N.E.S.P.R.S. PRELIMINARY PROGRAM FOR 2014 MEETING

The objective of this meeting is to provide an update of current plastic surgical theory and practice and to enhance the knowledge of the participants in diverse plastic surgical problems.

Saturday, June 7, 2014

7:00AM - 7:05AM OPENING CEREMONIES –
President – Welcome
Charles L. Castiglione, MD

7:05AM - 7:10AM Vice President / Program Chair – Welcome
Janice F. Lalikos, MD

SCIENTIFIC SESSION A

Moderator:

Long Papers [7-Minute Papers / 5-Minute Discussion]

7:10AM - 7:22AM (1) Patient and Provider Attitudes Toward Telemedicine Services in the VA Connecticut Healthcare System
Stephanie Douglas, BA
Deena Abbate, RN, BSN
Deepak Narayan, MD
VA Connecticut Healthcare System, West Haven Campus
Yale University School of Medicine

▲ Patient Safety – 25% of this Presentation pertains to Patient Safety

SPH Pap Technology Award consideration to be given for this Presentation

7:22AM - 7:34AM (2) Centrifugation Compared to a Combined Mesh/Gauze Technique for Fat Grafting: Mechanism, Outcomes, and Effect on ADSCs
Harry M. Salinas, MD
G. Felix Broelsch, MD
Justin R. Fernandes, MD
Saiqa Khan, MD
Michael C. McCormack, MBA
Amanda M. Meppelink, BS
Mark A. Randolph, MAS
William G. Austen, Jr., MD
Massachusetts General Hospital
Harvard Medical School
Saturday, June 7, 2014

Long Papers [7-Minute Papers / 5-Minute Discussion] – Continued

7:34AM - 7:46AM (3) Is There a Relationship Between Poor Surgical Factors and Adverse Flap Outcomes Following Microsurgical Reconstruction in Head and Neck Cancers

Anaeze Offodile II, MD
Thomas Tsai, MD
Lifei Guo, MD, PhD
Lahey Clinic
Tufts University

▲ Patient Safety – 10% of this Presentation pertains to Patient Safety

POSITION PAPER – SPECIAL TOPIC

7:46AM - 7:58AM (4) Breast Plastic Surgery in the US: Which Way Are We Heading?

Sumner A. Slavin, MD
Margo Hoyler, BA
Beth Israel Deaconess Medical Center
Harvard University

▲ Patient Safety – 25% of this Presentation pertains to Patient Safety

Short Papers [4-Minute Papers / 3-Minute Discussion]

7:58AM - 8:05AM (5) Neo-Approach to Delayed Mastectomy or Radiated Lumpectomy for Tissue Expander Based Breast Reconstruction

R. Brannon Claytor, MD
Portsmouth Regional Medical Center

▲ Patient Safety – 20% of this Presentation pertains to Patient Safety

8:05AM - 8:12AM (6) Nipple Loss Following Nipple-Sparing Mastectomy: Etiology and Long Term Outcome

Melissa Mastroianni, MD
Alex M. Lin, MS
Amy S. Colwell, MD
Massachusetts General Hospital
Harvard University

▲ Patient Safety – 10% of this Presentation pertains to Patient Safety
Saturday, June 7, 2014

Short Papers [4-Minute Papers / 3-Minute Discussion] (Continued)

8:12AM - 8:19AM (7) Oncoplastic Breast Reconstruction of Upper Pole Lumpectomy Defects: Use of Vertical Scar Mastopexy Pattern with Superomedial Pedicle and Lower Pole Island Flap
Mustafa Akyurek, MD, PhD
Arriyan Dowlatshahi, MD
Raymond M. Dunn, MD
Robert Quinlan, MD
Umass Memorial Medical Center
University of Massachusetts Medical Center

▲ Patient Safety – 40% of this Presentation pertains to Patient Safety

8:19AM - 8:26AM (8) Circumferential Belt Lipectomy with Concomitant Liposuction Following Massive Weight Loss
Mostafa Noury, MD
Lawrence N. Gray, MD
R. Brannon Claytor, MD
Portsmouth Regional Medical Center
UMass Medical Center

▲ Patient Safety – 20% of this Presentation pertains to Patient Safety

SCIENTIFIC SESSION B

Moderator:

† Joseph E. Murray, M.D., Award Competition – Part I
Long Papers [7-Minute Papers / 5-Minute Discussion]

