

INTERNATIONAL
MILITARY REFRACTIVE
SURGERY SYMPOSIUM

*Hotel Contessa – San Antonio, TX
January 4-7, 2009*

Sunday, January 4, 2009

6:00 pm Cypress Room **Welcome Reception**

Monday, January 5, 2009

7:00 am Contessa Ballroom **Registration, Continental Breakfast**

Morning session: Invited Papers

Moderator: CDR Elizabeth Hofmeister, MD, Conference Chairman

8:00 **Welcome**
CDR Elizabeth Hofmeister, MD

8:05 **The State of Refractive Surgery in the
U.S. Air Force**
Lt Col Charles Reilly, MD

8:20 **The State of Refractive Surgery in the
U.S. Army**
COL Scot Bower, MD, FACS

8:35 **The State of Refractive Surgery in the
U.S. Navy**
CAPT David Tanzer, MD

8:50 **Evaluation of Factors Associated with Changes in Night Driving Performance after
LASIK**
CAPT (Ret) Steve Schallhorn, MD

9:15 **Keynote Address**
David Schanzlin, MD
Professor and Refractive Surgeon, University of California San Diego Shiley Eye Center

9:50 Magnolia Room **Break, Visit Exhibits**

10:30 Contessa Ballroom **LASIK in Naval Aviation**
CAPT David Tanzer, MD

10:40 **Refractive Surgery in Air Force Aviation**
Lt Col John Gooch, MD

10:50 **Great Britain's Military Refractive Surgery Program**
Major Gerry Clare, BSc, FRCOphth

11:00 **Refractive Surgery in Israel Defense Forces Recruits**
Major (Ret) Josepha Horowitz, MD

11:10 **Changes to Canadian Forces Laser Refractive Surgery Policy**
LCol Scott McLeod, MD, MPH, ABPM (Av Med)

11:20 **France's Military Refractive Surgery Program**
COL Jean Rigal-Sastourne, MD

11:30 **FDA Hearings on LASIK: How Can We Improve Our Informed Consent?**
CAPT David Tanzer, MD
COL Scott Barnes, MD

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| 12:00 | Cypress Room | Lunch, Visit Exhibits |
| 13:30- 15:30: Free Papers Session One | | |
| 7 minute presentation with 3 minutes for questions and answers Moderator: COL Mark Torres, MD | | |
| 13:30 | Contessa Ballroom | Comparison of shooting performance before and after wavefront guided LASIK LTC Mohamad Rosman, FRCSED, Singapore Armed Forces |
| 13:40 | | Bandage Soft Contact Lens Role in Pain Control after LASEK: Does Lens Type Make a Difference? LTC Darrel Carlton, MD, Womack Army Medical Center, Ft. Bragg, NC |
| 13:50 | Contessa Ballroom | Correlations between Optical Aberrations and Visual Acuity in the Eyes of U.S. Naval Aviators with Exceptional Uncorrected Vision LCDR Tyson Brunstetter, OD, PhD, Navy Refractive Surgery Center, San Diego |
| 14:00 | | Evaluation of Systane® versus Placebo in Corneal Epithelial Healing Following Photorefractive Keratectomy Maj Vasudha Panday, MD |
| 14:10 | | Wavefront-guided corneal refractive surgery following phakic intraocular lens implantation for high myopia with astigmatism CDR Elizabeth Hofmeister, MD |
| 14:20 | Magnolia Room | Break, Visit Exhibits |
| 14:40 | Contessa Ballroom | Resident performed femtosecond microkeratome assisted laser in situ keratomileusis (IntraLASIK): Refractive outcomes and complications of residents versus anterior segment teaching faculty Capt Tighe Richardson, DO, Navy Refractive Surgery Center, San Diego |
| 14:50 | | Validation of the High Definition Complete Ophthalmic Analysis System (COAS-HD/VR) as a Research-based Ocular Aberrometer CAPT (Ret) Donna Murdoch, Ph.D. Navy Refractive Surgery Center, San Diego |
| 15:00 | | Measuring intraocular pressure post PRK using the dynamic contour tonometer, Perkins tonometer, pneumatonometer, and Tono Pen Capt Marcus Neuffer, MD, Wilford Hall Medical Center, Lackland AFB, San Antonio, TX |
| 15:10 | | Quantification of Super Vision Capt Brett Davies, MD, Wilford Hall Medical Center, Lackland AFB, San Antonio, TX |
| 15:20 | | Refractive Surgery Complications in Operation Iraqi Freedom and Operation Enduring Freedom: The Air Force Experience Lt Col Charles Reilly, MD |
| 15:30 | | End of Monday session |
| 18:30 | Casa Rio Restaurant | Refractive Dinner (Supported by AMO) |

