12:00 pm-2:00 pm  LUNCH POSTER SESSION

P1. Back To Square One: Peripheral Margin Control Of Advanced Cutaneous Malignancies In A Multidisciplinary Setting
Meredith L. Grogan Moore, BS, Megan Shelton, MD, Matthew Fox, MD, Brent Egeland, MD.
*Dell Medical School at the University of Texas at Austin, Austin, TX*

P2. Understanding The Learning Disabilities Linked To Sagittal Craniosynostosis
Rayssa Cabrejo¹, Cheryl Lacadie, BS¹, Eric Brooks, MD, MHS¹, Joel Beckett, MD¹, Alex Sun, MD¹, Jenny Yang, MD¹, Carolyn Chuang, MD¹, Jeffrey Eilbott, PhD¹, Charles Duncan, MD¹, Derek Steinbacher, DMD, MD¹, Michael Alperovich, MD¹, Pamela Ventola, PhD¹, Kevin Peephrey, PhD², Todd Constable, PhD¹, John Persing, MD¹.
¹Yale School of Medicine, New Haven, CT, ²George Washington University, Washington, DC

P3. Apnea-hypopnea Index Does Not Correlate With Weight Gain Or Failure To Thrive In Infants With Robin Sequence
Michael K. Boyajian, BA¹, Pamela Tan, MD², Erin Rada, MD², Lauren Salinerò, BS², Gary Rogers, MD², Albert Oh, MD².
¹Warren Alpert Medical School of Brown University, Providence, RI, ²Division of Plastic & Reconstructive Surgery at Children's National Medical Center, Washington, DC

Katherine A. Grunzweig, MD, Ji Son, MD, Anand Kumar, MD.
*University Hospitals Cleveland Medical Center, Cleveland, OH*

P5. Comparison of Outcomes after Palatoplasty between Patients with Isolated Cleft Palate, and Cleft Lip and Palate: A Propensity-Score Matched Analysis
Elbert J. Mets, BA, Fouad K. Chouairi, BS, Sina J. Torabi, BA, Michael Alperovich, MD.
*Yale School of Medicine, New Haven, CT*

Carly M. Rosen¹,², Ledibabari M. Ngaage, MA Cantab MBChir², Erin Rada, MD², Sheri Slezak, MD², Stephen Kavic, MD³, Yvonne Rasko, MD².
¹University of Maryland School of Medicine, Baltimore, MD, ²University of Maryland Medical Center Division of Plastic Surgery, Baltimore, MD, ³University of Maryland Medical Center Department of Surgery, Baltimore, MD

P7. Visualizing Endothelial Cells And Pericytes During Cutaneous Wound Angiogenesis In Living Adult Zebrafish.
Chikage Noishiki, M.D.¹, Shinya Yuge, Ph.D.¹, Koji Ando, Ph.D.², Yuki Wakayama, Ph.D.², Naoki Mochizuki, M.D., Ph.D², Rei Ogawa, M.D., Ph.D., F.A.C.S.¹, Shigetomo Fukuhara, Ph.D.¹.
¹Nippon Medical School, Tokyo, Japan, ²National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan

P8. Doxycycline-Coated Silicone Breast Implant Reduces Surgical Site Infections Compared to Standard Gentamycin/Cefazolin/Bacitracin Wash
Mitchell J. Skinner, B.S.¹, Jennifer E. Baker, MD¹, Ryan M. Boudreau, MD¹, Aaron P. Seitz, MD¹, Erich Gulbins, MD, PhD²,¹, Michael J. Edwards, MD¹, Ryan M. Gobble, MD¹.
P9. Doxycycline-Coated Silicone Breast Implants are Non-Toxic and Reduce Biofilm Formation In Vitro
Mitchell J. Skinner, B.S.1, Jennifer E. Baker, MD1, Ryan M. Boudreau, MD1, Aaron P. Seitz, MD1, Michael J. Edwards, MD1, Erich Gulbins, MD, PhD1,2, Ryan M. Gobble, MD1.
1University of Cincinnati, College of Medicine, Department of Surgery, Cincinnati, OH, 2University of Duisburg-Essen, University Hospital Essen, Department of Molecular Biology, Cincinnati, OH

P10. Visual Perception of Asymmetry in Parry Romberg Disease: A Pre- and Post-Surgical Eyetracking Analysis
Thanapoom M. Boonipat1, Amjed Abu-Ghname, MD1, Ali Charaffadine, MD1, Kevin D. Fleming2, Uldis Bite1, Mitchell Stotland3, Samir Mardini, MD1.
1Mayo Clinic, Rochester, MN, 2Norwich University, Northfield, VT, 3Sidra Medical, Doha, Qatar.

