 - present
New Hampshire, August 1985 - 2004

PROFESSIONAL MEMBERSHIPS: International Intra-Ocular Implant Club, 2006
American Academy of Ophthalmology, Fellow 1988
Quality of Care Panel on Anterior Segment 1995
Self-Assessment Committee on Cataract and Anterior Segment Surgery, 2003
American Society of Cataract and Refractive Surgery, 1990
Scientific Advisory Board, 1995-1997
Film Festival Judge, 2000, 2002
New England Ophthalmological Society, Fellow 1988
Program Committee 1990-1994
Vermont Ophthalmological Society
Vermont State Medical Society

ACADEMICS

Teaching / Faculty Service

- 1989
May
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Capsulorhexis"
- 1989
July
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Endocapsular Phacoemulsification"
- 1989
October
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Pseudophakia with Iritis Vitreous Hemorrhage and Secondary Glaucoma"
- 1989
December
New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA
Paper and Clinical Presentation: "Capsulorhexis"
- 1989
December
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Capsulorhexis"
- 1990
February
Dartmouth-Hitchcock Medical Center
New Techniques in Phacoemulsification
Killington, VT
Course Director and Moderator
Clinical Presentations: "Capsulorhexis and Hydrodissection," and
"Intercapsular Phacoemulsification, Disc-Shaped IOL's, and Horizontal
Running Wound Closure"
- 1990
February
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Intercapsular Phacoemulsification with Horizontal
Running Closure"

1990
March
American Society of Cataract and Refractive Surgery
Annual Symposium
Los Angeles, CA
Film Festival Award, Cataract/Implant: "Intercapsular Phacoemulsification with Two-Stage Capsulorhexis, Implantation of Disc-Shaped IOL's, and Horizontal Running Wound Closure"

1990
March
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "ASCRS Highlight"

1990
April
New England Ophthalmological Society
Meeting on Anterior Segment Problems
Boston, MA
Panelist: "Anterior Segment Problems Related to Intraocular Lenses and Cataract Surgery"

1990
May
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Principles of IOL Repositioning and Exchange - Part I"

1990
June
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Principles of IOL Repositioning and Exchange - Part II"

1990
October
American Academy of Ophthalmology
Annual Meeting
Atlanta, GA
Video Program Presentation: "Anatomy-Assisted Intercapsular Phaco with Implantation of Disc-Shaped IOL's and The Frown Incision"

1990
October
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Anatomy Assisted Intercap Phaco"

1990
December
New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA
Co-Chairman and Moderator
Papers and Clinical Presentations: "Setting the Dials - Understanding the Phacoemulsification Machine" and "Anatomy-Assisted Intercapsular Phacoemulsification"

Video Program Presentation: "Frown Incision: the Key to Preventing Astigmatic Change"

1991
February

New Techniques in Phacoemulsification
Surgical Design, Inc.
Killington, VT
Faculty
Clinical Presentations: "Frown Incision" and
"Anatomy-Assisted Intercapsular Phaco"

1991
April

American Society of Cataract and Refractive Surgery
Annual Symposium
Boston, MA
Faculty
Papers and Clinical Presentations: "Anatomy-Assisted Intercapsular Phacoemulsification: Added Protection and Control" and "Frown Incision for Preventing Induced Astigmatism: A One Year Follow-Up"
Course Presentation: Capsulorhexis, Intercapsular Viscophaco Surgery, and Small Incision Sutureless Lens Implantation.
Film Festival Video Presentations: "Anatomy-Assisted Intercapsular Phacoemulsification: Added Protection and Control" and "Frown Incision: The Key to Preventing Induced Astigmatism."

1991
June

American Academy of Ophthalmology
Northeast Regional Update Course
Cambridge, MA
Faculty
Clinical Presentation: "Innovations in Incision and Closure Techniques"

1991
September

IX European Intraocular Implantlens Congress -
V European Refractive Surgery Symposium
Valencia, Spain
Faculty
Paper and Clinical Presentation: "Frown Incision for Minimizing Induced Astigmatism after Phacoemulsification with Rigid Optic IOL Implantation"
Video Competition Presentation: "Anatomy-Assisted Intercap Phaco with Small Incision Implantation of a Circular-Looped IOL"

1991
November

New Techniques in Phacoemulsification
Surgical Design, Inc.
Orlando, FL
Faculty
Clinical Presentations: "Frown Incision" and
"Anatomy-Assisted Intercapsular Phaco"

1991
December

New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA

Paper and Clinical Presentation: "Frown Incision Update"

Panelist: Techniques of Cataract Surgery

Editor: Video Program

- 1992
January
13th Annual Royal Hawaiian Eye Meeting
Maui, Hawaii
Paper and Clinical Presentation: "Frown Incision for Minimizing Induced Astigmatism after Phacoemulsification"
- 1992
January
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Cataract Wounds" and "Cataract Incisions"
- 1992
February
New Techniques in Phacoemulsification
Surgical Design, Inc.
Killington, VT
Faculty
Clinical Presentations: "Effect of Wound Construction on Induced Astigmatism" and "Anatomy-Assisted Intercapsular Phaco"
- 1992
March
Eighth Annual Island Ophthalmology Seminar
St. Thomas, U.S. Virgin Islands
Faculty
Clinical Presentations: "Anatomy-Assisted Intercapsular Phaco" and "The Mini Cobra Phaco Tip"
- 1992
March
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Mini Cobra Phaco Tip" and "Mechanisms of U/S Phaco Fragmentation"
- 1992
April
American Society of Cataract and Refractive Surgery
Annual Symposium
San Diego, CA
Faculty
Papers and Clinical Presentations: "The Mini Cobra Tip: Enhanced Efficiency and Safety for Phacoemulsification," and "Frown Incision Update with Two Year Follow-Up"
Film Festival Award, Special Educational Winner: "The Home Edited Ophthalmic Video: How To Get That Professional Look"
Film Festival Video Presentation: "The Mini Cobra Tip: Enhanced Efficiency and Safety for Phacoemulsification"
Panelist: Symposium session on Small Incision Cataract Surgery
- 1992
June
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH

Clinical Presentation: "Management of the Small Pupil during Intraocular Surgery"

1992
September

European Society of Cataract and Refractive Surgeons
Xth Congress
Paris, France

Faculty

Panelist and Co-Moderator: Symposium session on Cataract Surgery

Papers and Clinical Presentations: "The Highly Efficient Cobra Tip: Its Theory and Mechanisms of Ultrasonic Phacoemulsification," and "Use of the Highly Efficient Straight and Curved Cobra Phaco Tip"

Video Competition Presentations: "The Mini Cobra Tip: Enhanced Efficiency and Safety for Phacoemulsification," and "The Home Edited Ophthalmic Video: How To Get That Professional Look"

1992
October

Ocular Surgery News Symposium on Small Incision Surgery
New York, NY

Faculty

Papers and Clinical Presentations: "Self-Sealing Wound Construction," and "Induced Astigmatism: Effect of Wound Construction"

1992
November

Progressing with Phaco
Ioptex/Surgical Design, Inc.
Dallas, TX

Faculty

Clinical Presentations: "Self-Sealing Wound Construction" and "Induced Astigmatism: Effect of Wound Construction" and "The Mini Cobra Tip: Enhanced Efficiency and Safety for Phacoemulsification"

1992
November

American Academy of Ophthalmology
Annual Meeting
Dallas, TX

Faculty

Papers and Clinical Presentations: "Induced Astigmatism: Effect of Wound Construction"