8:26AM - 8:38AM † (9) Perception of Age, Tiredness and Attractiveness After Isolated and Combined Facial Subunit Aging
Antonio J. Forte, MD
Thomas W. Andrew, MBChB
Cesar Colasante, MD
Stefano Fusi, MD
John A. Persing, MD
Yale New Haven Hospital
Yale School of Medicine

8:38AM - 8:50AM † (10) Legibility and Intensity of Facial Emotion Expression Following Glabellar Muscle Paralysis
Jason T. Laurita, MD
Mitchell Wyffels, MD
Mitchell A. Stotland, MD
Dartmouth Hitchcock Medical Center
Geisel School of Medicine at Dartmouth
8:50AM - 9:02AM  (11)  Prominin-1 Derived Peptide Salvages Fat in a Hostile Environment Leading to Improved Fat Grating Results  
Saiqa I. Khan, MD  
Harry M. Salinas, MD  
Michael McCormack, MBA  
Alexander Golberg, PhD  
Martin Villiger, PhD  
G. Felix Broelsch, MD  
Amanda Meppelink, BS  
Avner Adini, PhD  
Martin Yarmush, MD, PhD  
Brett Bouma, PhD  
William G. Austen, Jr., MD  
Massachusetts General Hospital  
Harvard Medical School

9:02AM - 9:14AM  (12)  Chemical Genetic Screening in Zebrafish: New Insight into the Nitric Oxide Signaling in Craniofacial Morphogenesis  
Yawei Kong, PhD  
Michael Grimaldi, BA  
Eugene Curtin, MD  
Max Dougherty, BA  
Eric C. Liao, MD, PhD  
Massachusetts General Hospital  
Shriners Hospitals for Children Boston  
Harvard Medical School

9:13AM - 9:26AM  (13)  The Use of Mesh Versus Primary Fascial Closure of the Abdominal Donor Site When Using a Transverse Rectus Abdominus Flap (TRAM) for Breast Reconstruction: A Cost Utility Analysis  
Abhishek Chatterjee MD, MBA  
Dipak Ramkumar, MD  
Tamara B. Dawli, MD  
John F. Nigriny, MD  
Emily B. Ridgway, MD  
Dartmouth Hitchcock Medical Center  
Dartmouth College
Saturday, June 7, 2014

† Joseph E. Murray, M.D., Award Competition – Part I (Continued)
Long Papers [7-Minute Papers / 5-Minute Discussion]

9:26AM - 9:38AM † (14) Complications of Wound Healing in Patients Undergoing Flap Reconstruction with Intraoperative Brachytherapy for Head and Neck Cancer
Erik J. Geiger, BA
Bryce A. Basques, BA
Christopher C. Chang, MD
Andre W. Alcon, BA
Deepak Narayan, MD
Yale-New Haven Hospital
Yale University

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety

9:38AM - 10:10AM COFFEE BREAK – VISIT THE EXHIBITS

SCIENTIFIC SESSION C

Moderator:

† Joseph E. Murray, M.D., Award Competition – Part II
Long Papers [7-Minute Papers / 5-Minute Discussion]

10:10AM - 10:22AM † (15) Impact of Surgical Oncologists and Plastic Surgeons on Immediate Implant Breast Reconstruction Outcomes
Lisa Gfrerer, MD
David Mattos, MD
Melissa Mastroianni, MD
Joseph Ricci, MD
Christina Weng, Pemberton Heath
Curtis L. Certrulo, Jr., MD
Jonathan M. Winograd, MD
Alex B. Haynes, MD
William G. Austen Jr., MD
Eric C. Liao, MD, PhD
Massachusetts General Hospital
Harvard Medical School

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety
Saturday, June 7, 2014

Joseph E. Murray, M.D., Award Competition – Part II (Continued)
Long Papers [7-Minute Papers / 5-Minute Discussion]

10:22AM - 10:34AM † (16) Risk Factors Associated With Prolonged Postoperative Stay Following Free Tissue Transfer: An Analysis of 2,425 Patients from the ACS-NSQIP Database
Anaeeze Effodile, II, MD
Andrew Aherrera, BA
Lifei Guo, MD, PhD
Lahey Clinic
Tufts University

