

**ISRS/AAO 2005: Emerging Trends in Refractive and Cataract Surgery
In conjunction with the Chinese University of Hong Kong**

Saturday, May 14, 2005

3:00 PM Welcome and Opening Remarks

Dennis S C Lam MD
Marguerite B McDonald MD FACS

Section I: The Cutting Edge in Refractive and Cataract Surgery (Part I)

Moderators: Alaa El-Danasoury MD and Eung Kweon Kim MD PhD

3:05 PM Opening Keynote: How Will Wavefront-Driven LASIK and Phakic IOLs Fit into the Refractive Surgeon's Armamentarium?

John A Vukich MD
Hiroko Bissen-Miyajima MD
John So-Min Chang Jr MD
Camille J R Budo MD
Y Ralph Chu MD

3:15 PM Opening Keynote: Bimanual Phacoemulsification: Steps to Acquire Its Technique

3:25 PM Two Years Asian Experience With the Implantable Contact Lens

3:31 PM Artiflex Lens: Multicenter Study: Six- to Twelve-Month Follow-Up

3:37 PM New Microkeratome Technologies

3:43 PM Posterior Chamber Phakic Refractive Lens: Ten Years' Experience, Results, Complications, and Surgical Evolution

Dimitrii D Dementiev MD

3:49 PM Iris-Fixated Artisan Lens for the Correction of Compound Myopic Astigmatism in Eyes With Early and Moderate Keratoconus: One-Year Results

Alaa M El-Danasoury MD

3:55 PM Wavefront-Guided Treatments With the WaveLight Allegretto Wave Excimer Laser System: Results for the U.S. FDA Trial

Guy M Kezirian MD

4:01 PM Discussion

David D Dulaney MD
Alaa M El-Danasoury MD
Choun-ki Joo MD PhD
Michael A Lawless MD
Naoyuki Maeda MD
James J Salz MD

4:13 PM AFTERNOON BREAK and EXHIBITS

Section I: The Cutting Edge in Refractive and Cataract Surgery (Part II)

Moderator: John So-Min Chang Jr MD and John A Vukich MD

4:45 PM Keynote: LASEK, PRK, and Epi-LASIK: Better Than LASIK?

4:55 PM Toric ICL

5:01 PM Laser-Assisted Deep Lamellar Keratoplasty

5:07 PM Current Results of Hyperopia: Presbyopia Excimer Laser Treatment With the Visx S4 Using Iris Registration

Richard W Yee MD
Carlos M Moedas MD
Naoyuki Maeda MD
Keith Williams MD FRCS FRC FRC
Ophth

5:13 PM Options for the Treatment of Presbyopia

Marguerite B McDonald MD FACS

5:19 PM Clinical Experience Report of Improving Visual Acuity With Wavefront-Guided Re-treatment

David Chao-Kai Chang MD MPH

5:25 PM Corneal Surgery Using the Intralase Femtosecond Laser
5:31 PM Laser Assisted Sub-Epithelial Keratectomy (LASEK) in Children
5:37 PM Photorefractive Keratectomy With Amniotic Membrane Graft
5:43 PM Seven to Fifteen Years Follow-Up With the Artisan Lens
5:49 PM Preliminary Results and Visual Quality With Wavefront-Guided Treatments Using the Nidek
OPD-CAT Ablation
5:55 PM High-Frequency Component of Accommodation Measured With an Autorefractometer
6:01 PM Discussion

Sonia H Yoo MD
William F Astle MD FRCSC
Aashish K Bansal MBBS MS
Camille J R Budo MD

Arturo S Chayet MD
Hiroya Goto MD
John So-Min Chang Jr MD
Deepak Kumar Chitkara MD
James J Salz MD
Yan Wang MD
Sonia H Yoo MD

6:15 PM WELCOME RECEPTION and EXHIBITS

Sunday, May 15, 2005

8:00 AM Breakfast and AMO Symposium
9:00 AM Opening Remarks

Dennis S C Lam MD
Marguerite B McDonald MD FACS

Section II: IOLs for the Next Decade: Accommodating, Blue Blocker, Phakic, Small Incision, Wavefront Modulated
Moderators: Jack Arroyo MD and Hideharu Fukasaku MD