Video Program Presentation: "The Mini Cobra Tip: Enhanced Efficiency and Safety for Phacoemulsification"

Phacoemulsification Skills Transfer Course: "Preventing Complications With Self-Sealing Wound Construction"

Technical Exhibit Presentation: "Induced Astigmatism: Effect of Wound Construction" at EyeSys exhibit

1992
December

New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA

Paper and Clinical Presentation: "Theory and Use of the Straight and Curved Cobra Phaco Tip"

1992
December
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Self-Sealing Wound Construction"

1993
February
Iwate Medical University
Morioka, Japan
Visiting Professor and Guest Surgeon
Live Surgery Demonstration: Cataract & IOL Surgery

1993
February
Appi Crystal Club International Cataract/IOL Symposium
Appi, Japan
Guest Faculty
Papers and Clinical Presentations: "Self-Sealing Wound Construction,"
and "Induced Astigmatism: Effect of Wound Construction"

1993
February
Sunshine City Video Symposium
Tokyo, Japan
Guest Faculty
Paper and Clinical Presentation: "Self-Sealing Wound Construction"

1993
February
Nara Medical University
Nara, Japan
Guest Lecturer
Papers and Clinical Presentations: "Self-Sealing Wound Construction,"
and "Induced Astigmatism: Effect of Wound Construction"

1993
March
Storz Small Incision Surgery Symposium
St. Louis, Missouri
Faculty
Clinical Presentations: "Wound Construction for Basic Phaco," and "Self-Sealing
Wound Construction," and "Nuclear Cracking: Sector Division"

1993
March
New England Ophthalmological Society
Interactive Video Symposium
Boston, MA
Co-Chairman and Moderator
Paper and Clinical Presentation: "Topographic Corneal Analysis of
Cataract Incisions: The True Picture"
Luncheon Seminar Presentation: "Video Production for the
Ophthalmologist"

1993
April
Ninth Annual Island Ophthalmology Seminar
Dorado, Puerto Rico
Moderator and Faculty
Clinical Presentations: "Topographic Corneal Analysis of Cataract
Incisions: The True Picture" and "High Efficiency Nucleofractis Using the
Curved Cobra Tip"

- 1993
April
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Topographic Corneal Analysis of Cataract Incisions"
- 1993
May
Small Incision Surgery Pre-ASCRS Symposium, Storz
Seattle, WA
Faculty
Clinical Presentations: "The Importance of the Internal Incision for Astigmatic Neutrality and Self Sealing," and "Advanced Phaco: Highlights of My Personal Approach," and "My Preferred IOL and How I Insert It," and "The Non-Astigmatogenic Closure: Non-Suturing Techniques"
- 1993
May
American Society of Cataract and Refractive Surgery
3rd International Congress on Cataract, IOL and Refractive Surgery
Seattle, WA
Faculty
Papers and Clinical Presentations: "Topographic Corneal Analysis of Self-Sealing Unsutured Frown Incisions," and "High Efficiency Nucleofractis Using the Curved Cobra Tip"
Refractive Cataract Surgery Course: "Astigmatic Effects of Cataract Incisions," and "High Efficiency Nucleofractis"
Film Festival Award, Winner Cataract/Implant: "Topographic Corneal Analysis of Cataract Incisions: The True Picture"
Director, Video Production for the Ophthalmologist Course, Parts I, and II: "The Home Edited Ophthalmic Video: How To Get That Professional Look," and "Setting Up a Home Based Desktop Video Editing System"
Transition to Phacoemulsification Wet Lab: Instructor
Panelist: Symposium session on Small Incision Cataract Wound Construction
Technical Exhibit Presentation: "Topographic Corneal Analysis of Cataract Incisions: The True Picture"
- 1993
May
Virginia Society of Ophthalmology
Annual Meeting,
Norfolk, VA
Guest Faculty
Papers and Clinical Presentations: "Self-Sealing Wound Construction," and "How To Set The Dials and New Technology," and "Effect of Wound Construction and Closure on Astigmatism," and "Future of Ophthalmic Surgery From My Perspective"
Panel Discussion: "Improving Your Phaco Technique and Management of Complications"
- 1993
July
Canadian Rockies Symposium of Cataract & Refractive Surgery
Banff, Alberta, Canada
Faculty

Papers and Clinical Presentations: "Topographic Corneal Analysis of Cataract Incisions," and "Preventing and Managing Complications with Self-Sealing Frown Incisions," and "Setting Up a Home Based Desktop Video Editing System"

1993
October

XXI Congresso Internazionale Sulla Chirurgia Della Cataratta
VIDEOCATARATTA 1993
Milan, Italy
Video Presentation: "Phacoemulsification Using the Singer Frown Incision and the Cobra Phaco Tip"

1993
November

American Academy of Ophthalmology
Annual Meeting
Chicago, IL
Faculty
Papers and Clinical Presentations: "Differences in Phaco Needles"
ASCRS co-sponsored course: "What am I Doing Differently This Year"
Advanced Phacoemulsification Skills Transfer Courses: Instructor, "Creation of a Self-Sealing Frown Incision"
Technical Exhibit Presentations: "Frown Incision and Internal Corneal Valve Construction" and "Topographic Corneal Analysis of Cataract Incisions: The True Picture".

1994
March

Lenox Hill Hospital
Current Concepts in Phacoemulsification
New York, NY
Guest Faculty
Papers and Clinical Presentations: "The Scleral Tunnel Incision: Minimizing Induced Astigmatism and Preventing Complications with Self-Sealing Incisions" and "Mechanisms of Ultrasonic Phacofragmentation, Differences in Phaco Needles, and How to Set the Dials."

1994
April

American Society of Cataract and Refractive Surgery
Annual Symposium
Boston, MA
Faculty
Best Paper of the Session Award: "Free Exchange of Medical and Surgical Knowledge"
Additional Papers and Clinical Presentations: "Phaco at 500" and "Advanced Frown Incision Theory, Methods, and Topographic Corneal Analysis"
Film Festival Award, In-House Productions: "Phaco at 500"
Director, Frown Incision Theory, Methods, and Results Course: "Advanced Frown Incision Theory, Methods, and Results"
Director, Video Production for the Ophthalmologist Course, Parts I, II, and III: "Video Basics" and "Setting Up a Home Based Desktop Video Editing System" and "In-House Ophthalmic Video: How To Get That Professional Look"
Panelist: Symposium session on Issues in Anterior Segment Surgery

1994
May
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Phaco at 500"

1994
June
The Chinese University of Hong Kong
Third Far East Cataract Surgery Symposium, Hong Kong
Guest Faculty
Papers and Clinical Presentations: "Induced Astigmatism, Effect of Wound Construction," and "Mechanisms of Ultrasonic Phacoemulsification and How to Set the Dials"
Instructor, Phacoemulsification Wet Lab

1994
June
Chinese University of Hong Kong
Prince of Wales Hospital, Hong Kong
Visiting Professor and Guest Surgeon
Live Surgery Demonstration: Cataract & IOL Surgery, telecast live to the Third Far East Cataract Surgery Symposium

1994
July
Canadian Rockies Symposium of Cataract & Refractive Surgery
Banff, Alberta, Canada
Faculty
Papers and Clinical Presentations: "The Advanced Frown Incision: Theory, Methods, and Topographic Corneal Analysis" and "Phaco at 500"