P11. Aging-associated Loss Of Hypoxia Signaling Limits Skeletal Muscle Regeneration
Kodi Udeh, MS1,2, Bin Li, MD2, Adriana Panayi, MD2, Ronald Neppl, PhD2, Amy Wagers, PhD3, Indranil Sinha, MD2,3
1University of Connecticut School of Medicine, Farmington, CT, 2Brigham and Women's Hospital, Boston, MA, 3Harvard Stem Cell Institute, Cambridge, MA

P12. Occipital Neuralgia/ Migraine: Intra-Operative Evidence For Extracranial Pathology
Lisa Gfrerer, MD PhD, Marek Hansdorfer, MD, Ricardo Ortiz, Bsc, Kassandra P. Nealon, Bsc, William G. Austen, MD.
MGH, Boston, MA

P13. Trainee Operative Autonomy in Plastic Surgery
Christina R. Vargas, Tobias Long, MD, Anand R. Kumar, MD.
University Hospitals Cleveland Medical Center, Cleveland, OH

Ricardo Ortiz, BSc, Lisa Gfrerer, MD PhD, Marek Hansdorfer, MD, Kassandra Nealon, BSc, William G. Austen, Jr., MD.
Massachusetts General Hospital, Boston, MA

P15. Enhancing the Study of Negative Pressure Wound Therapy in a Porcine Model
Ashley L. Pistorio, MD, MS1, Christopher A. Neal, PhD1, Heather E. Shinogle-Decker, BA2, Jennifer G. Nelson-Brantley, BS1, Molly Steed, PharmD2, Richard Korentager, MD1, David S. Zamierowski, MD1, Adam J. Mellott, PhD1.
1University of Kansas Medical Center, Kansas City, KS, 2University of Kansas, Lawrence, KS

Hope Xu, BA1, Collin Rozanski, BA1, Peter J. Taub, MD, FACS, FAAP2.
1Icahn School of Medicine at Mount Sinai, New York, NY, 2Department of Plastic and Reconstructive Surgery, Icahn School of Medicine at Mount Sinai, New York, NY

P17. Surgical Outcomes in Pediatric Patients with Infantile Hemangioma: A Retrospective Case-Control Study
Nikita S. Goel, M.D.1, Katherine A. Grunzweig, M.D.2, Anand R. Kumar, M.D.2.
Amjed Abu-ghname1, Joseph Banuelos, MD1, Krishna S. Vyas, MD, PhD, MHS1, Lucas Kreutz Rodrigues, MD1, Shane D. Morrison, MD, MS2, Steven L. Moran, MD1, Jorys Martinez-Jorge, MD1, Oscar J. Manrique, MD1.
1Mayo Clinic, Rochester, MN, 2University of Washington, Seattle, WA

P19. The Impact of Smoking on Postoperative Complications in Hand Surgery
Brian H. Cho, MD, Keith T. Aziz, MD, Aviram M. Giladi, MD, MS.
The Curtis National Hand Center, Baltimore, MD

P20. The Orbital Index: A Novel Comprehensive Quantitative Tool for Prediction of Delayed Enophthalmos in Orbital Floor Fracture Management
Brandon De Ruiter, BS, Frank Lalezar, MD, Evan Mostafa, BS, Daniel Baghdasarian, BS, Avinoam Levin, BA, Edward H. Davidson, MD.
Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY

P21. Understanding Breast Satisfaction in the Preoperative Breast Reconstruction Patient
Robert Allen, Jr., MD1, Meghna Shamsunder, MPH1, Thais Polanco, MD1, Aadit Patel, MD1, Nikhil Sobti, MS1, Colleen McCarthy, MD1, Evan Matros, MD MMSc MPH1, Joseph Dayan, MD1, Joseph Disa, MD1, Peter Cordeiro, MD1, Andrea Pusic, MD2, Babak Mehrara, MD1, Jonas Nelson, MD1.
1Memorial Sloan Kettering Cancer Center, New York, NY, 2Brigham and Women’s Hospital, Boston, MA