9:05 AM Keynote: Why Do Specialized IOLs Sometimes Fail?
9:20 AM Scotopic Vision and the Blue Light Hazard
9:27 AM Neutralizing Corneal Spherical Aberration With Modified Prolate IOL
9:34 AM Phaco-Ersatz: Injectable Accommodating IOL for Presbyopia
9:41 AM Misconceptions Regarding Hydrophilic Acrylic IOLs
9:48 AM Bimanual Irrigation and Aspiration With No Instrument Exchange
9:55 AM Tecnis Multifocal IOL Improves Functional Vision
10:02 AM Discussion

David J Apple MD
John Marshall PhD
Robert M Kershner MD FACS
Yunhee Lee MD MPH
David J Apple MD
Mun W Lee MBChB
Robert M Kershner MD FACS
David J Apple MD
Samar Basak MBBS MD DNB
Adrian Glasser PhD
Dieter W Klaas MD
Mun W Lee MBChB
Yunhee Lee MD MPH

10:15 AM REFRESHMENT BREAK *Sponsored by Alcon*

Section III: Snatching Victory from the Jaws of Defeat: Preventing and Managing Phaco Complications

Moderators: David J Apple MD and Antti Vannas MD

- 10:45 AM Keynote: How to Manage Complications and Difficult Cases in Cataract Surgery
11:00 AM The Hydro-Chop Technique for Microincision Cataract Surgery
11:07 AM Clinical Outcomes With Over 300 Kellan Accommodating IOLs
11:14 AM Histopathological Diagnoses and Misdiagnoses of IOL Opacification/Calcification: A New Classification
11:21 AM Report From the Eyeonics/Crystelens IOL Registry
11:28 AM Results 2–3 Years After Bimanual Phacoemulsification With AcriSmart and ThinOptX IOL Implantation Through Incisions Between 1.7 and 2.0 mm
11:35 AM Comparison of Contrast Sensitivity and Patient Satisfaction With SofPort AO Aberration-Free IOL vs. the Alcon SA60 IOL
11:42 AM Discussion

Tetsuro Oshika MD
Hideharu Fukasaku MD
Deepak Kumar Chitkara MD
David J Apple MD
Guy M Kezirian MD

Roland Koch MD

Michael J Endl MD
David J Apple MD
Hiroko Bissen-Miyajima MD
Jimmy Dinglasan MD
Roland Koch MD
Mun W Lee MBChB
Karl G Stonecipher MD

12:00 PM LUNCH and EXHIBITS

Section IV: To Flap or Not to Flap: LASIK, PRK, Solid State LASIK, Epi-LASIK, LASEK

Moderators: Choun-ki Joo MD PhD and Chris Lohmann MD

- 1:15 PM Keynote: Stabilizing Refractive Outcome and Understanding Biomechanics
1:30 PM Intralase: Can It Make LASIK Better?
1:37 PM Six-Month Results of Wavefront-Guided LASIK Using the Visx Wavescan System for Correction of High Myopia
1:44 PM Enhancement of Visual Acuity and Contrast Sensitivity in Low Myopes and Post-LASIK Patients Through the Use of Neural Vision Correction Technology
1:51 PM Re-treatment of Highly Aberrated Eyes Using the VISX S4 CustomVue Wavefront Guided
1:58 PM Surface Ablation 2005
2:05 PM Nomogram Adjustment of Wavefront-Guided LASIK With VISX Wavescan and S4 System
2:17 PM Discussion

John Marshall PhD
Michael A Lawless MD

Nada S Jabbur MD

Donald Tan FRCS
Edward E Manche MD
Chris Lohmann MD
Choun-ki Joo MD PhD
David Chao-Kai Chang MD MPH
Yoshihiko Iida MD
Nada S Jabbur MD
Edward E Manche MD
Ramon Naranjo-Tackman MD
Donald Tan FRCS

2:30 PM REFRESHMENT BREAK and EXHIBITS

Section V: What Do I Do Now? Managing Refractive Complications
Moderators: Deepak Kumar Chitkara MD and Helen K Wu MD

