

N.E.S.P.R.S. PROGRAM FOR THE 2023 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.

Friday, June 9, 2023

4:00 pm – 6:00 pm	Executive Council Meeting
6:00 pm – 7:00 pm	Registration
6:00 pm – 7:00 pm	Welcome Reception
7:00 pm – 10:00 pm	Dinner Buffet

Saturday, June 10, 2023

6:00 am – 1:00 pm	Registration
6:00 am – 1:00 pm	Exhibit Hall Hours
6:00 am – 1:00 pm	Speaker Ready
6:00 am – 7:00 am	Breakfast with Exhibitors
7:00 am – 7:05 am	President's Welcome Arin K. Greene, MD, MMSc <i>Children's Hospital, Boston, MA</i>
7:05 am – 7:10 am	Vice President's Welcome Russell Babbitt, III, MD <i>Plastic Surgery of Southern New England, Fall River, MA</i>
7:10 am – 7:25 am	ASPS Update Gregory A. Greco, DO, FACS <i>President, ASPS</i>

Saturday, June 10, 2023

7:25 am – 8:40 am

Scientific Session A

Clinical Problem Solving Panel

Moderator: Russell Babbitt, III, MD

Panelists: A. Samandar Dowlatshahi, MD
Christopher D. Hughes, MD
Janice F. Lalikos, MD
Rachel A. Sullivan, MD

8:40 am – 9:30 am

Scientific Session B

Moderator: Sumner A. Slavin, MD

1. **Impact of Breast Reconstruction Modality on Breast Cancer Recurrence Detection and Survival**
Helen S. Zitkovsky, MD¹, Haley Desjardins, MD², Michael M. Jonczyk, MD¹, Miguel I. Dorante, MA¹, Yoon Sun Chun, MD³, Lifei Guo, MD, PhD¹

¹Labey Hospital and Medical Center, Burlington, MD, ²University of Colorado, Aurora, CO, ³Brigham and Women's Hospital, Boston, MA

2. **External Validation of the Breast Cancer Surgery Risk Calculator (BCSRc): A Predictive Model for Post-Operative Complications**
Michael M. Jonczyk, MD, MS¹, Manish Karamchandani, MD², Aneesh Bahadur BS³, Alessandra Zaccardelli BS³, Carla Suzanne Fisher, MD⁴, Brian Czerniecki, MD⁵, PhD, Julie A. Margenthaler, MD⁶; Sarah M. Persing, MD², Christopher Homsy, MD², Salvatore Nardello, MD², Julie O'Brien, MD¹, Albert Losken, MD⁷; Abhishek Chatterjee, MD, MBA²

¹Labey Hospital & Medical Center: Department of Surgery, Burlington, MA
²Tufts Medical Center: Department of General Surgery, Boston, MA ³Tufts University School of Medicine, Boston, MA ⁴Department of Surgery, Indiana University School of Medicine Indianapolis, IN ⁵Department of Breast, Moffitt Cancer Center, Tampa, FL ⁶Department of Surgery, Washington University School of Medicine, St. Louis, MO ⁷Division of Plastic and Reconstructive Surgery, Emory University School of Medicine, Atlanta, GA

Saturday, June 10, 2023

3. **Expanding the Role of the Goldilocks Mastectomy**
Elsa Chahine MD¹, **Kerry A. Gaffney MD¹**, Aneesh Bahadur MD², Salvatore Nardello MD¹, Christopher Homsy MD¹, Abhishek Chatterjee MD¹, Sarah M. Persing, MD¹
¹Tufts Medical Center, Boston, MA

4. **Patient-Reported Outcomes on Subjective Nipple Sensation Following Double-Incision and Periareolar Mastectomy for Chest Masculinization**
Amy Chen MD¹, Shannon R. Garvey MD¹, Bernard T. Lee MD¹, Adam M. Tobias MD¹, Ryan P. Cauley, MD¹
¹Division of Plastic and Reconstructive Surgery, Department of Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School

5. **Comparing Gender Congruency in Nonsurgical versus Postsurgical Top Surgery Patients: A Prospective Survey Study**
Shirley Shue MD¹, Alex Joo MD¹, Jing Xu MD¹, Garrick Gu MD¹, Anthony Camargo MD¹, Isaac Bronson MD¹, Alexander Morrison, MD¹, Nathan Hawley, MD¹, Janice F. Lalikos, MD¹, Joyce K. McIntyre, MD¹
¹UMass Chan Medical School, Worcester, MA

Discussion

9:30 am – 10:00 am

COFFEE BREAK - VISIT THE EXHIBITS

10:00 am – 10:40 am

Scientific Session C

Introduction of Guest Lecturer: Russell Babbitt, III, MD

Special Guest Lecturer –

Breast Implant Illness: What Is The Science?

