



Cutaneous Laser Surgery Session

Friday, April 1, 2011

2011 Annual Conference
 Pre-Conference Courses: March 30-31, 2011
 Annual Conference: April 1-3, 2011
 Gaylord Texan™ Resort and Convention Center
 Grapevine, TX

Cutaneous Laser Surgery – Longhorn F

1:00 pm – 6:10 pm

Directors: *Mathew M. Avram, M.D., J.D., Paul M. Friedman, M.D.*

Disclosures

Mathew M. Avram is a stockholder with Zeltiq
Paul M. Friedman received honoraria from Candela, DUSA and Solta

LASER AND LIGHT THERAPY FOR THE TREATMENT OF VASCULAR LESIONS AND SCARS

Educational Needs

This session focuses on the use of lasers and light sources for the treatment of cutaneous vascular lesions and scars. The topics of new therapeutic techniques and optimized treatment approaches for targeting vascular lesions and scars will be addressed in this session. Participants will develop an understanding of the present treatment indications, therapeutic techniques, and new and innovative technologies.

Participants

This session will benefit physicians and health care personnel who treat vascular cutaneous disorders in the disciplines of dermatology, plastic surgery, otolaryngology, facial plastic surgery, and vascular 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 laser and light sources and their clinical applications in the area of cutaneous vascular lesions and scars.

Hot Topics

- Laser speckle imaging during treatment
- Histologic change of burn scars after fractional ablative treatment

1:00 pm – 1:01 pm		Introduction - <i>Mathew M. Avram, Paul M. Friedman</i>
1:02 pm – 1:07 pm (ePoster available)	46	INVESTIGATION INTO SAFE AND EFFECTIVE TREATMENT INTERVALS OF PORT WINE STAINS USING THE PULSED DYE LASER <i>Robert Anolik, Tracey Newlove, Elliot T. Weiss, Anne Chapas, Lori Brightman, Elizabeth K. Hale, Julie K. Karen, Leonard Bernstein, Roy G. Geronemus¹</i> , Laser and Skin Surgery Center of New York, New York University School of Medicine, New York, NY ¹ Equity position with Solta
1:08 pm – 1:13 pm	47	REAL-TIME LASER SPECKLE IMAGING AS AN INTRAOPERATIVE DIAGNOSTIC TOOL DURING TREATMENT OF PORT WINE STAIN BIRTHMARKS <i>Bruce Yang, Owen Yang, Kristen Kelly, J. Stuart Nelson, Bernard Choi</i> , Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA
1:14 pm – 1:19 pm (ePoster available)	48	THE USE OF LONG PULSED Nd:YAG LASER IN THE TREATMENT OF PEDIATRIC VENOUS MALFORMATION <i>Stratos Sofos➔, Se Hwang Liew</i> , Liverpool, United Kingdom

➔Recipient of ASLMS travel grant.

LATE-BREAKING ABSTRACT

1:20 pm - 1:25 pm		TREATMENT OF PORT WINE STAIN USING AN INTENSE PULSE LIGHT DEVICE WITH A NEW OPTIMIZED LIGHT HANDPIECE <i>E. Victor Ross, Emily Yu, Chad Tingey, Scripps Clinic, San Diego, CA</i>
1:26 pm - 1:31 pm (ePoster available)	50	OPTIMIZED SPECTRAL OUTPUT AND PULSE SHAPES FOR VASCULAR TREATMENTS <i>Robert Weiss¹, E. Victor Ross², Emil Tanghetti³, David B. Vasily³, James Childs⁴, Mikhail Smirnov⁴, Gregory Altshuler⁴, Maryland Laser, Skin and Vein Institute, Baltimore, MD, Scripps Clinic, San Diego, CA, Center for Dermatology and Laser Surgery, Sacramento, CA, Aesthetica Cosmetic & Laser Surgery Center, Bethlehem, PA, Palomar Medical Technologies, Burlington, MA</i> ¹ Equipment and research grant from Palomar ² Equipment, consulting fees, research grant from Palomar ³ Equipment from Palomar ⁴ Salary from Palomar
1:32 pm - 1:37 pm	51	SPLIT-FACE RANDOMIZED TREATMENT OF FACIAL TELANGIECTASIA COMPARING PULSED DYE LASER AND A NEW OPTIMIZED LIGHT HANDPIECE <i>Emil Tanghetti¹, Center for Dermatology and Laser Surgery, Sacramento, CA</i> ¹ Equipment from Palomar
1:38 pm - 1:43 pm (ePoster available)	52	ANGIOGENESIS MEDIATOR ALTERATIONS IN ANGIOMAS AFTER PULSED DYE LASER TREATMENT <i>Kristen Kelly, Belinda Dao, Janelle Marshall, Amy Nguyen, <u>Vivian Laquer</u>◆♣, Elizabeth Rugg, Ronald Harris, Tina Chen, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA</i> •Content discusses non-FDA approved device or off-label use
1:44 pm - 2:02 pm		Q&A
2:03 pm - 2:08 pm (ePoster available)	53	NON-ABLATIVE FRACTIONAL LASER RESURFACING FOR THE TREATMENT OF SCARS AND GRAFTS AFTER MOHS MICROGRAPHIC SURGERY: A RANDOMIZED CONTROLLED TRIAL <i>Evelien Verhaeghe, Katia Ongenae, Jessica Bostoan, Jo Lambert, University Hospital Ghent, Ghent, Belgium</i>
2:09 pm - 2:14 pm	54	HISTOLOGIC CHARACTERISTICS OF MATURE BURN SCARS BEFORE AND AFTER THREE TREATMENTS WITH FRACTIONAL CO₂ LASER <i>David Ozog¹, Marsha Chaffins¹, Ronald Moy¹, Elizabeth Farhat¹, Henry Ford Hospital, Detroit, MI, University of California, Los Angeles, CA</i> ¹ Study funded by Lumenis •Content discusses non-FDA approved device or off-label use
2:15 pm - 2:20 pm (ePoster available)	55	SUCCESSFUL TREATMENT OF POST BURN SCARS WITH FRACTIONAL CO₂ LASER IN INDIAN SKIN <i>Ashok Naik, Sahil Dhavan, Shilpa Shah, <u>Niteen Dhepe</u>, Pune, India</i>