3:00 PM Keynote: Wavefront-Driven Excimer Laser Surgery With Fourier Transforms: A New Paradigm
 3:15 PM Wavefront Analysis of Keratectasia Following LASIK With the Tracey iTRACE Aberrometer
 3:22 PM Topography-Guided LASIK for Treatment of Irregular Cornea
 3:29 PM Preoperative Refractive Surgery Screening for Keratoconus
 3:36 PM Systemic Diseases of Importance to the Keratorefractive Surgeon
 3:43 PM Diagnosis and Management of Microbial Keratitis After LASIK
 3:50 PM Avellino Corneal Dystrophy Is the Contraindication of LASIK
 3:57 PM Photorefractive Keratectomy With Mitomycin C: Review of Literature and Our Experience
 4:04 PM Intralase vs. Mechanical Keratomes: A Look at the Results With Respect to Preoperative Corneal Thickness
 4:11 PM Case Series: Post-LASIK Keratectasia
 4:18 PM Clinical Management of Corneal Ectasia: Intacs or Not?
 4:25 PM Comparison of Aberrometry Assessment With Ray Tracing and Hartmann-Shack Devices
 4:32 PM Comparison of Ultrasound and Orbscan Pachymetry in Eyes Undergoing LASIK
 4:39 PM Conductive Keratoplasty to Improve Near Vision Following Previous LASIK Surgery
 4:46 PM Intraoperative Mitomycin-C to Prevent Corneal Haze after Lasek Correction for High Myopia
 4:53 PM Discussion

Marguerite B McDonald MD FACS
 Richard E Braunstein MD
 Yue-guo Chen MD
 Michael W Belin MD
 George J Florakis MD
 Prashant Garg MD
 Eung Kweon Kim MD PhD
 Mittanamalli S Sridhar MD
 Karl G Stonecipher MD
 Alnette L Tan MD
 Mitchell A Jackson MD
 Richard E Braunstein MD
 Arthur Cheng MD
 Y Ralph Chu MD
 Dennis S C Lam MD
 Michael W Belin MD
 Klaus N Ditzen MD
 George J Florakis MD
 Mittanamalli S Sridhar MD
 Karl G Stonecipher MD
 Donald Tan FRCS

5:05 PM CLOSING REMARKS

Dennis S C Lam MD
 Marguerite B McDonald MD FACS

7:00 PM GALA DINNER *Sponsored by AMO*

Monday, May 16, 2005

8:00 AM Breakfast
 9:00 AM Opening Remarks

Dennis S C Lam MD
 Marguerite B McDonald MD FACS

Section VI: Back to the Future: Bimanual Phaco and Manual Sutureless Extra Cap
Moderators: David J Apple MD and Srinivas K Rao DO DNB FRCSEd

9:05 AM Keynote: Sutureless Large Incision Manual Cataract Extraction: The Way Ahead for Safe, Cheap, and Fast ECCE
 9:20 AM Bimanual Microincisional Phacoemulsification Using the Millennium Microsurgical System