▲ Patient Safety – 10% of this Presentation pertains to Patient Safety

10:34AM - 10:46AM † (17) The Application of Photochemical Tissue Bonding for Large Deficit Nerve Repair
Neil Fairbairn, MD
Joanna Ng-Glazier, MD
Amanda Meppelink, BSc
Mark A. Randolph, MAS
Mark E. Fleming,
Ian L. Valerio,
Jonathan M. Winograd, MD
Robert W. Redmond, MD
Massachusetts General Hospital
Harvard University

精益求 Technology Award consideration to be given for this Presentation

10:46AM - 10:58AM † (18) Development of an Orthotopic Upper-Extremity Vascularized Allotransplant Model in Non-Human Primates for Translational Research
David A. Leonard, MD, MBChB, MRCS
Christopher Mallard, BS
Kumaran Shanmugarajah, MBBS, MRCS
Melissa Mastroianni, MD
Alexander Albritton, BS
Harrison Powell, BS
David H. Sachs, MD
Josef M. Kurtz, PhD
Curtis L. Cetrulo Jr., MD, FACS
William G. Austen, Jr., MD
Massachusetts General Hospital
Harvard Medical School
Saturday, June 7, 2014

Joseph E. Murray, M.D., Award Competition – Part II (Continued)
Long Papers [7-Minute Papers / 5-Minute Discussion]

10:58AM - 11:10AM † (19) MHC Class I Antigen Sharing Between Donors and Recipients Influences Tolerance of the Skin Epidermis of Vascularized Composite Allografts in Miniature Swine
Kumaran Shanmugarajah, MD
Christopher Mallard, BS
David A. Leonard, MD, MBChB, MRCS
Alex Albritton, BS
Harrison Powell, BS
Edward Harrington
Mark A. Randolph, MAS
David H. Sachs, MD
Josef M. Kurtz, PhD
Curtis L. Cetrulo, MD, FACS
William G. Austen, Jr., MD
Massachusetts General Hospital
Harvard Medical School

11:10AM - 11:22AM † (20) Hyperspectral Imaging for Burn Depth Analysis in an Animal Model
Oksana O. Babchenko, BS
Michael S. Chin, MD
Jorge Lujan-Hernandez, MD
Janice F. Lalikos, MD
UMass Memorial Medical Center
University of Massachusetts Medical School

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety

§PH Pap Technology Award consideration to be given for this Presentation

† End of the Joseph E. Murray, M.D., Award Competition

11:22AM - 11:25AM Introduction of Special Guest Lecturer

11:25AM - 12:25PM Special Guest Lecturer

The Science Behind Structural Fat Grafting for Reconstruction

Sydney R. Coleman, MD
New York, New York
### Saturday, June 7, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:25PM</td>
<td>Meeting Announcements</td>
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<tr>
<td>12:35PM</td>
<td>Announcement of the Murray Award Winner</td>
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<td>12:50PM</td>
<td>Annual Business Meeting / Active Members Only / Luncheon Included</td>
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<td>5:30PM</td>
<td>Cocktail Reception – Pool Lawn</td>
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<td>6:30PM</td>
<td>New England Lobster Bake – Pool Lawn</td>
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### Sunday, June 8, 2014

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<th>Time</th>
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<tr>
<td>7:00AM</td>
<td>Vice President / Program Chair – Sunday Morning Announcements</td>
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<td>7:05AM</td>
<td>Janice F. Lalikos, MD</td>
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<td>7:05AM</td>
<td>INVITED PAPER</td>
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<td>7:15AM</td>
<td>Innovation in the Cleft World: CAD/CAM Approach to Wide Clefts</td>
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<td>Philip B. Stoddard, MD</td>
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**SCIENTIFIC SESSION D**

Moderator:

Long Papers [7-Minute Papers / 5-Minute Discussion]

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<th>Time</th>
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<tr>
<td>7:15AM</td>
<td>Detailed Characterization and Functional Analysis of Skin-Resident</td>
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<td>Leukocytes from Vascularized Composite Allografts in Tolerant</td>
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<td>Miniature Swine Mixed Chimeras</td>
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<td>David A. Leonard, MD, MBChB, MRCS</td>
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<td>William G. Austen, Jr., MD</td>
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<td>Massachusetts General Hospital</td>
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<td>Harvard Medical School</td>
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</table>
Sunday, June 8, 2014

Long Papers [7-Minute Papers / 5-Minute Discussion] (Continued)

