

Surgical Applications - West 211A&B

1:00 pm - 6:00 pm

Directors: *Raymond J. Lanza fame, M.D., M.B.A, Inder Perakash, M.D.*

Disclosures

Raymond J. Lanza fame, M.D., M.B.A. received equipment from Conversion Energy Enterprises and PathoLase; consulting fees from Leerink Swan, Lasercure, PhotoThera, and Vista Research; travel expenses from SLS Board of Directors for SLS meetings; stockholder with Eastman Chemical, JMAR, and Kodak; research grant from NIH 1 R43 GM087753-01, and PathoLase; honoraria from ASLMS, SLS, American Society of Photobiology, Vermont Managed Care; stockholder with Conversion Energy Enterprises; CME Director for ASLMS and SLS
Inder Perakash, M.D. - no disclosure

Educational Needs

This section will present and discuss topical surgical applications in a variety of disciplines including ophthalmology, otolaryngology, neurosurgery, plastic surgery, urology, vascular surgery and imaging. These combined disciplines will report relevant clinical and laboratory investigations in a diverse cross section of biomedicine. It is expected that interdisciplinary interaction and dialogue regarding laser tissue interaction, clinical and basic research results will provide new insights and meet the educational need of participants attending these sessions.

Participants

Any scientist, student, engineer, medical practitioner, and personnel involved in other aspects of health care, and/or industries, as well as all with an interest in these topical areas are invited to attend.

Background Requirements

Individuals who participate in the sessions should have a basic interest in laser medicine and surgery and the potential applications of these technologies. Although it is not a prerequisite, attendees would ideally have some basic understanding of laser tissue interactions. Individual attendees do not need to have significant experience or expertise in laser medicine or surgery.

Instructional Content and/or Expected Learning Outcomes

These sessions will provide cutting-edge information on surgical applications in a diverse array of disciplines. Participants will sample a menu of scientific presentations and have the opportunity to discuss findings with the presenter, colleagues, and peers. Participants are expected to increase their knowledge regarding basic science and clinical applications of laser technologies. It is hoped that dialogue and didactic material will enable the participants to formulate new ideas and apply new techniques and principles to solve clinical and basic science problems.

Hot Topics

- Semiautomated Intraocular Laser Surgery Using Handheld Instruments
- Circumferential Vaporization of Posterior and Anterior Urethral Strictures: Long Term Results
- Incidence, Management, and Prevention of Perioperative and Delayed Adverse Events of GreenLight HSP Laser Photoselective Vaporization Prostatectomy
- Femtosecond Laser Ablation as a Subsurface Light Scalpel to Alter Seizure Propagation Dynamics
- Clinical Ultrafast Laser Microsurgery for the Treatment of Vocal Fold Scarring
- Biodegradable Polymer Scaffold, Semisolid Solder, and Single Spot Lasing to Increase Solder-Tissue Bond in Suture-Free Laser-Assisted Vascular Repair of Medium-Sized Vessel
- Augmented Microscopy - Simultaneous Acquisition of Bright Field and Luminescence Lifetime Images

OPHTHALMOLOGY

2007 & 2008 RESEARCH GRANT RECIPIENT

1:00 pm - 1:14 pm
(ePoster Available)

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SEMI-AUTOMATED INTRAOCULAR LASER SURGERY USING HANDHELD INSTRUMENTS

Brian Becker, Robert MacLachlan, Louis Lobes, Cameron Riviere, Carnegie Mellon University, University of Pittsburgh, Pittsburgh, PA

