



# Cutaneous Laser Surgery Session Sunday, April 18, 2010

2010 Annual Conference  
Pre-Conference Courses: April 14-15, 2010  
Annual Conference: April 16-18, 2010  
Phoenix Convention Center, Phoenix, AZ

Cutaneous Laser Surgery - North Hall C

8:00 am - 12:30 pm

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

### Educational Needs

This session examines the treatment of actinic keratoses, basal cell carcinomas, tattoos, vascular lesions, hair, scars, pigmentation, and vitiligo. It focuses on novel laser and light treatments of actinic keratoses and basal cell carcinomas, picosecond laser treatment of tattoos, new generation pulsed dye lasers and intense pulsed light sources for treatment of vascular lesions and the evolving role of photodynamic therapy for port wine stains. This session also discusses new advances in laser hair removal, treatment of acne and surgical scars, as well as new technologies to treat pigmented lesions and vitiligo. 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 laser and light treatments and their clinical applications for the treatment of skin pre-cancers and cancers, vascular lesions, tattoos, scars, hair, pigmented lesions, and vitiligo.

### Hot Topics

- Laser treatment of Actinic Keratoses and Basal Cell Carcinomas
- Picosecond Laser Treatment of Tattoos
- Photodynamic Therapy of Port Wine Stains
- Laser and Light Treatment of Vitiligo

8:00 am - 8:01 am

Introduction

### ACTINIC KERATOSIS AND BASAL CELL CARCINOMAS

8:02 am - 8:07 am

108

A RANDOMIZED CONTROLLED PAIRED COMPARISON OF PHOTODYNAMIC THERAPY WITH TOPICAL TAZAROTENE 0.1% CREAM PRE-TREATMENT vs PDT ALONE FOR ACTINIC KERATOSES ON AREAS OTHER THAN THE FACE AND SCALP

(ePoster Available)

Murad Alam, Jennee Rommel, Douglas Fife, Natalie Kim, Ashley Keyes, Simon Yoo, Misbah Khan, Alfred Rademaker, Northwestern University, Chicago, IL

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

- |   |  |  |
|---|--|--|
| 8:08 am - 8:13 am                               | 109  | <p><b>FINALLY! A WELL-TOLERATED AND EFFECTIVE TREATMENT FOR ACTINIC KERATOSES ON THE FACE</b></p> <p><i>Roy Geronemus<sup>1</sup>, Elliot Weiss, Anne Chapas<sup>2</sup>, Sheetal Desai, Lori Brightman, Elizabeth Hale, Julie Karen, Leonard Bernstein, Laser &amp; Skin Surgery Center of New York, New York, NY</i></p> <p><sup>1</sup>Stockholder with Solta<br/><sup>2</sup>Consulting fees from Solta</p> <p>•Content discusses non-FDA approved device or off-label use</p> |
| 8:14 am - 8:19 am<br><i>(ePoster Available)</i> | 110  | <p><b>MAL-PDT FOR PATIENTS WITH NEVOID BASAL CELL CARCINOMA SYNDROME</b></p> <p><i>Emily P. Tierney, Kavitha K. Reddy, C. William Hanke, Laser &amp; Skin Surgery Center of Indiana, Carmel, IN, Boston University, Boston, MA</i></p> <p>•Content discusses non-FDA approved device or off-label use</p>  |
| 8:20 am - 8:25 am                               | 111  | <p><b>RESPONSE AND ONE YEAR FOLLOW-UP OF BASAL CELL CARCINOMAS TREATED WITH PULSED DYE LASER</b></p> <p><i>Nellie Konnikov, Abel Jarell, Zeina Tannous, Veterans Affairs Boston Healthcare System, Massachusetts General Hospital, Harvard Medical School, Boston, MA, University of California, San Francisco, CA</i></p> <p>•Content discusses non-FDA approved device or off-label use</p>  |
| 8:26 am - 8:31 am                               | <p><b>Q&amp;A</b></p> <p><b><u>TATTOOS</u></b></p> |  |
| 8:32 am - 8:37 am<br><i>(ePoster Available)</i> | 112  | <p><b>TREATMENT OF CARBON TATTOOS IN A PORCINE MODEL WITH A NOVEL 758nm, 500 PICOSECOND LASER</b></p> <p><i>Leonid Izikson<sup>1</sup> →♣, William Farinelli<sup>1</sup>, Zeina Tannous, Fernanda Sakamoto, R. Rox Anderson<sup>1</sup>, Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA</i></p> <p><sup>1</sup>Equipment from Cynosure</p>   |
| 8:38 am - 8:43 am                               | 113  | <p><b>ABLATIVE FRACTIONAL RESURFACING PLUS Q-SWITCHED LASER THERAPY FOR THE TREATMENT OF UNWANTED TATTOOS</b></p> <p><i>Elliot Weiss, Roy Geronemus<sup>1</sup>, Laser &amp; Skin Surgery Center of New York, New York, NY</i></p> <p><sup>1</sup>Stockholder with Solta</p> <p>•Content discusses non-FDA approved device or off-label use</p>  |
| 8:44 am - 8:49 am                               | 114  | <p><b>THE USE OF LONG PULSED ALEXANDRITE LASER IN TATTOO REMOVAL</b></p> <p><i>Rao Saladi, Joshua Fox, Caroline Fisse, New Age Skin Research Foundation, Advanced Dermatology PC, Fresh Meadows, NY</i></p>  |
| 8:50 am - 8:55 am<br><i>(ePoster Available)</i> | 115  | <p><b>PATIENT COMPLIANCE AS A MAJOR DETERMINANT OF LASER TATTOO REMOVAL SUCCESS RATES: A 10-YEAR RETROSPECTIVE ANALYSIS</b></p> <p><i>Alia Brown, Tiffany Jow, Mussarrat Hussain, David Goldberg, Skin Laser &amp; Surgery Specialists of NY/NJ, Hillsborough, NJ</i></p>  |
| 8:56 am - 9:01 am                               | <p><b>Q&amp;A</b></p>                              |  |