7:27AM - 7:39AM  (22)  Intravenous Extravasation: A Comprehensive Management Algorithm
Tamara B. Dawli, MD
Abhishek Chatterjee, MD
Emily B. Ridgway, MD
Mitchell A. Stotland, MD
Dartmouth Hitchcock Medical Center
Dartmouth College

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety

7:39AM - 7:51AM  (23)  Hyperspectral Imaging for Early Assessment of Microcirculatory Damage from Radiation
Michael S. Chin, MD
Brian B. Freniere, MD
Luca Lancerotto, MD
Jorge R. Lujan-Hernandez, MD
Jonathan H. Saleebey, MS
Yuan-Chyuan Lo, PhD
Dennis P. Orgill, MD, PhD
Thomas J. Fitzgerald, MD
Janice F. Lalikos, MD
UMass Memorial Medical Center
University of Massachusetts Medical School

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety

Pap Technology Award consideration to be given for this Presentation

7:51AM - 8:03AM  (24)  Pedicle Versus Free Flap Reconstruction in Patients Receiving Intraoperative Brachytherapy
Erik J. Geiger, BA
Bryce A. Basques, BA
Christopher C. Chang, MD
Andre W. Alcon, BA
Deepak Narayan, MD
Yale-New Haven Hospital
Yale University

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety
Sunday, June 8, 2014

Short Papers [4-Minute Papers / 3-Minute Discussion]

8:03AM - 8:10AM (25) Increased Risk of Complications in Trapeziectomy with Ligament Reconstruction and Tendon Interposition Compared with Trapeziectomy Alone
Aparajit Naram, MD
Keith Lyons,
Douglas M. Rothkopf, MD
Thomas Breene, MD
Edward Caulkins, MD
Marcie Jones, MD
Johnathan V. Shufflebarger, MD
UMass Memorial Medical Center
University of Massachusetts Medical School

▲ Patient Safety – 100% of this Presentation pertains to Patient Safety

8:10AM - 8:17AM (26) Evaluation of Emergent Transfers for Hand and Face Trauma Consultation
Vickram Jay Tandon, MD
Brian C. Drolet, MD
Yifan Guo, MD
Austin Y. Ha,
Rob Heinl,
Scott T. Schmidt, MD
Paul Y. Liu, MD
Rhode Island Hospital
Alpert Medical School of Brown University

▲ Patient Safety – 50% of this Presentation pertains to Patient Safety

8:17AM - 8:24AM (27) Single Stream Recycling in the Operating Room, Inpatient and Outpatient Settings
Mark G. Albert, MD
Douglas M. Rothkopf, MD
UMass Memorial Medical Center
University of Massachusetts Medical School

▲ Patient Safety – 75% of this Presentation pertains to Patient Safety

8:24AM - 8:31AM (28) Art Education for Plastic Surgery Trainees
Sean Figy, MD
Janice F. Lalikos, MD
UMass Memorial Medical Center
University of Massachusetts Medical School
Sunday, June 8, 2014

Short Papers [4-Minute Papers / 3-Minute Discussion] (Continued)

8:31AM - 8:38AM (29) The Readability of Online Patient Mastopexy Resources
Christina R. Vargas, MD
Victor Chien, MD
Danielle Chuang,
Bernard T. Lee, MD, MBA, FACS
Beth Israel Deaconess Medical Center
Harvard Medical School

8:38AM - 8:55PM ASPS / PSF Update –
Nicholas B. Vedder, MD
President-Elect, ASPS

8:55AM - 9:05PM INVITED PAPER

Cocoanut Grove Fire, Boston, MA
28 November 1942 – Update –
Kenneth A. Marshall, MD
Mount Auburn Hospital
Harvard Medical School

SCIENTIFIC SESSION E

Moderator:

+ Founders’ Award Competition
Long Papers [7-Minute Papers / 5-Minute Discussion]

9:05AM - 9:17AM + (30) Closing the Gap on Orofacial Cleft: A Genetics Primer for
the Plastic Surgeon
Eric C. Liao, MD, PhD
Beste Kinikoglu, PhD
Renee Ethier, BS
Lisa Gfrerer, MD
Michael Grimaldi, BS
Yawei Kong, PhD
Edward Li, BS
Stefanie Monica, BS
Kushi Mukherjee, PhD
Christina Nguyen, BS
Lucie Rochard, PhD
Massachusetts General Hospital
Harvard Medical School

