

Cutaneous Laser Surgery - North Hall C

3:45 pm - 6:00 pm

Directors: *Gary P. Lask, M.D., Zeina S. Tannous, M.D., Brian D. Zelickson, M.D.*

Educational Needs

This session examines the latest advances in facial tightening as well as home devices. It focuses on the use of focused ultrasound for brow lift and facial tightening and the use of fractional radiofrequency devices for improvement of facial rhytides and laxity. Furthermore, new home devices for wrinkles, hair removal, and acne will be addressed. Participants will develop an understanding of the present treatment indications and therapeutic techniques.

Participants

This session will benefit physicians and health care personnel who treat cutaneous disorders in the disciplines of dermatology, plastic surgery, and facial plastic surgery. It will also benefit those engineers and medical device personnel who actively work to develop devices for the treatment of cutaneous disorders.

Background Requirements

Participants should have a basic understanding of the fundamentals of skin biology, laser physics, and laser tissue interaction.

Instructional Content and/or Expected Learning Outcomes

Attendees will gain knowledge of cutting edge ultrasound and radiofrequency treatments for facial tightening as well as home devices, and their clinical applications in the area of cutaneous conditions.

Hot Topics

- Focused Ultrasound and Fractional Radiofrequency Devices for Facial Tightening
- Home Devices

3:45 pm - 3:46 pm

Introduction

LATE-BREAKING ABSTRACT

3:47 pm - 3:51 pm

90

INTRODUCTION OF i-PDT: A NEW PHENOMENON ABLE TO REDUCE SIDE-EFFECTS OF PHOTODYNAMIC THERAPY WITH ALA AND ALA DERIVATIVES

Fernanda H. Sakamoto, Apostolos G. Doukas, Martin Purschke, William A. Farinelli, Zeina Tannous, R. Rox Anderson, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA

•Content discusses non-FDA approved device or off-label use

LATE-BREAKING ABSTRACT

3:52 pm - 3:56 pm

91

TREATMENT OF VENOUS MALFORMATIONS WITH AN 800nm DIODE LASER

Zeina Tannous, R. Rox Anderson, Mathew Avram, VAMC, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA

•Content discusses non-FDA approved device or off-label use

LATE-BREAKING ABSTRACT

3:57 pm - 4:01 pm

92

REPIGMENTATION OF HYPOPIGMENTED SCARS

Richard Fitzpatrick¹, LaJolla Cosmetic Surgery Centre, La Jolla, CA

¹*Consulting fees and stockholder with Solta*

•Content discusses non-FDA approved device or off-label use

LATE-BREAKING ABSTRACT

- 4:02 pm - 4:06 pm 93 **A RANDOMIZED CONTROLLED TRIAL TO ASSESS THE EFFECTS OF AN INTENSE ULTRASOUND TREATMENT ON SKIN LAXITY OF THE LOWER FACE USING A NOVEL 3-D SELF-POSITIONING LASER SCANNER**
Daniel Barolet¹, Mathieu Aculair², Francois Barolet², Virginie C. Barolet², Isabelle Lussier³, RoseLab Skin Optics Research Laboratory, McGill University, Montreal, Quebec, Canada
¹Equipment from Northern Optotronics, Inc. and Ulthera
²Salary from RoseLab Skin Optics Research Laboratory
³Consulting fees from RoseLab Skin Optics Research Laboratory
•Content discusses non-FDA approved device or off-label use

LATE-BREAKING ABSTRACT

- 4:07 pm - 4:11 pm 501 **ACCUMULATIVE ABDOMEN FAT LAYER REDUCTION FROM MULTIPLES ZELTIQ CRYOLIPOLYSIS PROCEDURES**
Ivan A. Rosales-Berber¹, Elsa S. Diliz-Perez, John Allison, Private Practice, San Luis Potosi, Mexico, Zeltiq, Pleasanton, CA
¹Travel expenses from Zeltiq
•Content discusses non-FDA approved device or off-label use