1994
October
American Academy of Ophthalmology
Annual Meeting
San Francisco, CA
Faculty
Video Program Presentation: "Phaco at 500"
Technical Exhibit Presentation: "3-D Video of Ultra-High Vacuum Phacoemulsification" at Zeiss exhibit

1994
November
Japanese Congress of Clinical Ophthalmology
Makuhari, Japan
Guest Faculty
Papers and Clinical Presentations: "Frown Incision Theory, Methods, and Topographic Corneal Analysis"
Luncheon Seminar Presentation: "Viscosurgery and Capsular Lenses"

1994
November
Hoken Eisei University, Fujitsu Health Center
Nagoya, Japan
Guest Lecturer
Papers and Clinical Presentations: "Frown Incision Theory, Methods, and Topographic Corneal Analysis"

1995
January
New England Eye Center, Tufts Univ. School of Medicine
Hawaii '95 Meeting
Big Island of Hawaii

Faculty

Papers and Clinical Presentations: "Phaco at 500" and "Management of Wound Construction Complications" and "Video Complication Presentation" and "Understanding Phaco"

Panelist: Symposium on Cataract Surgical Complications and Their Management

1995
February

Wills Eye Hospital Visiting Professor Lecture Series
Philadelphia, PA

Visiting Professor

Case Presentation: Challenging and Complicated Phaco/IOL Procedures

Papers and Clinical Presentations: "Differences in Phaco Needles" and "Ultra-high Vacuum Phaco"

Grand Rounds: Management of Complicated IOL Cases Presented by the Residents

1995
April

American Society of Cataract and Refractive Surgery
Annual Symposium
San Diego, CA

Faculty

Papers and Clinical Presentations: "Phaco Unplugged: A New Method for Epinucleus Removal"

Film Festival Award: "Phaco Unplugged: A New Method for Epinucleus Removal"

Resident's Phaco Skills Training Course: Faculty

Panelist: Symposium session on Intraocular Lenses and Current Issues in Phacoemulsification.

1995
May

Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH

Clinical Presentation: "Management of Challenging Cataract/IOL Procedures (video)" and "Phaco Unplugged: A New Method of Epinucleus Removal"

1995
July

Chinese Ophthalmological Society
Second International Ophthalmic Conference in China
Beijing, China

Co-Chairman and Invited Faculty, Cataract and Anterior Segment Surgery Section

Papers and Clinical Presentations: "Basic Mechanisms of Ultrasonic Phacofragmentation and Differences in Phaco Needles" and "Wound Construction in Phacosurgery" and "Corneal Topographic Analysis of Cataract Incisions."

1995
July

Chang Guang Memorial Hospital
Seminar on Phacoemulsification
Taipei, Taiwan

Clinical Presentations: "Wound Construction in Phacoemulsification" and "High Vacuum vs. Zero Vacuum Phacosurgery" and "Rheology of Viscoelastic Materials."

- 1995
July
National Taiwan University Hospital
Seminar on Phacoemulsification
Taipei, Taiwan
Clinical Presentations: "Basic Mechanisms of Ultrasonic Phacofragmentation and Differences in Phaco Needles" and "Management of Challenging Cataract/IOL Surgery."
- 1995
July
Veterans General Hospital
Seminar on Phacoemulsification
Taipei, Taiwan
Clinical Presentations: "High Vacuum vs. Zero Vacuum Phacosurgery" and "Rheology of Viscoelastic Materials."
- 1995
July
Korean Society of Cataract and Refractive Surgery
First International Meeting on Advanced Excimer Laser and Cataract Surgery
Seoul, South Korea
Co-Chairman and Invited Faculty, Cataract Section
Papers and Clinical Presentations: "High Vacuum vs. Zero Vacuum Phacosurgery" and "Rheology of Viscoelastic Materials."
Phaco Skills Transfer Wet Lab: "Basic Phaco Machine Settings."
- 1995
October
Videocataratta 1995 Symposium
Milan, Italy
Invited Video Presentations: "Phaco at 500," and "Phaco Unplugged: A New Method for Epinucleus Removal"
- 1995
October
American Academy of Ophthalmology
Annual Meeting
Atlanta, GA
Faculty
ASCRS co-sponsored course: "What am I Doing Differently This Year"
Video Program Presentation: "Phaco Unplugged: A Safe Method for Epinucleus Removal"
Technical Exhibit Presentation: "3-D Video of New Techniques of Phacoemulsification" at Zeiss exhibit
- 1995
December
New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA
Paper and Clinical Presentation: "Phaco Unplugged: A Safe Method for Epinucleus Removal"
- 1996
January
New England Eye Center, Tufts Univ. School of Medicine
Hawaii '96 Meeting
Maui, Hawaii
Faculty
Papers and Clinical Presentations: "Update on Ultra-High Vacuum Phaco" and "Phaco Unplugged: A Safe Method for Epinucleus Removal" and "Preventive

Phaco: Maneuvers to Prevent Complications” and “Advances in Phaco Techniques”

Panelist: Symposium on Cataract Surgical Complications and Their Management

1996
April

Brazilian Society of Cataract and Refractive Surgery
III International Congress
Belo Horizonte, Brazil

Guest Faculty

Papers and Clinical Presentations: "Topical Anesthesia for Cataract Surgery" and "Scleral Tunnel vs. Clear Corneal Cataract Incisions" and "Update on Phaco Unplugged" and "High Vacuum vs. Low Vacuum Phaco Surgery" and "Differences and Advancements in Phaco Needles"

Panelist: Symposium on Cataract Surgical Complications and Their Management

1996
June

American Society of Cataract and Refractive Surgery
Annual Symposium
Seattle, WA

Faculty

Papers and Clinical Presentations: "The Fine-Tuned Corneal Tunnel” and "Automated Phaco Unplugged" and "Free Exchange Prevails"

Film Festival Videotape: "The Fine-Tuned Corneal Tunnel or The Fine Points of Refined Corneal Incisions”

Residents' Phaco Skills Training Course: Faculty

Panelist: Symposium session on Incisional Refractive Keratotomy

New Developments in Clear Corneal Cataract Surgery Using Topical Anesthesia Course: "The Fine Points of Refined Corneal Incisions”

Current Phacoemulsification Techniques with Emphasis on How to Adjust

Machine Settings Course: "Basic Mechanisms of Ultrasonic Phacoemulsification" and "Update on Ultra-high Vacuum Phaco" and "Automated Free Flow Phaco Unplugged for Epinucleus Removal and Capsule Polishing"

Challenging Cases in Cataract Surgery: An International Video Symposium Course: Panelist

1996
July

Michigan Ophthalmological Society Meeting
Mackinac Island, MI

Guest Faculty

Clinical Presentations: "Corneal vs. Limbal vs. Scleral Cataract Incisions" and "High Vacuum vs. Low Vacuum Phaco Surgery" and "Free-flow Phaco Unplugged" and "Topical and Intraocular Anesthesia for Cataract Surgery"

1996
October

American Academy of Ophthalmology
Annual Meeting
Chicago, IL

Faculty

Paper: “Wound Closure”

ASCRS co-sponsored course: "What am I Doing Differently This Year"

Modern Implant Surgery course: "The Fine-Tuned Corneal Tunnel”