P22. CT Imaging for Large Scale Anatomic Study of the Gluteal Veins
David M. Turer, MD, MS, Erin Anstadt, MD, Alexander Skidmore, MD, April Lawrence, BS, April Krivoniak, BS, Darshit Thakrar, MD, Amir Borhani, MD, Jesse Goldstein, MD, J. Peter Rubin, MD.
University of Pittsburgh Medical Center, Pittsburgh, PA

P23. Translational Cell-Specific Tissue Remodeling for Osteoarthritis
Matthew P. Murphy, MD, Lauren S. Koepke, BS, Michael Lopez, BS, Gunsagar Gulati, BS, Ryan C. Ransom, BS, Thomas H. Ambrosi, PhD, Xinming Tong, PhD, Charles KF Chan, PhD, Michael T. Longaker, MD, MBA.
Stanford, Stanford, CA

P24. Mesh Suture Better Resists Pull Through in a Repetitive Stress Ball Burst Model
Christopher Scheiber, MD, Jason Souza, MD, Christopher Dearth, PhD, Stephen Goldman, PhD, Peter Liacouras, PhD.
Walter Reed National Military Medical Center, Bethesda, MD

P25. Pediatric Mandible fractures - Determinants of Early Repair at US Trauma Centers
Selim G. Gebran, MD1, Philip J. Wasichek, MD2, Adekunle Elegbede, MD, PhD3, Ledibabari M. Ngaage, MB BCHir2, Yuanyuan Liang, PhD2, Marcus Ottochian, MD2, Jonathan J. Morrison, PhD, MBBS2, Michael P. Grant, MD, PhD1, Yvonne M. Rasko, MD2, Arthur J. Nam, MD, MS1, Fan Liang, MD1.
1R Adams Cowley Shock Trauma Center, Baltimore, MD, 2Department of General Surgery, University of Maryland School of Medicine, Baltimore, MD, 3The Johns Hopkins University, Baltimore, MD

Katelyn G. Bennett, MD MS, Niki Matusko, MD, Hsou Mei Hu, PhD, Jennifer F. Waljee, MD MS, Christian J. Vercrcl, MD MA, Steven R. Buchman, MD.
University of Michigan, Ann Arbor, MI
P27. Characterization of the Genomic Response to Tissue Expansion: Can It Help Us?
Joanna K. Ledwon, PhD1, Chiang C. Huang, PhD2, Elbert E. Vaca, MD1, Arun K. Gosain, MD1.
1Northwestern University Feinberg School of Medicine, Ann & Robert H. Lurie Children's Hospital of Chicago, Division of Plastic and Reconstructive Surgery, Stanley Manne Children's Research Institute, Chicago, IL, 2University of Wisconsin, Joseph J Zilber School of Public Health, Milwaukee, IL

P28. Objective Outcomes in Upper Blepharoplasty: An Eyetracking Study
Amjed Abu-ghname, MD1, Thanapoom Boonpat, MD1, Ali Charaffadine, MD1, Kevin Fleming, PhD2, Mitchell, Stotland, MD3, Uldis Bite, MD1.
1Mayo Clinic, Rochester, MN, 2Norwich University, Northfield, VT, 3Sidra Medical, Doha, Qatar.

P29. Adult Cranioplasty Outcomes with PEEK vs. Titanium: A Single Institution’s Experience in 69 Patients
Malke Asaad, MD, Joseph Banuelos, MD, Amjed Abu-ghname, MD, Trishul Kapoor, MD, Uldis Bite, MD, Samir Mardini, MD, Jamie J. Van Gompel, MD, Giuseppe Lanzino, MD, Basel Sharaf, MD, DDS.
Mayo Clinic, Rochester, MN

P30. Understanding the Factors that Drive Patients’ Decision for Open versus Endoscopic Carpal Tunnel Release Surgery: A Conjoint Analysis Study
Bryan J. Pyfer, MD, MBA, Francesca Tocci, MA, Andrew Federer, MD, Suhail K. Mithani, MD.
Duke University Hospital, Durham, NC