4:12 pm - 4:16 pm Q&A

FACIAL TIGHTENING

- 4:17 pm - 4:22 pm 94 **CLINICAL FEASIBILITY OF 3-D FRACTIONAL TREATMENTS WITH FOCUSED ULTRASOUND**
R. Rox Anderson¹, Michael Slaytor², Randall Miller³, Aaron Call⁴, Harvard Medical School, Boston, MA, Ulthera, Mesa, AZ
¹Travel expenses and equity position with Ulthera
²Equity position with Ulthera
³Salary and equity position with Ulthera
⁴Salary from Ulthera
- (ePoster Available)
- 4:23 pm - 4:28 pm 95 **MICRO-FOCUSED ULTRASOUND FOR BROW LIFT AND IMPROVEMENT OF FACIAL SKIN LAXITY AND TEXTURE: FINAL RESULTS OF A MULTI-CENTER CLINICAL STUDY**
Murad Alam¹, Kenneth Arndt¹, Jeffrey Dover¹, Brian Zelickson¹, E. Victor Ross¹, Northwestern University, Chicago, IL, Skincare Physicians, Chestnut Hill, MA, University of Minnesota, Minneapolis, MN, Scripps Clinic, San Diego, CA
¹Research grant from Ulthera
- (ePoster Available)
- 4:29 pm - 4:34 pm 96 **CLINICAL EFFICACY OF TRANSCUTANEOUS FOCUSED ULTRASOUND FOR NON-INVASIVE SKIN TIGHTENING IN ASIANS**
Nicola P.Y. Chan, Samantha Y. Shek, Stephanie G.Y. Ho, C.K. Yeung, T. Kono, Henry H.L. Chan, University of Hong Kong, Hong Kong SAR, China, Tokyo Women's Medical University, Tokyo, Japan

- 4:35 pm - 4:40 pm 97 **PRELIMINARY RESULTS OF A CLINICAL TRIAL USING MICRO-FOCUSED ULTRASOUND FOR BROW LIFT AND IMPROVEMENT OF JAPANESE LOWER FACIAL SKIN CONTOUR AND TEXTURE**
Rica Tanaka¹, Tsuyoshi Fuku¹, Muneo Miyasaka¹, Tokai University School of Medicine, Isehara, Japan
¹*Equipment from Candela Japan*
- 4:41 pm - 4:46 pm **Q&A**
- 4:47 pm - 4:52 pm 98 **TWELVE MONTHS FOLLOW-UP OF INTENSE FOCUSED ULTRASOUND THERAPY TO MID-FACIAL DEEP TISSUE IN ASIANS**
Taro Kono¹, William Groff², Henry Chan³, Hiroyuki Sakurai, Tokyo Women's Medical University, Tokyo, Japan, La Jolla Cosmetic Surgery Centre, La Jolla, CA, University of Hong Kong and Chinese University of Hong Kong, Hong Kong SAR, China
¹*Discount and honoraria from Candela and Solta, travel expenses from Ulthera*
²*Honoraria from Solta*
³*Stockholder with Solta*
- 4:53 pm - 4:58 pm 99 **3-D FRACTIONAL APPROACH FOR TREATMENT OF THE FIRST 3MM OF SKIN WITH FOCUSED ULTRASOUND: FEASIBILITY STUDY**
(ePoster Available)
Michael Slayton¹, Stephanie Lyke, Randall Miller², Ulthera, Guided Therapy Systems, Mesa, AZ
¹*Equity position with Ulthera*
²*Salary and equity position with Ulthera*
•Content discusses non-FDA approved device or off-label use
- 4:59 pm - 5:04 pm 100 **HISTOLOGIC EVALUATION OF DEEP DERMAL HEATING BY FRACTIONAL RADIOFREQUENCY ACCORDING TO ENERGY LEVEL: A 10-WEEK FOLLOW-UP STUDY**
(ePoster Available)
Un-Cheol Yeo¹, Doo-Rak Lee, So-Dug Lim, S&U Dermatologic Clinic, Konkuk University, Seoul, South Korea
¹*Research grant from Jeisys Company*
•Content discusses non-FDA approved device or off-label use
- 5:05 pm - 5:10 pm 101 **PROSPECTIVE OPEN-LABEL MULTI-CENTER CLINICAL TRIAL EVALUATING THE EFFICACY OF FRACTIONAL RADIOFREQUENCY FOR THE TREATMENT OF FACIAL RHYTIDS AND LAXITY**
(ePoster Available)
Macrene Alexiades-Armenakas¹, Andrea Willey¹, Suzanne Kilmer¹, David Goldberg, Jerome Garden¹, David Berman¹, Braden Stridde¹, Basil M. Hantash¹, Bradley Rentor², James Newman¹, Yale University School of Medicine, Dermatology and Laser Surgery Center, Mount Sinai School of Medicine, New York, NY, Laser & Skin Surgery Center of Northern California, Sacramento, CA, Northwestern University, Chicago, IL, Berman Skin Institute, Palo Alto, CA, Puget Sound Plastic Surgery, Federal Way, WA, Elixer Institute of Regenerative Medicine, San Jose, CA, Primaeva Medical, Pleasanton, CA, Premier Plastic Surgery, San Mateo, CA
¹*Research grant from Primaeva*
²*Equipment from Primaeva*
- 5:11 pm - 5:16 pm **Q&A**