◆Recipient of U.S. Air Force Office of Scientific Research travel grant.
♣Best Student/Resident Cutaneous Laser Surgery Award Recipient.

LATE-BREAKING ABSTRACT

2:21 pm - 2:26 pm		<p>GENE EXPRESSION ANALYSIS OF <i>IN VIVO</i> WOUND HEALING POST NON INVASIVE MONOPOLAR RADIOFREQUENCY TREATMENT: EVIDENCE OF NEOCOLLAGENESIS</p> <p><i>Erica Lee Elford, Rachana Soni, Kerrie Jiang, Sherry Alandt, Steven K. Struck, Vikramaditya P. Bedi, Christopher B. Zachary, Solta Medical Inc., Hayward, CA, Struck Plastic Surgery, Atherton, CA, University of California, Irvine, CA</i></p>
2:27 pm - 2:32 pm	57	<p>TREATMENT OF SCARS USING LASER AND LASER ASSISTED CORTICOSTEROID DELIVERY</p> <p><i>Jill Waibel, Stephen Davis, Emmy Graber, Nathan Uebelhoer, Miami Dermatology and Laser Institute, University of Miami Miller School of Medicine Miami, FL, Boston University School of Medicine and Boston Medical Center, Boston, MA, Naval Medical Center, San Diego, CA</i></p>
2:33 pm - 2:44 pm		Q&A
2:45 pm - 3:44 pm		Break - Visit the Exhibits and ePosters

RADIOFREQUENCY, NON-ABLATIVE FRACTIONAL, AND BODY CONTOURING

Educational Needs

This session focuses on the use of radiofrequency and non-ablative fractional lasers for the treatment of a variety of conditions. Additionally, each of the topics of laser-assisted liposuction, techniques for non-invasive fat removal, assessment of techniques to evaluate treatment outcomes, and potential complications will be addressed. Participants will develop an understanding of the present treatment indications, therapeutic techniques, and new and innovative technologies.

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 laser treatments and their clinical applications in the treatment of cutaneous conditions.

Hot Topics

- Radiofrequency laser treatments for a variety of conditions
- Side effects and risks from cryolipolysis