Moderator: Zeiss Video Theater session on Cataract Surgery

- 1997
January
Ophthalmology Grand Rounds
Dartmouth Hitchcock Medical Center
Lebanon, NH
Clinical Presentation: "Cataract/IOL Update: Clear Corneal Incisions, Phaco Crack, Topical & Intraocular Anesthesia"
- 1997
January
New England Eye Center, Tufts Univ. School of Medicine
Hawaii '97 Meeting
Maui, Hawaii
Faculty
Papers and Clinical Presentations: "Tri-Linear High Vacuum Phaco" and "Wound Construction in Modern Phacosurgery"
Panelist: Symposium on Cataract Surgical Complications and Their Management
- 1997
April
American Society of Cataract and Refractive Surgery
Annual Symposium
Boston, MA
Faculty
Papers and Clinical Presentations: "Tri-linear phaco-crack@500: ultimate phaco phluidics" and "The Incision Decision: a rational approach based on the zero normal stress principle." (*Best Paper Award*)
Film Festival Videotape: "The Incision Decision: a rational approach based on the zero normal stress principle."
Moderator: Symposium session on Phaco.
Residents' Phaco Skills Training Course: Faculty
Clear Corneal Phacosurgery Course: "The Incision Decision: a rational approach based on the zero normal stress principle."
Video Production Course: "In-house video production for the Ophthalmologist."
The Future of Diagnostics in Cataract and Refractive Surgery, Technomed: "Astigmatic Analysis"
Micro-incision Surgery Symposium, Staar Surgical: Panelist
Technical Exhibit Talks: "Technomed, Staar Surgical, and Surgical."
- 1997
May
University of Rochester
42nd Annual Rochester Ophthalmology Conference
Rochester, NY
Guest Faculty: "Wound Construction in Phacosurgery" and "AutoCrack Tri-linear Phaco."
- 1997
June
Japanese Society of Cataract and Refractive Surgery
Yokohama, Japan
Guest Faculty: "The Incision Decision: a rational approach based on the zero normal stress principle" and "AutoCrack Tri-linear Phaco".
- 1997
June
Fukasaku Eye Centre
Yokohama, Japan
Guest Faculty: "The Incision Decision: a rational approach based on the zero normal stress principle" and "AutoCrack Tri-linear Phaco".

- 1997
June
Iwate Medical University
Morioka, Japan
Visiting Professor and Guest Surgeon
Live Surgery Demonstration: Cataract & IOL Surgery
Clinical Presentation: “AutoCrack Tri-linear Phaco, Free-flow U/S Capsule Polishing, and Clear Corneal Refractive Cataract Surgery.”
- 1997
June
Korean Society of Cataract and Refractive Surgery
2nd International Meeting on Advanced Excimer Laser and Cataract Surgery
Seoul, South Korea
Invited Faculty, Cataract Section
Clinical Presentations: “The Incision Decision: a rational approach based on the zero normal stress principle” and “AutoCrack Tri-linear Phaco @ 500”.
- 1997
September
El-Maghraby Eye Hospital
Jeddah, Saudi Arabia
Visiting Professor
Clinical Presentations: “The Incision Decision” and “AutoCrack Tri-linear Phaco”.
Guest Surgeon: Clear Corneal Cataract Surgery Demonstration under Topical Anesthesia (10 cases).
- 1997
October
American Academy of Ophthalmology
Annual Meeting
San Francisco, CA
Honor Award
ASCRS co-sponsored course: "What am I Doing Differently This Year"
Video Program Presentation: “The Incision Decision: a rational approach based on the zero normal stress principle,”
Technical Exhibit Presentations: “Incision Decision & Plate Haptic Lens Insertion” at STAAR Surgical, and “Astigmatism Analysis using the C-SCAN” at TECHNOMED.
- 1997
December
Dartmouth-Hitchcock Medical Center
Lebanon, NH
Dept. of Surgery Grand Rounds
Presentation: “Free Exchange of Medical Knowledge vs. Medical Procedure Patents”
- 1998
January
New England Eye Center, Tufts Univ. School of Medicine
Hawaii ‘98 Meeting
Maui, Hawaii
Faculty
Papers and Clinical Presentations: “AutoCrack Phaco” and “The Incision Decision: Wound Construction Options in Cataract Surgery”
Panelist: Symposium on Cataract Surgical Complications and Their Management
- 1998
March
Oregon Academy of Ophthalmology
Post Graduate Convention
Guest Faculty

Papers and Clinical Presentations: “AutoCrack Phaco” and “Tri-linear Phaco” and “The Incision Decision” and “Challenging Phaco/IOL case workshop”

1998
April

American Society of Cataract and Refractive Surgery
Annual Symposium
San Diego, CA

Faculty

Papers and Clinical Presentations: “AutoCrack Phaco: The Lensquake” and “Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery” (*Best Paper Award*).

Film Festival: “AutoCrack Phaco: The Lensquake.”

Moderator: Symposium session on Phaco.

Residents' Phaco Skills Training Course: Faculty

Phaco Crack Course: “AutoCrack Phaco”

Suprahard Cataract Course: “AutoCrack Phaco”

Technomed Breakfast Meeting: “Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery”

AMO Array Launch meeting: “Patient Selection and Preventing Unwanted Visual Sensations” and Panel Discussion on Multifocal Lens Implantation.

Technical Exhibit Talks: “Astigmatism Analysis” at Technomed, and “Plate and 3-piece Silicone IOL insertion with capsule defects” at Staar Surgical.

1998
May

Brazilian Society of Cataract and Refractive Surgery
IV International Congress
Rio de Janeiro, Brazil

Guest Faculty

Papers and Clinical Presentations: “AutoCrack Phaco: The Lensquake” and “Tri-linear Phaco” and “The Incision Decision” and “Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery”

Film Festival: “AutoCrack Phaco: The Lensquake.” and “Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery”

Panelist: Symposium on Cataract Surgical Complications and Their Management

1998
May

Brasilia Medical Society, Brazil

Guest Faculty

Papers and Clinical Presentations: “AutoCrack Phaco: The Lensquake” and “Tri-linear Phaco” and “The Incision Decision” and “Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery”

1998
May

Eye Hospital of Brasilia, Brazil

Guest Surgeon

Live cataract surgery demonstration

Live phakic refractive lens surgery

Live excimer laser LASIK surgery

1998
May

11th Annual Meeting of German Ophthalmic Surgeons

Nurnberg, Germany

Guest Faculty and Surgeon

Papers and Clinical Presentations: “Different techniques of nucleus fragmentation-their advantages & disadvantages” and “Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery”
Live Surgery Demonstration: Cataract & IOL Surgery, telecast live to the 11th Annual Meeting of German Ophthalmic Surgeons.
Film Festival: “AutoCrack Phaco: The Lensquake” and "Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery” (*Film Festival Award*).
Roundtable Discussion: Cataract Surgery

1998
September

First International Course on Phakic Refractive Lenses
Bari, Italy
Course included: Lectures, Examination of short-term and long-term postop patients, wet lab, and live surgery demonstration.

1998
November

American Academy of Ophthalmology
Annual Meeting
New Orleans, LA
Faculty
ASCRS co-sponsored course: "What am I Doing Differently This Year"
Video Program Presentations: "AutoCrack Phaco: The Lensquake" and "Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery"
Technical Exhibit Presentation: "Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery," TECHNOMED.

1998
December

Vakif Gureba Foundation
Annual Meeting
Istanbul, Turkey
Guest Faculty and Surgeon
Papers and Clinical Presentations: "The Incision Decision" and "Nuclear Disassembly Techniques and Lensquake Phaco"
Live Surgery Demonstration: Cataract & IOL Surgery, telecast live to the Vakif Gureba Foundation Meeting.