→Recipient of ASLMS travel grant.

♣Best Student/Resident Cutaneous Laser Surgery Award Recipient.

## VASCULAR LESIONS

- |   |     |   |
|---|-----|---|
| 9:02 am - 9:07 am                               | 116 | <p><b>TOLERANCE OF THE NEW GENERATION PULSED DYE LASERS ON CHILDREN TREATED FOR PORT WINE STAINS (334 CASES)</b></p> <p><i>Jean-Michel Mazer, Virginie Fayard, Valerie Arigon, Center Laser International de la Peau, Centre Laser Treviso, Paris, France</i></p>   |
| 9:08 am - 9:13 am<br><i>(ePoster Available)</i> | 117 | <p><b>SCARS AFTER LASER ALEXANDRITE TREATMENT IN PORT WINE STAINS RESISTANTS</b></p> <p><i>Kamel Messaoud Nacer, Center Laser Surgery, Oran, Algeria</i></p> <p>• Content discusses non-FDA approved device or off-label use</p>  |
| 9:14 am - 9:19 am                               | 118 | <p><b>NEXT-GENERATION IPL OPTIMIZED FOR TREATMENT OF VASCULAR LESIONS</b></p> <p><i>E. Victor Ross, Mikhail Smirnov, Ilya Yaroslavsky, Gregory Altshuler, James Childs, Igor Perchuk, Scripps Clinic, San Diego, CA, Palomar, Burlington, MA</i></p>  |
| 9:20 am - 9:25 am                               | 119 | <p><b>HYPERTROPHY IN PORT WINE STAINS: A RETROSPECTIVE DATABASE STUDY</b></p> <p><i>Anne Margreet van Drooge, Albert Wolkerstorfer, Wietze van der Veen, Ludmilla Nieuweboer-Krobotová, Jan Bos, Johan Beek, Netherlands Institute for Pigment Disorders (SNIP), Academic Medical Center, University of Amsterdam, The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands</i></p> |
| 9:26 am - 9:31 am                               | 121 | <p><b>SECOND STAGE CLINICAL STUDY ON NEW PHOTSENSITIZER HEMOPORFIN MEDIATED KTP 532nm PDT FOR 24 CHINESE PORT WINE STAINS VOLUNTEERS</b></p> <p><i>Guoyu Zhou, Linyue Shen, Pinpin Li, Qing Xu, Shanghai, China</i></p>   |
| 9:32 am - 9:43 am                               |     | Q&A   |

## LATE-BREAKING ABSTRACT

- |   |     |  |
|---|-----|--|
| 9:44 am - 9:48 am                               | 208 | <p><b>755nm ALEXANDRITE LASER FOR THE REDUCTION OF TUMOR BURDEN IN BASAL CELL NEVUS SYNDROME</b></p> <p><i>Omar Ibrahimid, Zeina Tannous, Fernanda Sakamoto, R. Rox Anderson, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA</i></p> <p>• Content discusses non-FDA approved device or off-label use</p> |
| 9:49 am - 9:53 am<br><i>(ePoster Available)</i> | 122 | <p><b>TREATMENT OF FOCAL AXILLARY HYPERHIDROSIS USING A LONG PULSED Nd:YAG 1064nm LASER AT HAIR REDUCTION SETTINGS</b></p> <p><i>Philip Letada<sup>1</sup>, Peter Shumaker<sup>1</sup>, Nathan Uebelhoer<sup>1</sup>, John Landers<sup>1</sup>, Naval Medical Center, San Diego, CA</i></p> <p><sup>1</sup>Equipment and travel expenses from Candela</p>      |

◆Recipient of U.S. Air Force Office of Scientific Research travel grant.