Tuesday, January 6, 2009

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| 7:30 am | Magnolia Room | Continental Breakfast |
| Morning session I: Intralase LASIK Techniques for the Military Refractive Surgeon | | |
| 10 minute talks with 5 minutes for discussion Moderator: LTC Gerard Nah, MBChB, DAvMed, MMed, FRCSEd, FAMS | | |
| 8:30 | Contessa Ballroom | Intralase: Cutting the perfect flap and managing intraoperative complications Lt Col Charles Reilly, MD |
| 8:45 | | At the excimer: Techniques for handling the flap like a pro CAPT David Tanzer, MD |
| 9:00 | | Postoperative complications I: Infections, DLK, central toxic keratopathy, epithelial defects, dry eye Maj Vasudha Panday, MD |
| 9:15 | | Postoperative complications II: Epithelial ingrowth, flap striae, and flap dislocations |

COL Tony Johnson, MD

9:30 LASIK Retreatments: Pre-op Planning and Surgical Techniques
COL Mark Torres, MD

9:45 Magnolia Room Break, Visit Exhibits

Morning session II: Patient safety and New Technologies

Moderator: Maj Vasudha Panday, MD

10:30 Contessa Ballroom Patient Safety in the Military Refractive Surgery Center
CDR Elizabeth Hofmeister, MD

10:40 Safer Laser Surgery in the Military- Tips and Tricks
Lt Col Uzeyir Erdem, MD

10:50 Contessa Ballroom Retinal Considerations Prior to Refractive Surgery
Lt Col Gary Lane, MD

11:00 Safety and Efficacy of LASIK to Treat Myopia in a Large Corporate Practice
CAPT (Ret) Steve Schallhorn, MD

11:10 Contrast Sensitivity Review and the Super Vision-Night Vision Goggle Test
Jeff Rabin, OD, MS, PhD, FAAO

11:20 New Technologies: What Else Is There Besides Wavefront-guided Treatments?
LTC Gerard Nah, MBChB, DAvMed, MMed, FRCSEd, FAMS

11:30 Medical Contraindications to Refractive Surgery: Hazards vs. Hype
CDR Elizabeth Hofmeister, MD

11:40 Cypress Room Lunch, Visit Exhibits

13:15 Contessa Ballroom Military Refractive Surgery Grand Rounds: Each service presents a challenging case, 5 minute presentations with 3 minutes for questions and answers
Moderator: CDR Elizabeth Hofmeister, MD

Navy, Army, Air Force, International

14:15 Magnolia Room Break, Visit Exhibits

14:45 Free Papers: Session Two
7 minute presentation with 3 minutes for questions and answers
Moderator: COL Mark Torres, MD

14:45 Contessa Ballroom Race and Skin Type impact on Corneal Haze Formation in Surface Ablation
Lt Col Charles D. Reilly, MD

14:55 Visual Acuity After Corneal Refractive Surgery
Claudia H. Stern, MD, PhD, German Aerospace Center, Cologne, Germany

15:05 Neural Regulation of Conjunctival Goblet Cell Secretion
Darlene Dartt, PhD

15:15 Traumatic LASIK Flap Avulsion: A Case Report
CAPT David Tanzer, MD

15:25 The Navy Implantable Contact Lens Study: Investigating an Alternative to the White-to-white Parameter for ICL Lens Sizing
LCDR Corby D. Ropp, DO, Navy Refractive Surgery Center, San Diego