Dennis S C Lam MD
 Lulu L Cheng MD

9:27 AM	Temporal Nonphaco Sutureless ECCE PCIOL With or Without OCCIT for Correction of Pre-Existing Corneal ATR > 1.00	Samar Basak MBBS MD DNB
9:34 AM	Outcomes of the Nidek M Pop Customized Aspheric Transition Zone Treatments for Myopia and Astigmatism	Mihai Pop MD
9:41 AM	Microincision Cataract Surgery in White Mature/ Hypermature Cataracts in South India	Arup Chakrabarti MS
9:48 AM	New Model of Building Satellite Village Eye Units and Using Sutureless ECCE to Clear Cataract Blindness in China	Dennis S C Lam MD
9:55 AM	Phaco vs. Phaco-Trabeculectomy in Chronic Angle-Closure Glaucoma: Preliminary Results From a Randomized Trial	Clement C Y Tham MBBS
10:02 AM	Discussion	Ashu Agarwal MBBS Arup Chakrabarti MS Arthur C K Cheng MD Naoyuki Maeda MD Srinivas K Rao DO DNB FRCSEd
10:15 AM	REFRESHMENT BREAK and EXHIBITS	
<i>Section VII:</i>	<i>Current State-of-the-Art in Laser Vision Correction: Wavefront, Topography-Based Surgery and Other New Developments</i>	
	<i>Moderators: Steven C Schallhorn MD and Richard W Yee MD</i>	
10:45 AM	Keynote: Corneal Topography and Wavefront in Clinical Practice	Stephen D Klyce PhD
11:00 AM	Comparative Study of Epi-LASIK and LASEK	Jinhui Dai MD PhD
11:07 AM	Optical Visual Performance After Pseudoaccommodative (Presbyopic) Advanced Surface Ablation PASA: WF, PSF, Strehl Ratio and MTF	Roberto Cantu MD
11:14 AM	Intralase LASIK: Advantages and Disadvantages	William W Culbertson MD
11:21 AM	LASIK in the Navy Aircraft Carrier Pilot	Steven C Schallhorn MD
11:28 AM	Aspheric Ablation Profiles vs. Customized Ablation	Theo Seiler MD PhD
11:35 AM	Reliability of Central Corneal Thickness Measurements Using Pentacam	Osman Oram MD
11:42 AM	Discussion	Mitchell A Jackson MD Jongho Lee MD PhD Dongho Lee MD Con Moshegov FRANZCO FRACS Tong Sun MD
12:00 PM	LUNCH and EXHIBITS	
<i>Section VIII:</i>	<i>Current Paradigms in Cataract Surgery Following Previous Corneal Surgeries: LASIK, RK, PRK, Phakic IOLs, Refractive, and Cataract</i>	
	<i>Moderators: James J Salz MD and Helen K Wu MD</i>	
1:15 PM	Keynote: IOL Calculations After Refractive and Corneal Surgery	James J Salz MD
1:30 PM	Refractive Surprise Post Phaco? Bail Yourself Out With Piggy-Back Secondary Implant	James J Salz MD
1:37 PM	Crystalens Accommodating IOL Implantation: Early Experience	Helen K Wu MD
1:44 PM	Comparison of Customized and Conventional Hyperopic LASIK Outcomes With the Visx Star S4 Laser	Con Moshegov FRANZCO FRACS

1:51 PM Custom Re-treatment of Induced Aberrations
1:58 PM Aberration, Modulation Transfer Function and Visual Performance After Corneal Refractive Surgery
2:05 PM Shallow Ablations in Phototherapeutic Keratectomy in Patients With Recurrent Corneal Erosions
2:12 PM Clinical Evaluation of ICL Implantation: Six-Month Follow-Up
2:19 PM Discussion

Ronald R Krueger MD
Yan Wang MD
Amy Man Ming Chow MBChB
Jongho Lee MD PhD
David J Apple MD
Stephen D Klyce PhD
Ronald R Krueger MD
James J Salz MD
Alvin L Young FRCS

2:31 PM REFRESHMENT BREAK and EXHIBITS

Section IX: Late-Breaking News: New Developments
Moderators: Arturo S Chayet MD and Ronald R Krueger MD

3:00 PM Keynote: Bioptics: Techniques and Results
3:15 PM Keratocyte Deficits in the Corneal Stroma Five Years After LASIK
3:22 PM Error Sources in Wavefront-Guided LASIK Surgery: Analysis and Avoidance
3:29 PM Refractive Outcomes and Visual Quality of a Topography-Guided Custom Ablation Using the Nidek CATz Ablation
3:36 PM Accommodation Restoration Concepts
3:43 PM Clinical Results With the Restore IOL
3:50 PM Elevation-Based Scheimpflug Topography
3:57 PM First-Order Aberration Analysis Is Critical for Refractive Surgery
4:04 PM Early Experience With New LADARVision Expanded Range CustomCornea Treatments
4:11 PM Changes in Higher-Order Aberrations and Contrast Sensitivity After Implantation of Artisan Phakic IOL
4:18 PM Online Pachymetry With a 500Hz Multidiagnostic Excimer Laser: Three-Month Results
4:25 PM Hyperopic Astigmatic LASIK With Nidek
4:32 PM Interpretation of Corneal Topography With Artificial Intelligence
4:39 PM Comparison of the WF, PSF, Strehl Ratio, and MTF Between 20/20 Untreated Post Advance Surface Ablation ASA
4:46 PM Discussion

Ramon Naranjo-Tackman MD
William M Bourne MD
Curtin G Kelley MD

Arturo S Chayet MD
Adrian Glasser PhD
Michael A Lawless MD
Michael W Belin MD
Michael K Smolek PhD
Ronald R Krueger MD
Eung Kweon Kim MD PhD
Matthias Maus MD PhD
Jean-Luc Febbraro MD
Stephen D Klyce MD

