

Surgical Applications and Interstitial Laser Therapy - Texas 2-3

1:00 pm - 6:00 pm

Directors: *Raymond J. Lanza fame, M.D., M.B.A., Roger J. McNichols, Ph.D., Karl-G. Tranberg, M.D., Ph.D., Carson Wong, M.D., F.R.C.S.C., F.A.C.S.*

Disclosures

Raymond J. Lanza fame received consulting fees from Deutsche Bank, Gerson Lehman, GLG Councils, ATRMUS, and medical device start ups on a contract/fee for service basis. Also note that I am an SGE appointee to FDA CDRH ODE General and Plastic Surgery Devices and other medical advisory panels
Roger McNichols received travel expenses from Bio Tex, Inc.; salary, stockholder, equity position, and intellectual property rights with Bio Tex, Inc. and Visualase, Inc.
Karl-G. Tranberg received travel expenses, consulting fees, stockholder, equity position, and intellectual property rights with Clinical Laserthermia Systems AB
Carson Wong received consulting fees from American Medical Systems, Inc.

Educational Needs

This session will present and discuss topical surgical applications in a variety of disciplines including general surgery, ophthalmology, plastic surgery, urology, vascular surgery and surgical research. 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 and interstitial laser therapy. Participants will sample a menu of scientific presentations and have the opportunity to discuss findings with presenters, colleagues, and peers. Participants are expected to increase their knowledge regarding basic science and clinical applications. Various ablation or tissue destruction methods including lasers and ILT will be presented, with reference to clinical practice and current applications. After engaging in this educational activity participants will be able to describe current clinical techniques for focal/local tumor control or lesion production and other applications. 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 relevant to their scope of practice.

"Hot Topics"

- Use of gold-based nanoparticles to direct laser interstitial photothermal cancer therapy
- MR-guided laser ablation of liver and kidney tumors
- Laser interstitial thermotherapy and focal laser ablation for prostate cancer
- Treatment planning optimization of photodynamic therapy of prostate cancer
- Greenlight laser photoselective vaporization prostatectomy for symptomatic benign prostatic hyperplasia
- Photochemical tissue bonding: A potential strategy for treating limbal stem cell deficiency
- Surface temperature distributions in rabbit auricular cartilage following laser cartilage reshaping with carbon dioxide spray cooling
- Laser assisted facial rhytidectomy and facial rejuvenation
- Treatment of cellulite using a 1440nm pulsed laser
- High definition body contouring using laser assisted liposculpture

GENERAL APPLICATIONS OF ILT

- | | | |
|-------------------|-----|--|
| 1:00 pm - 1:09 pm | 181 | <p>USE OF GOLD-BASED NANOPARTICLES TO DIRECT LASER INTERSTITIAL PHOTOTHERMAL CANCER THERAPY</p> <p><i>Jon Schwartz¹, Glenn Goodrich², Kelly Gill-Sharp², J. Donald Payne³, Nanospectra Biosciences, Inc., Houston, TX</i></p> <p>¹Equipment, travel expenses, salary, stockholder, and intellectual property rights with Nanospectra
²Equipment, salary, stockholder, and intellectual property rights with Nanospectra
³Equipment, stockholder, equity position and intellectual property rights with Nanospectra
•Content discusses non-FDA approved device or off-label use</p> |
| 1:10 pm - 1:14 pm | | Discussion |
| 1:15 pm - 1:24 pm | 182 | <p>MR-GUIDED LASER ABLATION OF LIVER AND KIDNEY TUMORS</p> <p><i>Ashok Gowda¹, Eric Walser, Visualase, Inc., Houston, TX, Mayo Clinic, Jacksonville, FL</i></p> <p>¹Travel expenses, salary, stockholder, and equity position with Visualase</p> |
| 1:25 pm - 1:29 pm | | Discussion |

PROSTATE APPLICATIONS OF ILT

2009 ASLMS STUDENT RESEARCH GRANT RECIPIENT

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| 1:30 pm - 1:39 pm | 183 | <p>LASER INTERSTITIAL THERMOTHERAPY FOR PROSTATE CANCER: ANIMAL MODEL AND NUMERICAL SIMULATION OF TEMPERATURE AND DAMAGE DISTRIBUTION</p> <p><i>Mohamad-Feras Marqa♦, Pierre Colin, Pierre Nevoux, 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> |
| 1:40 pm - 1:44 pm | | Discussion |
| 1:45 pm - 1:54 pm | 184 | <p>A PHANTOM FOR INTERSTITIAL LASER THERMOTHERAPY OF PROSTATE CANCER TRAINING</p> <p><i>Pierre Nevoux, Pierre Colin, Serge Mordon, Bertrand Leroux, Nasr Makni, Mohamad Feras Marqa, Philippe Puech, Arnaud Villers, 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> |
| 1:55 pm - 1:59 pm | | Discussion |
| 2:00 pm - 2:09 pm | 185 | <p>MINIMALLY INVASIVE FOCAL LASER ABLATION FOR PROSTATE TUMORS</p> <p><i>Anil Shetty¹, Ashok Gowda², Roger McNichols², Visualase, Inc., Houston, TX</i></p> <p>¹Travel expenses and salary from Visualase
²Travel expenses, salary, stockholder, equity position, and intellectual property rights with Visualase</p> |
| 2:10 pm - 2:14 pm | | Discussion |
| 2:15 pm - 2:24 pm | 186 | <p>COMPARISON OF TISSUE EFFECTS AFTER PAL, WAL, SAL, UAL AND LAL</p> <p><i>Afschin Fatemi, S-thetic Clinic, Duesseldorf, Germany</i></p> <p>•Content discusses non-FDA approved device or off-label use</p> |
| 2:25 pm - 2:29 pm | | Discussion |
- ♦Recipient of U.S. Air Force Office of Scientific Research travel grant.