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

- 1:15 pm - 1:29 pm 193 REGRESSION OF RECALCITRANT PERIPAPILLARY CHOROIDAL NEOVASCULARIZATION AFTER ICG ASSISTED OSCILLATING TRANSPUPILLARY THERMOTHERAPY AND ANTI-VEGFS
(ePoster Available)
Gholam Peyman, Michael Tsiprusky, Parin Gohel, Mandi Conway, University of Arizona, Phoenix, AZ
• Content discusses non-FDA approved device or off-label use
- LIPOSCULPTURE/LIPOLYSIS
- 1:30 pm - 1:44 pm 194 LASER-ASSISTED LIPOABDOMINOPLASTY USING A DUAL WAVELENGTH MULTIPLEXED Nd:YAG LASER
Robert Gotkin¹, Alberto Goldmar², Cosmetique Dermatology, Laser & Plastic Surgery, LLP, Greenvale, NY, Clinica Goldman of Plastic Surgery, Porto, Alegre, Brazil
¹Reimbursement for costs associated with surgery and discount from Cynosure
²Travel expenses from Cynosure
- 1:45 pm - 1:59 pm 195 LASER-ASSISTED HIGH DEFINITION LIPOSCULPTURE
John Millard¹, Millard Plastic Surgery Center, Lone Tree, CO
¹Equipment from Cynosure and Smartlipo MPX
- 2:00 pm - 2:14 pm 196 ADVANTAGES OF REAL-TIME MAGNETIC TRACKING OF THE CANNULA FOR CONTROLLED LASER ASSISTED LIPOLYSIS
Neil Sadick, Philippe Rochon, Serge Mordon, Cornell Medical, New York, NY, Lille University, Lille, France
- 2:15 pm - 2:29 pm 197 EVALUATION OF LASER-ASSISTED LIPOLYSIS COMPARING A 1320, 1370 AND 1440nm LASER
Bo Chen¹, Barry DiBernardo², Jennifer Reyes³, Mirko Mirkov¹, Ray Sierra¹, Cynosure, Westford, MA, New Jersey Plastic Surgery, Montclair, NJ
¹Travel expenses and salary from Cynosure
²Discount and research grant from Cynosure
³Research grant from Cynosure
- 2:30 pm - 2:44 pm 198 LASER-ASSISTED LIPOLYSIS: HISTOLOGY EVALUATION OF LASER TUNNELS FORMED BY A HOT TIP AND BY AN OPTICAL TIP EMITTING LIPID - AND WATER-SELECTIVE WAVELENGTHS
A. Jay Burns, John Burns, Sean Doherty¹, Brooke Secke², James Childs³, David Tabatadze¹, Andrei Erofeev¹, Gregory Altshuler³, Palomar, Burlington, MA, Boston Plastic Surgery Associates, Concord, MA, Dallas Plastic Surgery Institute, Dallas, TX
¹Salary from Palomar
²Equipment, consulting fees, travel expenses, and research grant from Palomar
³Travel expenses and salary from Palomar
- 2:45 pm - 3:44 pm BREAK - VISIT THE EXHIBITS AND VIEW ePOSTERS