Patricia McGuire, MD

Parkcrest Plastic Surgery, St. Louis, MO

Saturday, June 10, 2023

10:40 am – 11:30 am

Scientific Session D

Moderator: William G. Austen, Jr., MD

- 6. The Effect of Early Plastic Surgery Evaluation in Traumatic Lower Extremity Limb Salvage**
Brogan G.A. Evans, MD¹, Kevin Hu, BS², Mica C.G. Williams, BS², Tomar Avraham, MD¹, Henry C. Hsia, MD¹, David L. Colen, MD¹
¹Division of Plastic and Reconstructive Surgery, Department of Surgery, Yale School of Medicine, New Haven, CT; ²Yale School of Medicine, New Haven, CT
- 7. Use of Bedside Ultrasound to Predict Pedicle Length in Radial Forearm Free Flaps**
Noah W. Miranda, MD¹, Catherine Wu, MD^{1,3}, Sangeeta Subedi, MD¹, Joseph Martinez, MD¹, Dee Jolly, MD¹, Ari Tabaac, MD¹, Amir Taghinia, MD¹, Oren Ganor, MD¹
¹Boston Children's Hospital, Boston, MA; ²UMass Chan Medical School, Worcester, MA; ³UCI, Irvine, CA
- 8. Surgical Management of Popliteal Artery Entrapment Syndrome**
Toni F. Engmann, MD¹, Stephen A. Stearns, BA¹, Stephanie Francalancia, BS¹, Pierre A. d'Hemecourt, MD², Lyle J. Micheli, MD², Joseph E. Upton, MD^{1,2}, **A. Samandar Dowlatshahi, MD¹**
¹Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, ²Boston Children's Hospital, Harvard Medical School, Boston, MA.
- 9. Xeroform™ Stickdown Dressing: A New Technique for the Treatment of Pediatric Partial Thickness Burns**
Jennifer Grauberger, MD, MS¹, Nikita Joshi BS¹, Alex Joo BA¹, Alannah L. Phelan MD¹, Janice F. Lalikos MD¹
¹Division of Plastic & Reconstructive Surgery, UMass Chan Medical School, Worcester MA

Saturday, June 10, 2023

10. **A Not-So-Glamorous Vacation: The Impact of Cosmetic Surgical Tourism on Patients and the Healthcare System**
Lauren Valentine, BS¹; Angelica Hernandez Alvarez, MD¹;
Emily Long, MD¹; Erin Kim, BA¹; Valeria P. Bustos, MD¹;
Allan A. Weidman, BS¹; Jose Foppiani, MD¹; Helen Xun, MD¹;
Bernard T. Lee, MD, MBA, MPH¹; Samuel J. Lin, MD, MBA,
FACS¹

¹*Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA*

Discussion

11:30 am – 12:00 pm

Invited Guest Lecturer –

Finding Ideas That Use Us

Mark B. Constantian, MD, FACS

12:00 pm – 12:50 pm

Scientific Session E

Moderator: Lifei Guo, MD

11. **Long Term Control of Nasal Tip Position: Quantitative Assessment of Caudal Septal Extension Graft**
Vikram Mookerjee, MD¹, **Jinesh Shah, MD¹**, David P. Alper,
MD¹, Martin Carney, MD¹, Derek M. Steinbacher, MD¹

¹*Division of Plastic Surgery, Yale School of Medicine, New Haven, CT*

12. **Full-thickness Abdominal Wall Reconstruction with Free Anterolateral Thigh Flap and Pedicled, Vascularized Fascia Lata: Case Report in a Young Patient with Dermatofibrosarcoma Protuberans**

Chelsea J. Messinger, PhD¹; **Joris Eduard Eeuwen**, Toni
Engmann, MD^{2,3}, Nicholas Tawa, MD⁴; A. Samandar
Dowlatshahi, MD^{2,3}