2:30 pm - 2:39 pm	187	<p>TREATMENT PLANNING OPTIMIZATION OF PHOTODYNAMIC THERAPY OF PROSTATE CANCER USING WST11-TOOKAD SOLUBLE</p> <p><i>Nacim Betrouni, Renaud Lopes, Marqa Mohamad-Feras, Pierre Colin, Pierre Nevoux, Serge Mordon, CHRU Lille and Inserm, U703, Université Lille Nord de France, Lille, France</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
2:40 pm - 2:44 pm		Discussion
2:45 pm - 3:44 pm		Break - Visit the Exhibits and ePosters

UROLOGIC SURGERY

3:45 pm - 3:54 pm	188	<p>THE 180W GREENLIGHT XPS - LASER PHOTOSELECTIVE VAPORIZATION PROSTATECTOMY FOR SYMPTOMATIC BENIGN PROSTATIC HYPERPLASIA: PRELIMINARY RESULTS</p> <p><i>Kurt Strom, Xiao Gu, Massimiliano Spaliviero, Carson Wong¹, The University of Oklahoma Health Sciences Center, Oklahoma City, OK</i></p> <p><i>¹Consulting fees from American Medical Systems</i></p>
3:55 pm - 3:59 pm		Discussion
4:00 pm - 4:09 pm	189	<p>INCIDENCE OF URETHRAL STRICTURES FOLLOWING LASER ABLATION OF TCC</p> <p><i>Kelly Healy➔, Arturo Colon-Herdman, Nicholas Leone, Scott Hubosky, Demetrius Bagley, Thomas Jefferson, Philadelphia, PA</i></p>
4:10 pm - 4:14 pm		Discussion

OPHTHALMOLOGIC SURGERY

2008/2009 RESEARCH GRANT RECIPIENT

4:15 pm - 4:24 pm	190	<p>PHOTOCHEMICAL TISSUE BONDING: A POTENTIAL STRATEGY FOR TREATING LIMBAL STEM CELL DEFICIENCY</p> <p><i>Chuan Gu♦, Robert Redmond, Irene Kochevar, Ying Wang, Min Yao, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
4:25 pm - 4:29 pm		Discussion

PLASTIC SURGERY

4:30 pm - 4:39 pm	191	<p>EX VIVO EVALUATION OF LASER AURICULAR CARTILAGE RESHAPING WITH CARBON DIOXIDE SPRAY COOLING IN A RABBIT MODEL</p> <p><i>Edward C. Wu¹♣, Victor Sun, Wangcun Jia, Dmitriy E. Protsenko, Cyrus T. Manuel, Brian J.F. Wong, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA</i></p> <p><i>¹Financial grant from ASLMS Student/Research grant</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
4:40 pm - 4:44 pm		Discussion

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

➔Recipient of ASLMS travel grant.

♣Best Student/Resident Surgical Applications/Interstitial Laser Therapy Award Recipient.

4:45 pm - 4:54 pm	192	LASER ASSISTED FACIAL RHYTIDECTOMY AND FACIAL REJUVENATION: A REVIEW OF THE FIRST 500 PROCEDURES <i>Richard Gentile</i> ¹ , Northeastern Ohio College of Medicine, Youngstown, OH ¹ <i>Equipment, travel expenses, honoraria from Cynosure</i>
4:55 pm - 4:59 pm		Discussion
5:00 pm - 5:09 pm	193	TREATMENT OF CELLULITE WITH 1-YEAR FOLLOW-UP USING A 1440nm PULSED LASER: PRELIMINARY REPORT <i>Barry DiBernardo</i> ¹ , University of Medicine and Dentistry of New Jersey, Newark, NJ ¹ <i>Equipment, consulting fees, research grant from Cynosure</i> •Content discusses non-FDA approved device or off-label use
5:10 pm - 5:14 pm		Discussion
5:15 pm - 5:24 pm	194	HIGH DEFINITION BODY CONTOURING USING LASER ASSISTED LIPOSCULPTURE <i>Jamal Jomah</i> , Med Art Clinics, Riyadh, Saudi Arabia •Content discusses non-FDA approved device or off-label use
5:25 pm - 5:29 pm		Discussion
5:30 pm - 5:39 pm	195	A CONCEPT OF BODY CONTOURING BY COMBINING MINIMAL INVASIVE AND NON-INVASIVE PROCEDURES: LASER LIPOLYSIS, RADIOFREQUENCY AND ACOUSTIC WAVES <i>Katharina Russe-Wilflingseder, Manfred Herold, Elisabeth Russe</i> , Plastische Chirurgie und Laserzentrum, Innsbruck, Austria
5:40 pm - 5:44 pm		Discussion
GENERAL SURGERY		
5:45 pm - 5:54 pm	196	LASER HEMORRHOIDECTOMY: RETROSPECTIVE STUDY OF AN EFFECTIVE AND AMBULATORY HEMORRHOIDECTOMY <i>Manish Khandelwal, M. Hemadri, E. Ewart, P.J. Moore</i> , Scunthorpe, United Kingdom
5:55 pm - 6:00 pm		Discussion