UROLOGIC APPLICATIONS

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| 3:45 pm – 3:59 pm | 199 | <p>TITAN LABIALPLASTY: INITIAL RESULTS AND FOLLOW-UP
<i>Stanley Swierzewski, Kelly-Ivy Subocz, Leeza Swierzewski, Dermique, Holyoke, MA</i></p> <p>• Content discusses non-FDA approved device or off-label use</p> |
| 4:00 pm – 4:14 pm
(ePoster Available) | 200 | <p>LAPAROSCOPIC PARTIAL NEPHRECTOMY WITH A 980nm DIODE LASER: FEASIBILITY IN A PORCINE MODEL
<i>Pierre Nevoux, Pierre Colin, Bertrand Leroux, Philippe Puech, Arnauld Villers, Serge Mordon, Nacim Betrouni, CHRU Lille and Inserm, U703, Université Lille Nord de France, Lille, France</i></p> <p>• Content discusses non-FDA approved device or off-label use</p> |
| 4:15 pm – 4:29 pm
(ePoster Available) | 201 | <p>FOCALIZED LASER INTERSTITIAL THERMOTHERAPY AT 980nm FOR PROSTATE CANCER: TREATMENT FEASIBILITY IN DUNNING R3327 AT-2 RAT PROSTATE TUMOR
<i>Pierre Colin¹→, Nacim Betrouni, Marie Labourre, Antoine Jallageas, Florent Auger, Arnauld Villers, Philippe Puech, Serge Mordon, Inserm, U703, Université Lille Nord de France, CHRU Lille, Lille, France</i></p> <p>¹Research grant from ASLMS, INCa, AFU</p> <p>• Content discusses non-FDA approved device or off-label use</p> |
| 4:30 pm – 4:44 pm
(ePoster Available) | 202 | <p>NOVEL TREATMENT STRATEGY FOR REFRACTORY HEMORRHAGIC CYSTITIS FOLLOWING RADIATION TREATMENT OF GENITOURINARY CANCER: USE OF 980nm DIODE LASER
<i>Dharam Kaushik→, Benjamin Tepley, Caleb Stepan, George Hemstreet, University of Nebraska Medical Center, Omaha, NE</i></p> <p>• Content discusses non-FDA approved device or off-label use</p> |
| 4:45 pm – 4:59 pm
(ePoster Available) | 203 | <p>CIRCUMFERENTIAL VAPORIZATION OF POSTERIOR AND ANTERIOR URETHRAL STRICTURES: LONG TERM RESULTS
<i>Inder Perakash, VA Palo Alto, Stanford, Palo Alto, CA</i></p> <p>• Content discusses non-FDA approved device or off-label use</p> |
| 5:00 pm – 5:14 pm
(ePoster Available) | 204 | <p>HOW PROSTATE CONFIGURATION AFFECTS THE EFFICACY AND SAFETY OF GREENLIGHT HPS™ LASER PHOTOSELECTIVE VAPORIZATION PROSTATECTOMY
<i>Xiao Gu, Kurt Strom, Massimiliano Spaliviero, Carson Wong¹, Oklahoma Health Sciences Center, Oklahoma City, OK</i></p> <p>¹Consulting fees from American Medical Systems</p> |
| 5:15 pm – 5:29 pm
(ePoster Available) | 205 | <p>INCIDENCE, MANAGEMENT AND PREVENTION OF PERI-OPERATIVE AND DELAYED ADVERSE EVENTS OF GREENLIGHT HPS™ LASER PHOTOSELECTIVE VAPORIZATION PROSTATECTOMY
<i>Kurt Strom, Xiao Gu, Massimiliano Spaliviero, Carson Wong¹, University of Oklahoma Health Sciences Center, Oklahoma City, OK</i></p> <p>¹Consulting fees from American Medical Systems</p> |

→Recipient of ASLMS travel grant.



Surgical Session

Friday, April 16, 2010

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

- 5:30 pm - 5:44 pm
(ePoster Available)
- 206 IS GREENLIGHT HPS™ LASER PHOTOSELECTIVE VAPORIZATION PROSTATECTOMY SAFE AND EFFECTIVE AFTER FAILED PRIOR SURGICAL TREATMENT OF BENIGN PROSTATIC HYPERPLASIA?
Kurt Strom, Xiao Gu, Massimiliano Spaliviero, Carson Wong¹, University of Oklahoma Health Sciences Center, Oklahoma City, OK
¹*Consulting fees from American Medical Systems*
- 5:45 pm - 6:00 pm
(ePoster Available)
- 207 SYMPTOMATIC BENIGN PROSTATIC HYPERPLASIA: INTERMEDIATE OUTCOMES OF GREENLIGHT HPS™ LASER PHOTOSELECTIVE VAPORIZATION PROSTATECTOMY
Kurt Strom, Xiao Gu, Massimiliano Spaliviero, Carson Wong¹, Oklahoma Health Sciences Center, Oklahoma City, OK
¹*Consulting fees from American Medical Systems*