1999
January

New England Eye Center, Tufts Univ. School of Medicine
Hawaii '99 Meeting
Big Island of Hawaii
Faculty
Hawaii '99 Phaco Sampler Video Presentation: "Get Smart: Hitting Your Refractive Target with Phaco/IOL Surgery"
Panelist: Symposium on Cataract Surgical Complications and Their Management

1999
April

American Society of Cataract and Refractive Surgery
Annual Symposium
Seattle, WA
Faculty
Papers and Clinical Presentations: “LensQuake Phaco: How to Make it Work.”
Film Festival: “Cortical Cleaving Hydrodissection: How to Make it Work.”
Moderator: Symposium session on Phaco.
Phaco Crack Course: “LensQuake Phaco”

Course on Astigmatism Correction with Clear Corneal Phaco Surgery: "LRI-C Procedure for Correcting Higher degrees of Astigmatism."

- 1999
June
Canadian Implant and Refractive Surgery Association
Annual Meeting
Montreal, Canada
Guest Faculty
Papers and Clinical Presentations: "LensQuake Phaco: Safe and Efficient Nuclear Disassembly" and "Cortical Cleaving Hydrodissection: How to Consistently Mobilize and Remove Cortex with the Phaco Tip."
- 1999
June
Brazilian Society of Cataract and Refractive Surgery
Mid-West International Symposium
Brasilia, Brazil
Guest Faculty and Surgeon
Papers and Clinical Presentations: "LensQuake Phaco: Safe and Efficient Nuclear Disassembly" and "Cortical Cleaving Hydrodissection: How to Consistently Mobilize and Remove Cortex with the Phaco Tip."
Live Surgery Demonstration: Cataract & IOL Surgery, telecast live to the BSCRS Mid-West International Symposium
Film Festival: "Cortical Cleaving Hydrodissection: How to make it work"
Panelist: Video Symposium on Cataract Surgical Complications and Their Management
Phaco Wet Lab Course: Faculty: "How to set the dials"
- 1999
June
Brasilia Medical Society, Brazil
Guest Faculty
Papers and Clinical Presentations: "Lensquake Phaco, Cortical Mobilization, and Capsule Polishing with the Ocusystem IieART."
- 1999
October
American Academy of Ophthalmology
Annual Meeting
Orlando, FL
Faculty
ASCRS co-sponsored course: "What am I Doing Differently This Year"
Video Program Presentation: "Cortical Cleaving Hydrodissection: How to Make it Work."
- 2000
February
Aichi Medical University
Nagoya, Japan
Paper and Clinical Presentations: "Strategies for Challenging Phaco and Management of Capsular and IOL Complications"
- 2000
February
Appi Crystal Club International Cataract/IOL Symposium
Appi, Japan
Guest Faculty

Papers and Clinical Presentations: "Strategies for Challenging Phaco and Management of Capsular and IOL Complications," and " An Unbiased Review of Refractive Phakic IOL's"

2000
February

Iwate Medical University
Morioka, Japan
Visiting Professor and Guest Surgeon
Live Surgery Demonstration: Challenging Cataract & IOL Surgery

2000
March

Kyoto Prefectural University
Kyoto, Japan
Paper and Clinical Presentations: "Strategies for Challenging Phaco and Management of Capsular and IOL Complications"

2000
April

Brazilian Society of Cataract and Refractive Surgery
VI International Congress
Rio de Janeiro, Brazil
Guest Faculty
Papers and Clinical Presentations: "Lensquake Phaco: safe & efficient nuclear disassembly" and "Lensquake Phaco: safe & efficient cracking for hard cataracts" and "Cortical cleaving hydrodissection" and "Management of high astigmatism with phaco"
Film Festival: "Cortical Cleaving Hydrodissection: How to Make it Work"

2000
May

American Society of Cataract and Refractive Surgery
Annual Symposium
Boston, MA
Film Festival Judge
Moderator: Symposium session on Phaco/IOL.
Papers and Clinical Presentations: "The hard-rock lensQuake curved Cobra phaco tip for rock-hard cataracts" and "Tri-linear phaco, dual/linear vacuum rise time, free/flow phaco unplugged, and other new technologies of the Surgical Design Advantage."
Phaco Crack Course: "LensQuake Phaco" and "Strategies for Challenging Phaco and Management of Capsular and IOL Complications"
Phaco Gymnastics Course: "LensQuake Phaco"
Symposium on Challenging cases: Presentation of case of late capsule block with liquefied after-cataract.
EyeWorld Roundtable Discussion: Phaco technology.

2000
December

New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA
Paper and Clinical Presentation: "LensQuake Phaco"

- 2001
April
American Society of Cataract and Refractive Surgery
Annual Symposium
San Diego, CA
Moderator: Symposium session on Phaco/IOL.
Papers and Clinical Presentations: “A 50 kHz Ultrasound Generator and Handpiece” and “Fluidics of the Surgical Design Ocusystem Advantage”
Film Festival Video: “Theory and use of a new 50 kHz ultrasound generator and handpiece for phaco surgery”
Phaco Crack Course: “LensQuake Tri-linear 50k Phaco”
Phaco Gymnastics Course: “LensQuake Tri-linear 50k Phaco”
Complication Management Course: “Management of capsule defects with use of plate haptic lenses”
- 2001
September
31st Brazilian Congress of Ophthalmology
São Paulo, Brazil
Papers and Clinical Presentations: “Management of capsule defects with use of Plate Haptic Lenses” and “Capsular Management in Phaco Surgery” and “The hard-rock lensquake curved cobra phaco tip for rock-hard cataracts” and “Advanced phacoemulsification with the Surgical Design Ocusystem Advantage”
Film Festival Video: “Theory and use of a new 50 kHz ultrasound generator and handpiece for phaco surgery”
- 2001
December
New England Ophthalmological Society
Annual Cataract Surgery Meeting
Boston, MA
Moderator: 1-hour luncheon seminar on “Soft shell technique and other ways to optimize viscoelastic use”
Moderator: 3-hour session on “Controversies in Cataract Surgery”
- 2002
February
Associação Paranaense de Oftalmologia
Curitiba, Brazil
Clinical Presentation: “LensQuake Trilinear Phaco using the Surgical Design Ocusystem Advantage” and “Astigmatism management using the Staar toric IOL”
- 2002
February/March
XXVII Simpósio Annual da Associação Paranaense de Oftalmologia
VI Simpósio Internacional de Atualização em Oftalmologia de Maringá
Maringá, Brazil
Papers and Clinical Presentations: “LensQuake Trilinear Phaco using the Surgical Design Ocusystem Advantage” and “Astigmatism management using the Staar toric IOL”
Live Surgery Demonstration: LensQuake Trilinear, and Astigmatism Correction with Intralimbal Corneal Relaxing Incisions, telecast live to the VI Simpósio Internacional de Atualização em Oftalmologia de Maringá.
- 2002
March
Hospital Pacini Oftalmologia
Brasília, Brazil
Clinical Presentation: “LensQuake Trilinear Phaco using the Surgical Design Ocusystem Advantage”

2002
March
Oftalmed
Brasilia, Brazil
Live Surgery Demonstration: LensQuake Trilinear Phaco with IOL

2002
March
Eye Institute, Setor Hospital Regional Norte
Brasilia, Brazil
Live Surgery Demonstration: LensQuake Trilinear Phaco with IOL

2002
June
American Society of Cataract and Refractive Surgery
Annual Symposium
Philadelphia, PA
Film Festival Judge
Moderator: Symposium session on Cataract Surgery Anesthesia.
Papers and Clinical Presentation: “Ultrasonic Free-flow Capsule Cleaning”
(*Best Paper of the Session Award*).
Phaco Course - Managing broken capsules and sinking lenses: “Preventing
Vitreous Prolapse and Retained Lens Material in the Presence of Capsule
Defects”
Staar Exhibit Presentations: “How to Get the Most out of the STAAR Toric IOL”
and “Correction of High Astigmatism by Combining Toric IOL with LRI”

2002
August
The Wharton School
University of Pennsylvania
Philadelphia, PA
Executive Management Program participant.
Presentation: “Optometrist Referrals: So What, Who Cares?”