¹*Harvard/MIT MD-PhD Program, Harvard Medical School, Boston, MA,*

²*Department of Plastic and Reconstructive Surgery, Beth Israel Deaconess*

Medical Center, Harvard Medical School, Boston, Massachusetts; ³*Division of*

Trauma Surgery, Department of Surgery, Beth Israel Deaconess Medical Center,

Harvard Medical School, Boston, Massachusetts; ⁴*Division of Surgical Oncology,*

Department of Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

Saturday, June 10, 2023

13. Multi-disciplinary Management of Massive Inguinoscrotal Hernia Using Botox®: A Proposed Algorithm

Reade Otto-Moudry, MD, BA¹, Benjamin Wagner, MPH¹, Paolo Rigor, MD¹, **Yinglun Wu, MD¹**, Brent White, MD¹, Martin Gross, MD¹, Hermana Sigbajarson, MD¹, Joseph Shin, MD¹, Michael K. Matthew, MD¹

¹*Dartmouth-Hitchcock Medical Center, Dartmouth Health System, Lebanon, NH*

14. Tranexamic Acid in Facial Feminization Surgery: Quantifying a High-Risk Setting with Exogenous Estrogen Supplementation

David P. Alper, MD¹, Mariana N. Almeida, MD¹, Jean Carlo Rivera, MD¹, Michael Alperovich, MD¹

¹*Department of Surgery, Division of Plastic Surgery, Yale School of Medicine, New Haven, CT*

15. Sex-specific Differences in Self-confidence and Skill of Plastic Surgery Trainees: A Pilot Analysis in the Setting of Simulation

Krystof Stanek, MD¹, Nicole Phillips, MD², Steven J. Staffa, MD³, Francesca Y. L. Saldanha, MD¹, Carolyn R. Rogers-Vizena, MD¹

¹*Department of Plastic and Oral Surgery, Boston Children's Hospital, Harvard Medical School, Boston, MA*, ²*Lakeland Hospital Watervliet, St. Joseph, MI*, ³*Department of Anesthesiology, Boston Children's Hospital, Harvard Medical School, Boston, MA*

Discussion

12:50 pm – 12:55 pm	Annual Meeting Announcements
1:00 pm – 2:00 pm	NESPRS Annual Business Meeting & Luncheon <i>*NESPRS Members Only</i>
1:00 pm – 2:00 pm	Resident Luncheon <i>*All Residents Welcome</i>
6:00 pm – 7:00 pm	Cocktail Reception
7:00 pm – 10:00 pm	Mystic Dinner Buffet

Sunday, June 11, 2023

- 6:00 am – 11:45 am Registration
- 6:00 am – 11:45 am Exhibit Hall Hours
- 6:00 am – 7:00 am Breakfast with Exhibitors
- 7:00 am – 7:05 pm **Passing of the Gavel**
Arin K. Greene, MD, MMSc
Russell Babbitt, III, MD
- 7:05 am – 7:10 am Morning Announcements
- 7:10 am – 7:25 am The Aesthetic Society Update
Tracy M. Pfeifer, MD, MS
Vice President, The Aesthetic Society
- 7:25 am – 8:25 am **Scientific Session F**
*** Joseph E. Murray, M.D. Award Competition – PART I**

Moderator: Joyce K. McIntyre, MD

- *16. The Impact of Perioperative Blood Pressure on Hematoma Risk Following Reduction Mammoplasty in Young Women**
Krystof Stanek, MD¹, Lisa Nussbaum, MD¹, Carolyn Rogers-Vizena, MD¹
¹Department of Plastic and Oral Surgery, Boston Children's Hospital, Harvard Medical School, Boston, MA, USA
- *17. Alpha Defensin-1 Level Correlates with Peri-Prosthetic Infection Severity following Implant-Based Breast Reconstruction**
Neel Vishwanath, BS¹, Nikhil Sobti, MD¹, Thor Stead, MD¹, Vinay Rao, MD¹, Luke Soliman, MD¹, Karl H. Breuing, MD¹, Daniel K. Kwan, MD¹, Paul Y. Liu, MD¹, Scott Schmidt, MD¹
¹Warren Alpert Medical School of Brown University, Department of Plastic and Reconstructive Surgery, Providence, RI

Sunday, June 11, 2023

***18. The Modified Tuckster Necklift Technique: A Safe, Reliable Technique for a Sharp Jawline and Lateral Neck**
Vickram J. Tandon, MD, Samuel J. Lin, MD, MBA, Sumner A. Slavin, MD
Beth Israel Deaconess Medical Center, Harvard Medical School