Roberto Cantu MD
William M Bourne MD
Jinhui Dai MD PhD
Alexander Day MBBS BSc
Guy M Kezirian MD
Michael A Lawless MD
Dennis S C Lam MD
Marguerite B McDonald MD FACS

4:58 PM Closing Remarks

5:00 PM ADJOURN

Educational Posters

Saturday, May 14, 3:00 PM – Monday, May 16, 5:00 PM

Rooms 304–305

Cataract Posters

Corneal Endothelial Cell Loss in Manual Small-Incision Cataract Surgery

Coaxial Phaco to Bimanual Microphako: The Way to Go

Phacoemulsification and Posterior Polar Cataract

The Use of Double Aniridic Rings to Create Artificial Iris in Small-Incision Aniridic Cataract Surgery

Postsurgical Glaucoma in Pediatric Cataract Patients: Is Primary IOL Implantation Protective?

Ocular Biometric Changes After Pediatric Cataract Extraction and Primary IOL Implantation

Postoperative Refractive Error of Secondary IOL Implantation After Simultaneous Vitrectomy and Lensectomy

Cases of Vitreous Surgery Using Side-Port Capsulorhexis Forceps

Use of Capsular Staining for Phacoemulsification in Cataracts With Capsular Delamination

Clinical Evaluation of Neodymium: YAG Laser Posterior Capsulotomy

The Outpatient Use of Kenalog to Identify Extraocular Vitreous at the Slit Lamp After Complicated Cataract Surgery

Intraocular Lens Bio-Compatibility in High Risk Eyes

The Clinical Use of Confocal Microscopy in the Diagnosis of an Anterior Chamber Epithelial Inclusion Cyst

Custom Control Software to Reduce Phaco Power in Cataract Surgery

Ashu Agarwal MBBS

Arup Chakrabarti MS

Meena Chakrabarti MS

Amy Man Ming Chow MBChB

Dilsher Dhoot BA MD

Dorothy Shu P Fan MD

Kazuki Hotta MD

Kenji Kawai MD

Ricky Law FRCS MD

Li Li MD

Michael Mahr MD

Timothy V Roberts MBBS

Wai Tat Tang MRCSEd MMed(Ophth)

Shao Bin Zhang MD

Refractive Surgery Posters

Efficacy, Stability, and Safety of Array Multifocal Lens in Singaporean Patients

Deep Lamellar Keratoplasty: A Case Series

Using Mini-RK Surgery to Treat Patients With Keratoconus

Wavefront-Guided Phototherapeutic Keratectomy for Haze With Astigmatism After LASEK: A Case Report

Infectious Keratitis After LASIK Using the IntraLase Femtosecond Laser

Confocal Microscopic Findings After PRK and LASIK

Comparison of High-Order Aberrations Between Eyes With Natural Super Vision and High Myopic Eyes

Active Eye-Tracking Helps Improvement of LASIK Results

Pseudoaccommodation by Anterior Ciliary Translocation With Holmium Laser Scleral Shrinkage

Use of Bimanual Phacoemulsification Capsulorhexis Forceps for Iris Enclavation of Verisyse Phakic IOL

Dominant Eye Testing by Worth 4 Dot Test and Hole-in-the-Card Test Under Habitual and Full Correction

LASEK: Perspectives of New Techniques—Our Experience

The Long-Term Results of Simultaneous Topical Phacoemulsification and Limbal Relaxing Incisions

Clinical Evaluation of Laser Epithelial Keratomileusis for Myopia

Is IOLMaster a Suitable Alternative in Measuring Keratometry Readings?

Topical Anesthesia-Induced Keratoplasty After LASEK

Surgically Induced Astigmatism Following Single-Site Phacotrabeculectomy With MMC Using Corneal Anchoring Suture

Paul T K Chew MD

Alexander Day MBBS BSc

Kahoko Fujimoto MD

Chao-Chien Hu MD

Eung Kweon Kim MD PhD

Dongho Lee MD

Young G Lee MD PHD

Yuan-Chieh Lee MD

Ana A Morales MD

Gerard Nah MBChB DAvMed FRCSEd

MMed(Ophth)

Kai-kai Qiu MD

Sambasiva V Rao MD

Chi Wai Tsang MBChB FHKAM

Ze-hong Wang MD

Albert CM Wong FCOph(HK)

FHKAM(Ophth)

Victoria WY Wong MBBS

Doris Wai Fong Yick MBChB