Pap Technology Award consideration to be given for this Presentation
Sunday, June 8, 2014

+ Founders’ Award Competition (Continued)
Long Papers [7-Minute Papers / 5-Minute Discussion]

9:17AM - 9:29AM + (31)  
Treatment of Vaginismus with OnabotulinumtoxinA: Results From a Pilot Study  
Peter T. Pacik, MD  
Catholic Medical Center

▲ Patient Safety – 5% of this Presentation pertains to Patient Safety

PH Pap Technology Award consideration to be given for this Presentation

9:29AM - 9:41AM + (32)  
Obesity-Induced Lymphedema: Presentation, Diagnosis, and Management  
Arin K. Greene MD, MMSc  
Reid A. Maclellan, MD  
Boston Children's Hospital  
Harvard Medical School

+ End of the Founders’ Award Competition

9:41AM - 10:15AM  
COFFEE BREAK – VISIT THE EXHIBITS

10:15AM - 10:20AM  
Introduction of Special Guest Lecturer

10:20AM - 10:55AM  
Special Guest Lecturer

Fat Grafting for Aesthetic Enhancement: Much More than Filling  
Sydney R. Coleman, MD  
New York, New York
**Sunday, June 8, 2014**

**SCIENTIFIC SESSION F**

Moderator:

Long Papers [7-Minute Papers / 5-Minute Discussion]

*Amrita S. Pandit, MD*  
Erik J. Geiger, BA  
Deepak Narayan, MD, FRCS  
Jennifer Choi, MD  
Yale New Haven Hospital  
Yale University

▲ Patient Safety – **50%** of this Presentation pertains to Patient Safety

11:07AM - 11:19AM (34) Management of Problematic Infantile Hemangioma Using Intralesional Triamcinolone: Efficacy and Safety in 100 Infants  
*Javier A. Couto, BS*  
Arin K. Greene, MD, MMSc  
Boston Children's Hospital  
Harvard Medical School

▲ Patient Safety – **50%** of this Presentation pertains to Patient Safety  

&Paw  Pap Technology Award consideration to be given for this Presentation

11:19AM - 11:31AM (35) Altered Brain Connectivity in Sagittal Craniosynostosis  
*Eric D. Brooks, BS*  
Joel S. Beckett MD, MHS  
Cheryl Lacadie, BS  
Brent Vander Wyk, PhD  
Roger Jou, MD PhD, MPH  
Derek Steinbacher, DMD, MD  
Todd Constable, PhD  
Kevin Pelphrey, PhD  
Deepak Narayan, MD  
John A. Persing, MD  
Yale New Haven Hospital  
Yale University
Sunday, June 8, 2014

Short Papers [4-Minute Papers / 3-Minute Discussion]

11:31AM - 11:38AM (36) Surgical Correction for Metopic Craniosynostosis: A 3D Photogrammetric Analysis of Cranial Vault Outcomes
   *Olivia E. Linden, BA*
   Vanessa M. Baratta, BA
   Margaret M. Byrne, RN
   Petra M. Klinge, MD, PhD
   Stephen R. Sullivan, MD, MPH
   Helena O.B. Taylor, MD, PhD
   Rhode Island Hospital
   Hasbro Children's Hospital
   Warren Alpert Medical School of Brown University

11:38AM - 11:45AM (37) Management of Craniosynostosis at An Advanced Age: Clinical Findings, Surgical Treatment, and Controversies
   *Rajiv J. Iyengar, BS*
   Petra M. Klinge, MD, PhD
   Jerrold R. Boxerman, MD, PhD
   Stephen R. Sullivan, MD, MPH
   Helena O.B. Taylor, MD, PhD
   Rhode Island Hospital
   Warren Alpert School of Medicine of Brown University

▲ Patient Safety – 50% of this Presentation pertains to Patient Safety

11:45AM - 11:52AM (38) A Single Surgeon's 10 Year Experience with Endoscopic Removal of Periorbital Dermoid Cysts in Children
   *Joyce K. McIntyre, MD*
   Janice F. Lalikos, MD
   UMass Memorial Healthcare
   University of Massachusetts Medical School

▲ Patient Safety – 15% of this Presentation pertains to Patient Safety

11:52PM - 11:57PM Announcement of the Founders Award Winner

11:57PM - 12:00PM Closing Remarks

12:00PM Meeting Adjourned