9:54 am - 9:58 am      123      HISTOLOGIC EVALUATION OF 1450nm DIODE LASER WITH PNEUMATIC SKIN FLATTENING  
*Jennifer Landau, Irene Vergilis, Leonard Goldberg, Denise Marquez, Arash Kimyai-Asadi, Paul Friedman, DermSurgery Associates, Houston, TX*  
•Content discusses non-FDA approved device or off-label use

9:59 am - 10:00 am      Q&A

10:01 am - 10:29 am      BREAK

### HAIR

10:30 am - 10:35 am      124      LOW FLUENCE MULTIPLE PASS vs HIGH FLUENCE SINGLE PASS DIODE LASER HAIR REMOVAL - TWO YEARS POST TREATMENT  
*(ePoster Available)*  
*Martin Braun<sup>1</sup>, Vancouver Laser & Skin Care Centre, Vancouver, Canada*  
<sup>1</sup>Equipment discount from Alma and Lumenis; research grant from Alma

10:36 am - 10:41 am      125      SIDE-BY-SIDE COMPARISON OF HIGH-FLUENCE AND LOW-FLUENCE DIODE LASER IN AXILLARY HAIR REMOVAL  
*Shlomit Halachmi, Moshe Lapidot<sup>1</sup>, Rabin Medical Center, Petach Tikva, Israel*  
<sup>1</sup>Equipment from Lumenis

10:42 am - 10:47 am      126      FINE CALIBER HAIR REMOVAL WITH AN ELECTRO-OPTIC Q-SWITCHED Nd:YAG LASER  
*Abnoeal D. Bakus<sup>1</sup>, Jerome M. Garder<sup>2</sup>, Dina Yaghmai<sup>1</sup>, Mary Massa, Northwestern University, Rush University Medical School, Chicago, IL*  
<sup>1</sup>Research grant from HOYA ConBio  
<sup>2</sup>Equipment from HOYA ConBio

10:48 am - 10:53 am      127      A PROSPECTIVE PILOT STUDY OF THE PULSED-DYE LASER (595nm) FOR THE REMOVAL OF RED HAIR  
*Daniel Wasserman<sup>1</sup>, Jennifer Lin<sup>2</sup>, Mathew M. Avram<sup>2</sup>, R. Rox Anderson<sup>2</sup>, Wellman Center for Photomedicine, Boston, MA*  
<sup>1</sup>Financial grant from ASDS; equipment from Candela  
<sup>2</sup>Equipment from Candela  
•Content discusses non-FDA approved device or off-label use

10:54 am - 10:59 am      Q&A

### SCARS

11:00 am - 11:05 am      128      THE USE OF NON-ABLATIVE FRACTIONAL RESURFACING IN ASIAN ACNE SCAR PATIENTS  
*Nicola P.Y. Chan, Stephanie G.Y. Ho, C.K. Yeung, Samantha Y. Shek, T. Kono, Henry H.L. Chan<sup>1</sup>, University of Hong Kong, Hong Kong SAR, China, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA, Tokyo Women's Medical University, Tokyo, Japan*  
<sup>1</sup>Stockholder with Solta

# Cutaneous Laser Surgery Session

Sunday, April 18, 2010

2010 Annual Conference  
Pre-Conference Courses: April 14-15, 2010  
Annual Conference: April 16-18, 2010  
Phoenix Convention Center, Phoenix, AZ