15:35 Visante OCT versus Intraoperative Subtraction Pachymetry to Measure Intralase Lasik Flaps
Lt Col Charles D. Reilly, MD

15:45 End of Tuesday Session

Wednesday, January 7, 2009

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| 7:30 am | Magnolia Room | Continental Breakfast |
| 8:00 | Contessa Ballroom | Awards Ceremony |
| 8:30 | | Panel discussion: Refractive Surgery Policies, Coding, Prioritization Dr. Barnes, Dr. Bower, Dr. Hofmeister, Dr. Johnson, Dr. Panday, Dr. Reilly, Dr. Tanzer |
| 9:30 | Magnolia Room | Break, Visit Exhibits |
| 9:45 | | Breakout Sessions with Refractive Surgery Program Managers U.S. Navy: CAPT Dave Tanzer, MD U.S. Army: COL Scot Bower, MD, FACS U.S. Air Force: Lt Col Charles Reilly, MD |
| 12:00 | Contessa Ballroom | Evaluations, Certificates, End of Program |
| 12:30-3:00 | TBD | NATO RTO Exploratory Team Meeting <i>(By Invitation Only)</i> Lt Col John Gooch, MD |

Conference Chairmen

CDR Elizabeth Hofmeister, MD
Conference Chairman
Naval Medical Center San Diego
San Diego, California

LTC Gerard Nah, MBChB, DAvMed, MMed, FRCSEd, FAMS
Conference Co-Chairman
Senior Ophthalmologist, Singapore Armed Forces
Singapore

Maj Vasudha Panday, MD
Conference Co-Chairman
Wilford Hall Air Force Medical Center
San Antonio, Texas

Lt Col Mark Torres, MD
Conference Co-Chairman
Madigan Army Medical Center
Tacoma, Washington

Faculty

David Schanzlin, MD
Keynote Speaker
Professor and Refractive Surgeon
University of California San Diego Shiley Eye Center
Director, Keratorefractive Surgery
San Diego, California

COL Scott Barnes, MD
Chief of Ophthalmology
Womack Army Medical Center
FT Bragg, Georgia

COL Scot Bower, MD, FACS
U.S. Army Refractive Surgery Consultant
Walter Reed Army Medical Center
Washington, DC

Major Gerry Clare, BSc, FRCOphth
Major, RAMC
Specialist Registrar in Ophthalmology, Moorfields Eye Hospital
United Kingdom

Uzeyir Erdem, MD

Assistant Professor
Gulhane Military Medical Academy, Department of Ophthalmology
Ankara, Turkey

Major (Ret) Josepha Horowitz, MD

Israeli Defense Forces
Staff Ophthalmologist Carmel Medical Center
Haifa, Israel

LtCol John Gooch, MD

Chief, Aerospace Ophthalmology Branch
U.S. Air Force School of Aerospace Medicine
San Antonio, Texas

Major Hiroya Goto, MD

Japanese Defense Forces
Tokyo, Japan

COL Anthony Johnson, MD

Brooke Army Medical Center
San Antonio, Texas

Lt Col R. Gary Lane, MD

SAUSHEC Ophthalmology Program Director
Wilford Hall Air Force Medical Center
San Antonio, Texas

LCol Scott McLeod, MD, MPH, ABPM (Av Med)

Senior Staff Officer Primary Care
Canadian Defense Forces

Jeff Rabin, OD, MS, PhD, FAAO

Diplomate in Vision Science
Associate Professor & Director of Research,
Univ. of Incarnate Word School of Optometry Scientist,
Aerospace Ophthalmology, USAF School of Aerospace Medicine
San Antonio, TX

Lt Col Chaz Reilly, MD

U.S. Air Force Refractive Surgery Consultant
Wilford Hall Air Force Medical Center
San Antonio, Texas

COL Jean Rigal-Sastourne, MD

Director of Program
French Defense Forces

CAPT (Ret) Steve Schallhorn, MD

Chief Medical Director Optical Express
San Diego, California

CAPT Dave Tanzer, MD

U.S. Navy Refractive Surgery Program Manager
Naval Medical Center San Diego
San Diego, California