P31. Incidence of Cervical Spine Injuries in Pediatric Craniomaxillofacial Trauma Patients
Helen Xun, BS, Joseph Lopez, MD, MBA, Halley Darrach, BS, Bart Kachniraz, MD, Richard J. Redett, MD, Paul Manson, MD, Amir Dorafshar, M.B.Ch.B.
Johns Hopkins School of Medicine, Baltimore, MD

P32. The Trompe l’Oeil Effect: Neo-umbilicoplasty in The Reconstructive Population
Ledibabari M. Ngaage1, Georgios Kokosis, MD2, Rachel Pedreira, BA3, Erin M. Rada, MD1, Yvonne M. Rasko, MD1.
1University of Maryland Medical Center, Baltimore, MD, 2Johns Hopkins Hospital / University of Maryland Medical Center, Baltimore, MD, 3Johns Hopkins University School of Medicine, Baltimore, MD

P33. Objective Analysis of Effectiveness of Facial Skin Laser Treatment using 0.33 mm in Diameter Microbiopsy Punches
Mikaela Kislevitz, BSN, RN, Mason Bartels, BS, Karen B. Lu, BA, Jeffrey Kenkel, MD, Yucel Akgul, MD, PhD.
UTSW, Dallas, TX

P34. Axonal Regeneration Through Autologous Grafts: Does the Axonal Load of the Graft Influence Successful Outcomes?
Miranda Chacon, BS1, Jeff W. Lichtman, MD PhD2, Adriaan O. Grobbelaar, MD3, Howard Langstein, MD1, Jonathan I. Leckenby, MD MRCS1.
1University of Rochester, Rochester, NY, 2Harvard University, Cambridge, MA, 3The Royal Free NHS Foundation Trust, London, United Kingdom.

P35. Comparison of Near Infrared Tissue Oximetry and Indocyanine Green Angiography in a Porcine Model
Nima Khavanin, MD, Halley Darrach, BA, Kevin Klifto, PharmD, Franca Kraenzlin, MD, Tinglu Han, MD, Pathik Aravind, Hamda Almaazmi, Bashar Safar, MD, Justin M. Sacks, MD.
Johns Hopkins University School of Medicine, Baltimore, MD
P36. Trends In Sub-specialty Fellowship Training To Pursue An Academic And Non-academic Plastic Surgery Career
Francesco M. Egro, MBChB MSc MRCS, Brandon T. Smith, Alex G. Stavros, BA, Carolyn P. Murphy, BA, Vu T. Nguyen, MD.
University of Pittsburgh Medical Center, Pittsburgh, PA

P37. Lymphovenous Anastomosis at the Time of Axillary Lymph Node Dissection: A Systematic Review of Risk and Outcomes
Julia A. Cook, MD1, Sarah E. Sasor, MD2, Aladdin H. Hassanein, MD, MMSc1.
1Indiana University, Indianapolis, IN, 2University of Michigan, Ann Arbor, MI

P38. Plastic Surgery Milestones Competencies and Chief Year Cosmetic Case Volume: Is There a Relationship?
Ilana G. Margulies, MS, Paymon Sanati-Mehrizy, MD, Hope Xu, BA, Felipe Molina-Burbano, BA, Peter J. Taub, MD, MS.
Icahn School of Medicine at Mount Sinai, New York, NY

P39. The Impact of Social Media on a Chief Resident Aesthetic Clinic
Paymon Sanati-Mehrizy, MD, Ilana G. Margulies, Peter J. Taub, MD.
Mount Sinai Medical Center, New York, NY

P40. Sustained-Release 9-cis Retinoic Acid Pellets for the Prevention of Postsurgical Lymphedema
Giulia Daneshgaran, BS, Connie B. Paik, BS, Michael N. Cooper, BA, Wan Jiao, MD, PhD, Young-Kwon Hong, PhD, Alex K. Wong, MD.
University of Southern California, Los Angeles, CA

P41. An Experimental Animal Model for Head and Neck Lymphedema
Giulia Daneshgaran, BS, Connie B. Paik, BS, Michael N. Cooper, BA, Wan Jiao, MD, PhD, Ivetta Vorobyova, BS, Tea Jashashvili, MD, PhD, Yang Chai, DDS, PhD, Alex K. Wong, MD.
University of Southern California, Los Angeles, CA