***19. Does Frailty Predict Outcomes in Patients Undergoing Free or Pedicled Flap Procedures for Lower Extremity Limb Salvage? An Analysis of the ACS-NSQIP Database.**
Emmeline Jia, MS¹; **Shannon R. Garvey, MS¹**; Asha Nanda, BA¹; Amy Chen, BS¹; Valeria P. Bustos, MD, MS¹; Monica Morgenstern, MS¹; Rosie Friedman, BS¹; Bernard T. Lee, MD, MPH, MBA¹; A. Samandar Dowlathshahi, MD¹; Ryan P. Cauley, MD, MPH¹
¹Division of Plastic and Reconstructive Surgery, Department of Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA.

20. Lymphatic Anatomy Is Not Symmetrical Between the Upper Extremities
Rosie Friedman, MD¹, **James Fanning, MD**, Angela Chen, MD¹, Valeria Bustos, MD¹, Elizabeth Tillotson, MD¹, Aaron Fleishman, MD¹, Mohamed Ismail Aly, MD¹, Leo Tsai, Bernard T. Lee, MD¹, Dhruv Singhal, MD¹
¹Division of Plastic and Reconstructive Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

8:27 am – 9:27 am

Scientific Session G

*** Joseph E. Murray, M.D. Award Competition – PART II**

Moderator: Henry C. Hsia, MD

21. Photosealing of Dural Defects Using a Biocompatible Patch
Nicholas C. King, MD^{1,2}, Fernando P.S. Guastaldi, MD³, Arjun R. Khanna, MD⁴, Robert W. Redmond, MD⁵, Jonathan M. Winograd, MD¹
¹Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA, ²Boston University School of Medicine, Boston MA, ³Department of Oral and Maxillofacial Surgery, Massachusetts General Hospital, Harvard School of Dental Medicine, Boston, MA, ⁴Department of Neurosurgery, Massachusetts General Hospital, Boston MA, ⁵Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

Sunday, June 11, 2023

22. **Controlled Cooling Improves Functional Recovery After Skeletal Muscle Injury in Rats**
Hiroshi Fujimaki, MD, PhD¹; Daniah ALNafisee, MD, BS¹; Nicole Ayres, BS¹; Eddy Rios, BS¹; Ryan Chen, BA¹; Yuying Zhang, BS¹; Adrienne Conza, BA¹; Giorgio Giatsidis, MD, PhD¹, Janice F. Lalikos, MD
¹UMass Chan Medical School, Department of Surgery, Division of Plastic Surgery, Worcester, MA
23. **Aerobic Exercise and Scaffolds with Hierarchical Porosity Synergistically Promote Functional Recovery Post Volumetric Muscle Loss**
Daniel J. Koh BA¹, Christina Zhu BS, BA¹, Karina Sklyar MD¹, Yori Endo MD¹, Mohamadmahdi Samandari PhD², Mehran Karvar MD¹, Azadeh Mostafavi PhD³, Jacob Quint MS², Chiara Rinoldi PhD⁴, Iman K. Yazdi PhD⁵, Wojciech Swieszkowski PhD⁴, Joshua Mauney PhD⁶, Shailesh Agarwal MD¹, Ali Tamayol PhD^{2,3}, Indranil Sinha MD¹, NESPRS Meeting Sponsor: Arin K. Greene, MD
¹Division of Plastic Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, MA; ²Department of Biomedical Engineering, University of Connecticut, Farmington, CT; ³Department of Mechanical and Materials Engineering, University of Nebraska-Lincoln, Lincoln, NE; ⁴Materials Design Division, Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland; ⁵Division of Engineering in Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA; ⁶Departments of Urology and Biomedical Engineering, University of California Irvine, Irvine, CA
24. **PAPER WITHDRAWN**
25. **Preliminary Clinical Trial of a Wearable Sensor for Pressure Ulcer Prevention**
Alex Joo, MD¹, Rosana Pochat², Jan Sjoquist, MD¹, Ajay Rao, MD¹, Suhas Suddala, MD¹, Christian Klaucke, MD¹, John McNeill, MD², Raymond M. Dunn, MD¹
¹UMass Chan Medical School, Worcester, MA; ²Worcester Polytechnic Institute, Worcester, MA