2002
October
American Academy of Ophthalmology
Annual Meeting
Orlando, FL
Faculty
Advanced Phaco Techniques Course: “How to Prevent Vitreous Prolapse and
Retained Lens Material when faced with a Capsule &/or Zonule Rupture”

2003
September
University of Vermont
Burlington, VT
Grand Rounds Presentation: “Ultrasonic Free-flow Capsule Cleaning”

2004
March
Natal, Brazil
Papers and Clinical Presentations: “Correction of High Astigmatism using
Toric IOL combined with LRI” and “Crystalens Accommodative IOL”

2004
March
VIII Simpósio Internacional de Atualização em Oftalmologia de Maringá
Maringá, Brazil
Papers and Clinical Presentations: “Crystalens Accommodative IOL” and
“Management of Lens Capsule Defects during Phaco Surgery”

2004
April

American Society of Cataract and Refractive Surgery
Annual Symposium
San Diego, CA
Phacoemulsification in Mature and Hypermature Cataracts Course: “Hard-Rock Lensquake Phaco”
Worst Case Scenarios Course: “Management of challenging phaco/IOL cases”
Symposium participant: “An Evolution in Vision: The first FDA-approved accommodative IOL”
Eyeonics Exhibit Presentation: “Ultrasonic capsule polishing with implantation of the crystalens”
Electronic Medical Record Panel: Demonstration of Management Plus EMR

2005
April

American Society of Cataract and Refractive Surgery
Annual Symposium
Washington, DC
Papers and Clinical Presentation: “Capsule Contraction Syndrome following refractive lensectomy with crystalens: diagnosis, management and prevention”
Verisyse Phakic IOL Wet Lab: Instructor
Panelist: Symposium on multifocal and accommodative IOLs
Crystalens Users Group Meeting: “Capsule Contraction Syndrome following refractive lensectomy with crystalens: diagnosis, management and prevention”
Verisyse Users Group Meeting: “Sutureless frown incision for Verisyse IOL”
Electronic Medical Record Panel: Demonstration of Management Plus EMR

2005
September

33rd Brazilian Congress of Ophthalmology
Fortaleza, Brazil
Papers and Clinical Presentations: “Implantation Of The Verisyse Phakic Refractive Lens Using The Frown Incision To Minimize Induced Astigmatism” and “Capsule Contraction Syndrome following refractive lensectomy with crystalens: diagnosis, management and prevention”

2006
February

World Ophthalmology Congress
São Paulo, Brazil
Papers and Clinical Presentations: “Electronic Medical Record use in Ophthalmology” and “Implantation of the Accommodating Crystalens with Free-Flow Ultrasonic Capsule Cleaning” and “Capsule Contraction Syndrome following refractive lensectomy with crystalens: diagnosis, management and prevention” and “Accommodative vs Multiple Image Iols”

- 2006
April
American Society of Cataract and Refractive Surgery
Annual Symposium
San Francisco, CA
Papers and Clinical Presentation: “Implantation of the Accommodating Crystalens with Free-Flow Ultrasonic Capsule Cleaning: 1-Year Outcomes Analysis”
Cataract Clinical Committee Challenging Cases in Cataract Surgery Symposium Presentation: “Open Posterior Capsule – Can We Proceed with Crystalens?”
Phaco Course – Successfully Phaco’ing the Hardest Cataract: “Hard-Rock LensQuake Phaco for Dense Cataracts”
Panelist: Two symposia on multifocal and accommodative IOLs
Electronic Medical Record Panel: Demonstration of Management Plus EMR
- 2006
May
New England Ophthalmological Society
Boston, MA
Papers and Clinical Presentation: “The Dense Cataract” and “Presbyopia-Correcting IOLs and their Incorporation into your Practice”
- 2006
October
New Hampshire Optometric Association
Annual Meeting
Bartlett, NH
2 hour Clinical Presentation: “The crystalens accommodating IOL”
- 2007
February
University of Toronto
The Toronto Cataract Course: Rise of the Machines
Toronto, Ontario, Canada
Moderator: Session on “Fluidics/Settings: Followability, Holdability, and Surge/Chamber Stability Problems”
Moderator: Session on “Power Modulations/Settings: Dense/Black Cataracts, Soft Cataracts, Wound Burns”
Papers and Clinical Presentations: “The Insides of a Phaco Machine: From tip to Tubing to Cassette to Pump to Computer and Back” and “Posterior Capsule Plaque Management”
- 2007
March
X Simpósio Internacional de Atualização em Oftalmologia de Maringá
Maringá, Brazil
Papers and Clinical Presentations: “Strategies for successful use of the accommodative Crystalens” and “Crystalens vs Multifocal IOLs”
Live Surgery Demonstration: Phacoemulsification with implantation of the accommodative AT50SE Crystalens, telecast live to the X Simpósio Internacional de Atualização em Oftalmologia de Maringá
- 2007
November
American Academy of Ophthalmology
Annual Meeting
New Orleans, LA
Zeiss Exhibit Presentation: “IOLMaster & Premium IOL Surgery”

2008
April

American Society of Cataract and Refractive Surgery
Annual Symposium
Chicago, IL
Film Festival Judge
Clinical Carryout Session Panelist
Cataract Clinical Committee Challenging Cases in Cataract Surgery Symposium
Presentation: “Asymmetric Vaulting of Crystalens AT50SE Following Phaco of Traumatic Cataract and Secondary CTR Implantation in a 32-Year Old”
Papers and Clinical Presentation: “Stability of Capsulorhexis Size and Refraction After Crystalens Five-O Implantation with Anterior Capsule Lens Epithelial Cell Removal”
Eyeonics Exhibit Presentation: “Tips for Successful Implantation of the Accommodating Crystalens”

2008
May

Live Surgery Course with Discussion
(Curso Prático: Cirurgias ao Vivo e Discussão)
Hospital de Olhos de Maringá
Maringá – Paraná, Brazil
Live Surgery Demonstration: Phacoemulsification with implantation of the accommodative AT50SE Crystalens, telecast live to the Curso Prático: Cirurgias ao Vivo e Discussão

2008
May

X International Congress of Cataract and Refractive Surgery
Goiânia – Goiás, Brazil
Papers and Clinical Presentations: “Accommodating Crystalens five-0: tips for successful implantation” and “Stability of capsulorhexis size and refraction following crystalens five-0 implantation with anterior lens epithelial cell removal” and “IOL Master Version 5 and Premium IOL Surgery”
Wet Lab Clinical Presentations: “Crystalens Tips” and “IOL Master in cataract”

(Printed on June 8, 2008)

RESEARCH AND DEVELOPMENT

1989
December Core Clinical FDA Investigations:
PMMA Circular-Looped Intraocular Lens Implants
Models Chip 2 and Chip 55
Les Laboratories Domilens, Inc.