3:45 pm - 3:50 pm <i>(ePoster available)</i>	58	<p>FRACTIONAL ABLATIVE RADIOFREQUENCY TREATMENT FOR SKIN TYPES V-VI: RISK-BENEFIT ANALYSIS</p> <p><i>Jennifer Chwalek, Mussarrat Hussain, David Goldberg, Skin Laser & Surgery Specialists of NY and NJ, New York, NY</i></p>
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3:51 pm - 3:56 pm <i>(ePoster available)</i>	59	<p>THE EFFECTS OF FRACTIONAL RADIOFREQUENCY MICRONEEDLE ON PERIORBITAL WRINKLES OF KOREAN PATIENTS</p> <p><i>Won-Serk Kim¹, Ga-young Lee¹</i>, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Korea</p> <p>¹<i>Equipment from Jeisys</i> •Content discusses non-FDA approved device or off-label use</p>
3:57 pm - 4:02 pm <i>(ePoster available)</i>	60	<p>BIPOLAR PARALLEL RADIOFREQUENCY FOR REDUCTION DEPTH OF WRINKLES: A PROSPECTIVE STUDY VISUALIZED BY COLORED 3D IMAGING SYSTEM</p> <p><i>Katharina Russe-Wilflingseder¹, Elisabeth Russe¹</i>, Plastische Chirurgie und Laserzentrum, Innsbruck, Austria</p> <p>¹<i>Equipment from Asclepion Laser Technologies</i> •Content discusses non-FDA approved device or off-label use</p>
4:03 pm - 4:08 pm <i>(ePoster available)</i>	61	<p>A NOVEL ENERGY ASSISTED LIPOLYSIS APPROACH USING COMBINED RF AND LASER TECHNOLOGY</p> <p><i>Jason Pozner¹, Haim Epstein², Boris Vaynberg², Ruthie Amir²</i>, Cleveland Clinic, Weston, FL, Syneron, Yokneam Illit, Israel</p> <p>¹<i>Equipment and research grant from Syneron</i> ²<i>Salary from Syneron</i> •Content discusses non-FDA approved device or off-label use</p>
4:09 pm - 4:14 pm	62	<p>FRACTIONAL BIPOLAR RADIOFREQUENCY DELIVERED THROUGH A VACUUM-ASSISTED, MICRONEEDLE ARRAY FOR THE TREATMENT OF ACNE SCARRING: A PILOT STUDY</p> <p><i>Girish Munavalli¹, Robert Anderson²</i>, Dermatology Laser and Vein Specialists, Charlotte, NC, Theravant Corporation, Pleasanton, CA</p> <p>¹<i>Equipment and equity position with Theravant</i> ²<i>Salary, equity position, intellectual property rights with Theravant</i></p>

LATE-BREAKING ABSTRACT

4:15 pm - 4:20 pm		<p>TREATMENT OF BURN SCAR DEFORMITIES IN FITZPATRICK SKIN TYPES IV-V WITH NON-ABLATIVE FRACTIONAL PHOTOTHERMOLYSIS: A REPORT OF 7 CASES</p> <p><i>Sean Boutros</i>, Houston Plastic & Craniofacial Surgery, Houston, TX</p>
4:21 pm - 4:36 pm		<p>Q&A</p>
4:37 pm - 4:42 pm <i>(ePoster available)</i>	64	<p>1550nm and 1927 FRACTIONAL LASER RESURFACING FOR THE TREATMENT OF ACTINIC KERATOSIS AND PHOTODAMAGE: A COMPARATIVE STUDY</p> <p><i>Paul M. Friedman, Jennifer M. Landau, Megan N. Moody, Denise Marquez, Jennifer Peterson, Leonard H. Goldberg¹, Irene J. Vergilis-Kalner</i>, DermSurgery Associates, Houston, TX, Goldman Butterwick & Associates, Cosmetic Laser Dermatology, San Diego, CA</p> <p>¹<i>Research grant from Solta</i></p>