End of the Joseph E. Murray, MD Award Competition

Sunday, June 11, 2023

9:27 am – 10:00 am

COFFEE BREAK VISIT THE EXHIBITS

10:00 am – 10:40 am

Scientific Session H

Moderator: Raymond M. Dunn, MD

26. Improving the Retention and Predictability of Low Volume Autologous Fat Grafting: A Comparative Analysis in Facial Feminization Patients

Katherine H. Carruthers, MD¹, William G. Austen Jr., MD¹,
Branko Bojovic, MD¹

¹Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

27. Patient Comfort with Before and After Photos at Plastic Surgery Offices

Allan A. Weidman, BS¹, Lauren Valentine, BS¹, Stephen Stearns, BA¹, **Jose Foppiani, MD¹**, Angelica Hernandez Alvarez, MD¹, Emily Long, MD¹, Samuel J. Lin, MD, MBA¹

¹Division of Plastic Surgery, Department of Surgery, Beth Israel Deaconess Medical Center, Boston, MA

28. Estimated vs. Calculated Blood Loss in Plastic Surgery

Carly M. Wareham, MD¹, Gabriel De La Cruz Ku, MD^{2,3}, Manish M. Karamchandani, MD¹, Abhishek Chatterjee, MD, MBA, FACS^{4,5}, Sarah M. Persing, MD MPH^{4,5}, Christopher Homsy MD⁴

¹Department of Surgery, Tufts Medical Center, Boston, MA ²University of Massachusetts Medical School, Worcester, MA ³Universidad Científica del Sur, Lima, Peru ⁴Division of Plastic and Reconstructive Surgery, Department of Surgery, Tufts Medical Center, Boston, MA ⁵Division of Surgical Oncology and Breast Surgery, Department of Surgery, Tufts Medical Center, Boston, MA

29. The Prevalence of Adverse Childhood Experiences in Plastic Surgeons: What Predicts Burnout?

Mark B. Constantian, MD¹, Nick Zaborek, MA¹

¹University of Wisconsin Health Sciences Center University of Virginia Medical School

Sunday, June 11, 2023

10:40 am – 11:00 am

Scientific Session I

Invited Guest Lecture –

**How You Can Get Involved in Global Plastic Surgery,
Travel Not Required**

Joyce K. McIntyre, MD

University of Massachusetts Medical School, Worcester, MA

11:00 am – 11:40 am

Scientific Session J

Moderator: Abishek Chatterjee, MD

**30. MAP2K1 Mutant Murine Model Recapitulates Human
Cutaneous Arteriovenous Malformation**

Michal Ad, MD¹, Yu Sheng Cheng, BS¹, Matthew P. Vivero,
MD¹, Patrick J. Smits, PhD¹, Arin K. Greene, MD, MMSc¹

¹Boston Children's Hospital, Boston, MA.

**31. Photochemical Tissue Bonding with Commercial
Amniotic Membranes for Nerve Regeneration**

Maria Bejar-Chapa, MD¹, Nicolo Rossi, MD²; David Kostyra,
BS² Nicholas King, BS¹; Kalyn McGuire, BS¹; Madisson
Hussey, BS¹, Mark A. Randolph, MS^{1,2} Robert W. Redmond,
PhD¹; Jonathan M. Winograd, MD¹

*¹Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital,
Harvard Medical School, Boston, MA ²Wellman Center for Photomedicine,
Massachusetts General Hospital, Harvard Medical School, Boston, MA*

**32. Who's an Author? Public Perception of Medical Advice
from ChatGPT versus Medical Professionals**

Lauren Valentine, BS¹, **Allan A. Weidman, BS¹**, Stephen A.
Stearns, BA¹; Jose Foppiani, MD¹; Angelica Hernandez Alvarez,
MD¹, Samuel J. Lin, MD, MBA, FACS¹

¹Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

Sunday, June 11, 2023

33. **Drawing the Line Between Cosmetic and Plastic Surgeons: Public Perception When Seeking Aesthetic Surgery**

Lauren Valentine, BS¹, **Jose Foppiani, MD¹**, Allan A. Weidman, BS¹, Angelica Hernandez Alvarez, MD¹, Stephen Stearns, BS²; Samuel J. Lin, MD, MBA, FACS¹

¹*Division of Plastic Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA* ²*Harvard Medical School, Boston, MA*

11:40 am – 11:45 am Announcement of Joseph E. Murray, MD Award Winner

11:45 am – 11:50 am Closing Remarks

12:00 pm Meeting Adjourn