- 11:06 am - 11:11 am      129      **CO<sub>2</sub> FRACTIONAL LASER (LINE-XEL) RESURFACING FOR FACIAL SCARS IN KOREANS**  
*EunSoo Park, YooJin Moon, YongBae Kim, Soonchunhyang University Hospital, Bucheon, South Korea*  
•Content discusses non-FDA approved device or off-label use
- 11:12 am - 11:17 am      130      **COMPARISON STUDY OF FRACTIONAL CO<sub>2</sub> vs Er:YSGG RESURFACING FOR ACNE SCARS IN ASIANS**  
*Taro Kono<sup>1</sup>, William Groff<sup>2</sup>, Henry Chan<sup>3</sup>, 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*  
<sup>1</sup>Discount and honoraria from Candela and Solta, travel expense from Ulthera  
<sup>2</sup>Honoraria from Solta  
<sup>3</sup>Stockholder with Solta
- 11:18 am - 11:23 am      131      **SURGICAL SCAR REMODELING AFTER AMINOLEVULINIC PHOTODYNAMIC THERAPY: A RETROSPECTIVE, BLINDED STUDY OF PATIENTS WITH FIELD CANCERIZATION**  
*Fernanda H. Sakamoto, Leonid Izikson, 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
- 11:24 am - 11:29 am      **Q&A**
- PIGMENTATION AND VITILIGO**
- 11:30 am - 11:35 am      132      **PULSED DYE LASER TREATMENT OF PIGMENTED LESIONS: COMPARISON OF A NEW 607nm LASER TO THE 595nm LASER**  
*Peggy Chern<sup>1</sup>, Yacov Domankevitz<sup>2</sup>, E. Victor Ross<sup>3</sup>, Scripps Clinic, San Diego, CA, Candela, Wayland, MA*  
<sup>1</sup>Equipment from Candela  
<sup>2</sup>Salary from Candela  
<sup>3</sup>Financial grant, equipment, research grant, and honoraria from Candela  
•Content discusses non-FDA approved device or off-label use
- 11:36 am - 11:41 am      133      **NON-ABLATIVE FRACTIONAL LASER THERAPY vs TRIPLE TOPICAL THERAPY FOR THE TREATMENT OF MELASMA: A SPLIT FACE STUDY**  
*Bas Wind<sup>→</sup>, Marije Kroon, Arne Meesters, Albert Wolkerstorfer, Wietze Van der Veen, Ludmila Nieuweboer-Krobotová, Jan Bos, Johan Beek, Netherlands Institute for Pigment Disorders (SNIP), Academic Medical Center, University of Amsterdam, The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands*
- 11:42 am - 11:47 am      134      **LASER TREATMENT OF PIGMENTED LESIONS WITH A 605nm LASER**  
*Eric Bernstein<sup>1</sup> Jay Bhawalkar, Joan Clifford, James Hsia, University of Pennsylvania, Ardmore, PA, Candela, Wayland, MA*  
<sup>1</sup>Equipment from Candela

→Recipient of ASLMS travel grant.

# Cutaneous Laser Surgery Session Sunday, April 18, 2010

2010 Annual Conference  
Pre-Conference Courses: April 14-15, 2010  
Annual Conference: April 16-18, 2010  
Phoenix Convention Center, Phoenix, AZ

- |                     |     |  |
|---------------------|-----|--|
| 11:48 am - 11:53 am | 135 | <p><b>FACIAL DEPIGMENTATION ASSOCIATED WITH LOW FLUENCE Q-SWITCHED 1064nm Nd:YAG LASER FOR SKIN REJUVENATION AND MELASMA</b></p> <p><i>Nicola P.Y. Chan, Stephanie G.Y. Ho, C.K. Yeung, Samantha Y. Shek, Henry H.L. Chan, University of Hong Kong, Hong Kong SAR, China</i></p>   |
| 11:54 am - 11:59 am |     | <p><b>Q&amp;A</b></p>  |
| 12:00 pm - 12:05 pm | 136 | <p><b>A RETROSPECTIVE COMPARATIVE ANALYSIS OF THE MANAGEMENT OF FRECKLES AND LENTIGINES USING 595nm LONG PULSED DYE LASER, 755nm LONG PULSED ALEXANDRITE LASER, 532nm Q-SWITCHED Nd:YAG LASER AND 532nm LONG-PULSED Nd:YAG LASER IN ORIENTAL PATIENTS</b></p> <p><i>Stephanie G.Y. Ho, Nicola P.Y. Chan, C.K. Yeung, Samantha Y. Shek, Taro Kono, Henry H.L. Chan, University of Hong Kong, Hong Kong SAR, China, Tokyo Women's Medical University, Tokyo, Japan</i></p>   |
| 12:06 pm - 12:11 pm | 138 | <p><b>308nm EXCIMER LAMP vs 308nm EXCIMER LASER: A PROSPECTIVE COMPARATIVE STUDY IN THE TREATMENT OF VITILIGO</b></p> <p><i>(ePoster Available)</i></p> <p><i>Florence Le Duff<sup>1</sup>, Eric Fontas, Damien Giacchero, Laura Sillard, Jean-Philippe Lacour, Jean-Paul Ortonne, <u>Thierry Passeron</u>, University Hospital of Nice, Nice, France</i></p> <p><sup>1</sup><i>Research grant from Quantel</i></p>  |
| 12:12 pm - 12:17 pm | 139 | <p><b>EFFECT OF IRRADIATION WITH UVA, 311nm UVB, OR 632.8nm HeNe LASER ON SPREAD OF PIGMENT AFTER MINIGRAFTING IN VITILIGO</b></p> <p><i>(ePoster Available)</i></p> <p><i>Bas Wind, Marije Kroon, Arne Meesters, Johan Beek, Wietze van der Veen, Ludmila Nieuweboer-Krobotova, Jan Bos, Albert Wolkerstorfer, Netherlands Institute for Pigment Disorders (SNIP), Academic Medical Center, University of Amsterdam, The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands</i></p> |
| 12:18 pm - 12:30 pm |     | <p><b>Q&amp;A</b></p>  |