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| 4:43 pm - 4:48 pm | 65 | <p>LONG-TERM FOLLOW-UP OF 1927nm FRACTIONAL RESURFACING FOR ACTINIC KERATOSES ON THE FACE</p> <p><i>Elliot Weiss, Robert Anolik, Lori Brightman, Anne Chapas, Elizabeth Hale, Julie Karen, Leonard Bernstein, Roy Geronemus¹</i>, Laser & Skin Surgery Center of New York, New York, NY</p> <p>¹<i>Stockholder with Solta</i></p> |
| 4:49 pm - 4:54 pm
(ePoster available) | 66 | <p>NON-ABLATIVE FRACTIONAL RESURFACING WITH THE 1927nm THULIUM LASER IS AN EFFECTIVE, WELL-TOLERATED TREATMENT FOR ACTINIC CHEILITIS</p> <p><i>Robert Anolik, Elliot T. Weiss, Abdul K. El Tal, Anne Chapas, Lori Brightman, Elizabeth K. Hale, Julie K. Karen, Leonard Bernstein, Leonard H. Goldberg, Paul M. Friedman, Roy G. Geronemus¹</i>, Laser and Skin Surgery Center of New York, New York, NY, MD Anderson Cancer Center, DermSurgery Associates, Houston, TX</p> <p>¹<i>Equity position with Solta</i></p> |
| 4:55 pm - 5:03 pm | | Q&A |
| 5:04 pm - 5:09 pm
(ePoster available) | 67 | <p>MULTIPLE TREATMENT, NON-INVASIVE CRYOLIPOLYSIS FOR BODY CONTOURING IN CHINESE PATIENTS</p> <p><i>Samantha Y. Shek, Nicola P.Y. Chan, C.K. Yeung, Henry H.L. Chan</i>, The University of Hong Kong, Hong Kong, China</p> |
| 5:10 pm - 5:15 pm | 68 | <p>TREATMENT OF THE DERMIS AND HYPODERMIS JUNCTION WITH WATER AND FAT SELECTIVE LASER WAVELENGTHS USING OPTICAL COMPRESSION PINS</p> <p><i>Brian Zelickson¹, Susan Walgrave, Irmina Wallander, James Childs², David Tabatadze², Mikhail Smirnov², Gregory Altshuler²</i>, Zel Skin and Laser Specialists, Edina, MN, Marshfield Clinic, Marshfield, WI, Palomar Medical Technologies, Inc., Burlington, MA</p> <p>¹<i>Equipment and research grant from Palomar</i>
²<i>Salary from Palomar</i>
•Content discusses non-FDA approved device or off-label use</p> |
| 5:16 pm - 5:21 pm
(ePoster available) | 69 | <p>SIDE EFFECTS AND RISKS ASSOCIATED WITH CRYOLIPOLYSIS</p> <p><i>Jeffrey Dover¹, Nazanin Saedi, Michael Kaminer¹, Christopher Zachary²</i>, SkinCare Physicians, Chestnut Hill, MA, University of California, Irvine, CA</p> <p>¹<i>Travel expenses, research grant, honoraria, serves on scientific advisory board for Zeltiq</i>
²<i>Travel expenses and honoraria from Zeltiq</i></p> |
| 5:22 pm - 5:27 pm
(ePoster available) | 70 | <p>COMPARISON OF LASER-ASSISTED LIPOLYSIS AND LIPOSUCTION: HISTOLOGY AND SPLIT-BODY CLINICAL RESULTS</p> <p><i>Robert Weiss¹, Jeffrey Angobaldo², Sean Doherty³, Brooke Seckel¹</i>, Maryland Laser, Skin and Vein Institute, Baltimore, MD, Renaissance Plastic Surgery, Plano, TX, Boston Plastic Surgery Associates, Concord, MA</p> <p>¹<i>Equipment and research grant from Palomar</i>
²<i>Equipment from Palomar</i>
³<i>Salary from Palomar</i></p> |

5:28 pm - 5:33 pm	71	<p>A 24-WEEK CONTROLLED TRIAL TO ASSESS THE EFFECTS OF AN INTENSE ULTRASOUND TREATMENT ON LOWER FACE SKIN LAXITY USING A NOVEL 3-D SELF-POSITIONING LASER SCANNER</p> <p><i>Daniel Barolet¹, Mathieu Auclair², Francois Barolet², Virginie C. Barolet², Isabelle Lussier³, McGill University, RoseLab Skin Optics Research Laboratory, Montreal, Canada</i></p> <p>¹Equipment from Northern Optotronics 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</p>
5:34 pm - 5:39 pm	72	<p>A NOVEL METHOD FOR OBJECTIVELY ASSESSING LIPOSUCTION OUTCOMES: 3-DIMENSIONAL SURFACE IMAGING</p> <p><i>Elliot Weiss, Lori Brightman, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY</i></p> <p>•Content discusses non-FDA approved device or off-label use</p>
5:40 pm - 5:45 pm	73	<p>HIGH-INTENSITY FOCUSED ULTRASOUND DEVICE FOR NON-INVASIVE BODY CONTOURING: AGREEMENT OF OBJECTIVE AND SUBJECTIVE AESTHETIC OUTCOMES</p> <p><i>Jeffrey Dover¹, Patrick Martin², Ira Lawrence², The Sculpt Group, Skin Care Physicians, Chestnut Hill, MA, Medicis Technologies Corporation, Scottsdale, AZ</i></p> <p>¹Consulting fees from Iridex, Lumenis, Medicis, Shaser, Solta, Zeltiq; stockholder with CVS/Skin Effects and Shaser; research grant from Allergan, Cynosure, Lumenis, Medicis, Merz Pharma, OpusMed, Palomar, Shaser, Solta, and Syneron ²Salary from Medicis •Content discusses non-FDA approved device or off-label use</p>
<u>LATE-BREAKING ABSTRACT</u>		
5:46 pm - 5:51 pm		<p>EFFICACY OF A NOVEL BI-DIRECTIONAL SIDELIGHT OPTICAL FIBER AND 1440nm Nd:YAG LASER IN THE TREATMENT OF CELLULITE AS MEASURED BY 3-DIMENSIONAL SURFACE IMAGING</p> <p><i>Bruce Katz, Juva Skin & Laser Center, New York, NY</i></p>
5:52 pm - 6:10 pm		Q&A