HOME DEVICES

- 5:17 pm - 5:22 pm 102 **MULTI-CENTER CLINICAL TRIALS OF HOME-USE NON-ABLATIVE FRACTIONAL LASER DEVICE FOR WRINKLE REDUCTION**
James Leyden¹, Thomas Stephens², Skin Study Center, Broomall, PA, Stephens & Associates, Carrollton, TX
¹Equipment, consulting fees, and travel expenses from Palomar; travel expenses from J&J
²Equipment and consulting fees from Palomar
- 5:23 pm - 5:28 pm 103 **MULTI-CENTER CLINICAL STUDY OF COMBINED IN-OFFICE/AT-HOME PROTOCOL OF TOTAL FACIAL REJUVENATION**
Fredric Brandt¹, Alex Cazzaniga, James Spencer, David Vasily, Mary Cerino, Brooke Seckel, Robert Weiss, Dermatology Research Institute, Coral Gables, FL, Spencer Dermatology and Skin Surgery Center, St. Petersburg, FL, Aesthetica Cosmetic and Laser Center, Bethlehem, PA, Boston Plastic Surgery Associates, Concord, MA, Maryland Laser Skin & Vein Institute, Hunt Valley, MD
¹Equipment from Palomar
•Content discusses non-FDA approved device or off-label use
- 5:29 pm - 5:34 pm 104 **TREATMENT OF MILD TO MODERATE ACNE VULGARIS USING A COMBINED LIGHT AND HEAT ENERGY DEVICE: HOME-USE CLINICAL STUDY**
Neil Sadick, Zahava Laver, Lior Laver, Cornell Medical, New York, NY, Tel-Aviv, Israel
(ePoster Available)

LATE-BREAKING ABSTRACT

- 5:35 pm - 5:40 pm 105 **JOWL CONTOURING AND TIGHTENING WITH 1444nm LASER ASSISTED LIPOSUCTION**
Lori Brightman, Sheetal Desai, Elliot Weiss, Julie Karen, Anne Chapas, Elizabeth Hale, Leonard Bernstein, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY
(ePoster Available)
- 5:41 pm - 5:45 pm Q&A
- 5:46 pm - 5:51 pm 106 **ARE HOME-USE INTENSE PULSED LIGHT DEVICES SAFE?**
Godfrey Town¹, Caerwyn Ash², Independent Laser Protection Adviser, Haywards Heath, United Kingdom, School of Medicine, University of Wales, Swansea, United Kingdom
¹Consulting fees and travel expenses from CyDen, Ltd.
²Salary and equity position with Cyden, Ltd.
- 5:52 pm - 5:57 pm 107 **MUSCLE CONTRACTILITY REDUCTION VIA APPLICATION OF LOW TEMPERATURES USING A PORTABLE HANDHELD DEVICE**
Vic Narurkar, Michael Hsu, Fang Stevenson, Kristine Tatustani, William Wetschler, Bay Area Laser Institute, San Francisco, CA, Myoscience, Redwood City, CA, Spokane Dermatology, Spokane, WA
•Content discusses non-FDA approved device or off-label use
- 5:58 pm - 6:00 pm Q&A