1990
January Core Clinical FDA Investigation:
PMMA Compressible Disc Intraocular Lens Implant
Model CD 92
Kabi Pharmacia, Inc.

1990
March Development of the "Frown Incision" for
Small Incision Cataract Surgery

1990
March Prospective Clinical Study of Induced Astigmatism
after Small Incision Cataract Surgery
Using the Frown Incision Versus
Standard Scleral Pocket Incision

1990
April Development of the "Frown Incision Markers"
Storz Instrument Co., Moria Instrument Co., and ASICO.

1991
April Development of a Mini Ultrasonic Irrigation/
Aspiration Tip for Lens Capsule Epithelial
Cell Removal during Cataract Surgery
Surgical Design, Inc.

1991
August Development of the straight and curved Cobra
Tip for phacoemulsification
Surgical Design, Inc.

1991
October Development of Lens Insertion Forceps,
Iris Forceps for self-sealing Frown Incisions, and
Safety Net to prevent retained lens material
Moria Instrument Co.

1992
November Core Clinical FDA Investigation:
PMMA Capsular Intraocular Lens Implant
Model 809A
Kabi Pharmacia, Inc.

1991
May Development of the "Universal Advanced Frown
Incision Marker," Moria Instrument Co.,
Storz Instrument Co., and ASICO.

1994
March Clinical evaluation of ultra-high vacuum phaco
Surgical Design, Inc.

RESEARCH AND DEVELOPMENT (cont'd)

1995 January	Developed "Phaco Unplugged", a new method for safe removal of epinucleus during phaco surgery.
1995 June	Development of Diamond Knife for clear corneal tunnel phaco incisions, Mastel Precision Surgical Instruments.
1996 October	Development of "Tri-linear Phaco" method, Surgical Design, Inc.
1996 March	Development of Diamond and Hexagon Curved Cobra phaco tip, Surgical Design, Inc.
1997 April	Development of "AutoCrack Phaco" method. Development of "Lensquake Phaco" method.
1998 April	Co-developed the "Functional Optical Zone" concept for determining the limits of corneal refractive correction.
1999 January	Developed LRI-C Procedure for correcting high astigmatism.
1999 June	Developed "Hard-Rock" LensQuake Phaco Tip for cracking suprahard cataracts, Surgical Design, Inc.
1999-2005	Development of the Ocusystem Advantage Phaco machine, Surgical Design, Inc.

BIBLIOGRAPHY

Video Productions:

- 1990
March "Intercapsular Phacoemulsification with Two-Stage Capsulorhexis, Implantation of Disc-Shaped IOL's, and Horizontal Running Wound Closure," presented at American Society of Cataract and Refractive Surgery Annual Symposium, Los Angeles, CA. Film Festival Award.
- 1990
September "The Frown Incision", Audiovisual Journal of Cataract and Implant Surgery, Vol 6, Issue 3, 1990.
- 1990
October "Anatomy-Assisted Intercapsular Phaco with Implantation of Disc-Shaped IOL's and The Frown Incision," presented at American Academy of Ophthalmology Annual Meeting, Atlanta, GA.
- 1991
February "Intercapsular Phaco", MVP Video Journal of Ophthalmology, Vol VII, No. 1, 1991.
- 1991
April "Anatomy-Assisted Intercapsular Phacoemulsification: Added Protection and Control," presented at American Society of Cataract and Refractive Surgery Annual Symposium, Boston, MA.
- 1991
April Frown Incision: The Key to Preventing Induced Astigmatism," presented at American Society of Cataract and Refractive Surgery Annual Symposium, Boston, MA.
- 1991
June "Anatomy-Assisted Intercap Phaco with Small Incision Implantation of a Circular-Looped IOL," Presented at IX European Intraocular Implantlens Congress, Valencia, Spain; published in Video Textbook of Microsurgery, Vol 1, Kershner RM (ed), 1991.
- 1992
March "The Mini Cobra Tip: Enhanced Efficiency and Safety for Phacoemulsification," Presented at Eighth Annual Island Ophthalmology Seminar, St. Thomas; American Society of Cataract and Refractive Surgery Annual Symposium, San Diego, CA; Xth Congress of the European Society of Cataract and Refractive Surgeons, Paris, France; and American Academy of Ophthalmology Annual Meeting, Dallas, TX.

BIBLIOGRAPHY, Video Productions (cont'd.)

- 1992
April "The Home Edited Ophthalmic Video: How To Get That Professional Look," Presented at American Society of Cataract and Refractive Surgery Annual Symposium, San Diego, CA: *Film Festival Award*; and Xth Congress of the European Society of Cataract and Refractive Surgeons, Paris, France.
- 1992
November "Topographic Corneal Analysis of Self-Sealing Frown Incisions," Presented at American Academy of Ophthalmology Annual Meeting, Dallas, TX.
- 1993
March "Topographic Corneal Analysis of Cataract Incisions: The True Picture," Presented at New England Ophthalmological Society Video Symposium, Boston, MA; and American Society of Cataract and Refractive Surgery Annual Symposium, Seattle, WA: *Film Festival Award*; and published in MVP Video Journal of Ophthalmology, Vol IX, No. 6, 1993.
- 1993
October "Phacoemulsification Using the Singer Frown Incision and the Cobra Phaco Tip," Presented at XXI Congresso Internazionale, Sulla Chirurgia Della Cataratta, VIDEOCATARATTA 1993, Milan, Italy
- 1994
March "Phaco at 500," presented at American Society of Cataract and Refractive Surgery Annual Film Festival, Boston, MA: *Film Festival Award*; and at the American Academy of Ophthalmology 1994 Annual Meeting, San Francisco, CA; and at Videocataratta 1995 Symposium, Milan, Italy; Published by the American Academy of Ophthalmology Continuing Ophthalmic Video Education and MVP Video Journal of Ophthalmology Vol XI, No. 2, 1995.
- 1995
March "Phaco Unplugged: A New Method for Epinucleus Removal," presented at American Society of Cataract and Refractive Surgery Annual Film Festival, San Diego, CA: *Film Festival Award*; and at Videocataratta 1995 Symposium, Milan, Italy; Published by MVP Video Journal of Ophthalmology, Vol. XI, No. 3, 1995.
- 1995
October "Phaco Unplugged: A Safe Method for Epinucleus Removal," presented at the American Academy of Ophthalmology 1995 Annual Meeting, Atlanta, GA.

BIBLIOGRAPHY, Video Productions (cont'd.)

- 1996
March "Micro Incision Cataract Surgery With Injectable Lens Implant & Topical Anesthesia: 1) An explanation for patients 2) Detailed version" March, 1996, Randolph, VT
- 1996
June "The Fine-Tuned Corneal Tunnel (or The Fine Points of Refined Corneal Incisions)" presented at American Society of Cataract and Refractive Surgery Annual Film Festival, Seattle, WA; Published by MVP Video Journal of Ophthalmology
- 1997
April "The Incision Decision: A Rational Approach Based on the Zero Normal Stress Principle" presented at American Society of Cataract and Refractive Surgery Annual Film Festival, Boston, MA
- 1997
April "Astigmatism Analysis using the Technomed C-SCAN" presented at American Society of Cataract and Refractive Surgery Annual Meeting, Boston, MA
- 1997
April "AutoCrack Tri-Linear Phaco" presented at American Society of Cataract and Refractive Surgery Annual Meeting, Boston, MA
- 1997
September
October "AutoCrack Phaco" presented at El-Maghraby Eye Hospital, Saudi Arabia, and at the American Academy of Ophthalmology Annual Meeting, October 1997, San Francisco, CA.
- 1998
April "AutoCrack Phaco: The Lensquake" presented at American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, and IV International Congress on Cataract and Refractive Surgery, Rio de Janeiro, Brazil, and 11th Annual Meeting of German Ophthalmic Surgeons, Nurnberg, Germany. Published by MVP Video Journal of Ophthalmology
- 1998
April "Functional Optical Zone: Tracing the Limits of Corneal Refractive Surgery" presented at American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, and IV International Congress on Cataract and Refractive Surgery, Rio de Janeiro, Brazil, and 11th Annual Meeting of German Ophthalmic Surgeons, Nurnberg, Germany Film Festival Award

BIBLIOGRAPHY, Video Productions (cont'd.)

- 1999
January "Get Smart: Hitting Your Refractive Target with Phaco/IOL Surgery" presented at Hawaii '99 Meeting, Maui, Hawaii.
- 1999
April "Cortical Cleaving Hydrodissection: How to Make it Work" presented at American Society of Cataract and Refractive Surgery Annual Symposium, Seattle, WA, and at the Canadian Implant and Refractive Surgery Association Annual Meeting, Montreal, Canada, and at the Brazilian Society of Cataract and Refractive Surgery Mid-West International Symposium, Brasilia, Brazil, and at the American Academy of Ophthalmology Annual Meeting Orlando, FL.
- 2000
May & September "Theory and use of a new 50 kHz ultrasound generator and handpiece for phaco surgery" presented at American Society of Cataract and Refractive Surgery Annual Symposium, San Diego, CA, and at the 31st Brazillian Congress of Ophthalmology, São Paulo, Brazil.

Journal and Textbook Publications:

- "Frown Incision Derives Strength From Suspension Bridge Theorem" published in Ocular Surgery News August 1990.
- "The Frown Incision" published in Audiovisual Journal of Cataract and Implant Surgery, Vol. 6, Issue 3, 1990.
- "Technique for Intercapsular Phacoemulsification with Two-Stage Capsulorhexis" published in Textbook of Advanced Phacoemulsification Techniques, Koch PS, Davison JA (eds). Thorofare, NJ, Slack, 1991.
- "Intercapsular Phaco" published in MVP Video Journal of Ophthalmology, Vol. VII, No. 1, 1991.
- "Cantilever-Style IOL: Alternative to Closed-Loop Compressible Disk Lens" published in Ocular Surgery News May 1991.
- "Anatomy-Assisted Intercap Phaco with Small Incision Implantation of a Circular-Looped IOL" published in Video Textbook of Microsurgery, Vol 1, Kershner RM (ed), 1991.
- "Frown Incision For Minimizing Induced Astigmatism After Small Incision Cataract Surgery With Rigid Optic Intraocular Lens Implantation" published in the Journal of Cataract and Refractive Surgery, special issue on incision and closure techniques, Vol. 17, Supplement, 1991.

BIBLIOGRAPHY, Journal and Textbook Publications (cont'd.)

"Review of Incision and Closure Techniques for Cataract Surgery"
published in Ophthalmic Practice, Vol. 10, No. 4, 1992.

Consultation Section Response, Journal of Cataract and Refractive Surgery,
Vol. 19, No. 3, 1993.

"A Simple Portable Ocular Light Device for Phototherapy of Seasonal
Affective Disorder," Ravaris CL, Rose R, Elliott B, Hegel M, Singer J,
Schiffman, J. Biomedical Instrumentation and Technology, Nov/Dec
1994.

"Intercapsular Phacoemulsification with Two-Stage Capsulorhexis"
published in Refractive Surgery, Bores L, (ed). Montvale, NJ,
Medical Economics Books, 1993.

"Topographic Corneal Analysis of Cataract Incisions: The True Picture,"
published in MVP Video Journal of Ophthalmology, Vol. IX, No. 6,
1993.

Clinical Consultation Section Response, Ophthalmic Practice, Vol. 12, No.1 ,
1994.

"Free Exchange of Medical and Surgical Knowledge," in press, Journal of
Cataract and Refractive Surgery, special issue for Best Paper of the
Session award winners, 1994.

"Phaco at 500," published by the American Academy of Ophthalmology
Continuing Ophthalmic Video Education, and MVP Video Journal of
Ophthalmology, Vol. XI, No. 2, 1995.

Consultant for Focal Points Clinical Modules for Ophthalmologists
American Academy of Ophthalmology publication on "Cataract
Incision and Closure," Vol XIII No 3, March 1995.

"The Scleral Approach to Cataract Incisions" published in Ophthalmology Clinics
of North America, Cataract Surgery Update: Phacoemulsification, Dillman
DM, Maloney WF (eds), Philadelphia, PA, WB Saunders Company, Vol 8,
September 1995.

"Phaco Unplugged: A New Method for Epinucleus Removal," published in Ocular
Surgery News and MVP Video Journal of Ophthalmology Vol. XI, No. 3,
1995.

"The Fine-Tuned Corneal Tunnel" published by MVP Video Journal of
Ophthalmology Vol. XIII, No. 1, 1997.

BIBLIOGRAPHY, Journal and Textbook Publications (cont'd.)

Consultation Section Response, Journal of Cataract and Refractive Surgery, Vol. 23, No. 6, 1997.

“AutoCrack Phaco using the Diamond-Shaped Curved Cobra Tip,” EyeWorld, August 1997; Ophthalmology Times and Ocular Surgery News September 1997.

“Singer AutoCrack Phaco Using the Curved Diamond Cobra Tip,” Cataract Surgery: the State of the Art, Gills JP, Fenzl RF (eds), Thorofare, NJ, Slack, 1998.

“Singer Tri-linear Phaco,” published in Cataract Surgery: the State of the Art, Gills JP, Fenzl RF (eds), Thorofare, NJ, Slack, 1998.

Consultation Section Response, Journal of Cataract and Refractive Surgery, December, 1997.

“Wound Construction and Phaco Technique,” published in Multimedia Oculosurgical Module: Phacoemulsification Cataract Surgery, Schertzer RM, Pang DX, Bartholomew LR (eds), St. Louis, MO, Mosby, and The University of Michigan, 1998.

"LensQuake Phaco," published in Oftalmologia Em Foco, No. 62, July/August 1999.

Consultation Section Response, Journal of Cataract and Refractive Surgery, June, 2000.

Consultant for Focal Points Clinical Modules for Ophthalmologists. American Academy of Ophthalmology publication on “Advances in Small Incision Cataract Surgery,” Vol XVIII No 9, September 2000.

Consultation Section Response, Journal of Cataract and Refractive Surgery, August, 2001.

A Relentless Peripheral Corneal Ulcer, Hong Kong Journal of Ophthalmology, October, 2001.

"LensQuake Phaco," published in Phacoemulsification, Laser Cataract Surgery and Foldable IOL's, Agarwal, Sachdev, Mehta, Fine (eds), Jaypee, January 2002.

"LensQuake Phaco," published in Phako, Phakonit, Laser Phako: A Quest for the Best, Boyd, Agarwal (eds), Highlights Of Ophthalmology, April 2002.

"LensQuake Phaco," published in Textbook of Ophthalmology, Volume 3, Agarwal, Apple, Buratto, et al (eds), Jaypee, May 2002.

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