P42. Desensitization Using Costimulatory Blockade And Bortezomib Does Not Prevent DSA Formation And Rejection In Reconstructive Transplantation
Franka Messner, M.D., Yinan Guo, Gerald Brandacher, M.D., Byoung Chol Oh, Ph.D, D.V.M.
Johns Hopkins University School of Medicine, Baltimore, MD

P43. Mechanical Irritation In Vascularized Tissue Allotransplantation Triggers Localized Skin Rejection
Franka Messner, M.D., Anna Fischer, M.D., Elias Runggaldier, Sebastian Elter, Bettina Zelger, M.D., Bernhard Zelger, M.D., Susanne Sprung, M.D., Dietmar Ötner, Prof. M.D., Stefan Schneeberger, Prof. M.D., Theresa Hautz, Ph.D. M.D.
Medical University of Innsbruck, Innsbruck, Austria.

P44. The Development Of A Customized 3d-printed Nanocomposite Polyurethane Implant For Auricular Cartilage Reconstruction
Michelle Griffin, MBChB MSc MRes MRCS PhD1,2, Deepak Kalaskar, PhD1, Peter Butler, Sr., MD FRCS1,2.
1University College London, London, United Kingdom, 2Royal Free Hospital, London, United Kingdom

P45. Away Rotations in Plastic and Reconstructive Surgery: A Survey of Program Directors
Felipe Molina Burbano, BA1, Christina Pasick, MD2, Philip J. Torina, MD2, Marco Harmaty, MD2, Peter J. Taub, MD2.
1Icahn School of Medicine at Mount Sinai, New York, NY, 2Mount Sinai Health System, New York, NY
P46. Spatial Accessibility of Primary Care Services in Mid-Shore Maryland
Mehrnaz Ighani.
University of Maryland, College Park, Baltimore, MD

P47. Evaluation of Porous Fluoridated Apatites as Bone Scaffolds
Sujee Jeyapalina, PhD, Brian T. Bennett, MSc, Barbu Gociman, MD, PhD, James Peter Beck, MD, Steven Naleway, PhD, Jayant P. Agarwal, MD.
University of Utah, Salt Lake City, UT

P48. Predicting Upper Extremity Arterial Disease - Analysis of Patient Symptoms and Comorbidities
Kareem Hassan, M.D., Timothy Bruce, M.D., Logan Galansky, Russell Reid, M.D., Ph.D, Ross Milner, M.D., Patrick Reavey, M.D., M.S.
University of Chicago, Chicago, IL

P49. In Vivo Characterization of an Injectable, In Situ Polymerizing Cellulosic Hydrogel Filler for Long-Term Soft Tissue Augmentation
Peter J. Taub1, Gittel T. Gold, PhD2, Luis Cardoso2, Robert Phelps, MD1, Steven B. Nicoll, PhD2.
1Mount Sinai Medical Center, New York, NY, 2City College of New York, New York, NY

P50. Limb Salvage Rates and Functional Outcomes Using a Longitudinal Slit Arteriotomy End to Side Anastomosis for Limb threatening Defects in a High-risk, Comorbid Patient Population
Cara K. Black, BA1, Kenneth L. Fan, MD1, Kyle Luvisa, BS2, Vikas S. Kotha, BS1, Michael V. Defazio, MD3, Karen Evans, MD, FACS1.
1MedStar Georgetown University Hospital, Washington, DC, 2Georgetown University School of Medicine, Washington, DC, 3MD Anderson Cancer Center, Houston, TX

P51. The Role of SIRT1 in Circadian Clock Regulation in Human Adipose-Derived Stem Cells
Catherine Calvert, MD, Jeffrey Raum, PhD, Ivona Percec, MD PhD.
University of Pennsylvania, Philadelphia, PA

P52. Mechanisms Of Neuropathic Pain Hypersensitivity Following Terminal Neuromas In Rats Is Sexually Dimorphic
Shelby Svientek, Jason Kessler, Scott Sabbagh, Vincent Thieu, Brian Cleary, Theodore Kung, Paul Cederna, Stephen W. Kemp.
University of Michigan, Ann Arbor, MI

P53. Functional Outcome After Dynamic Hypothermic Ex-situ Perfusion on Rat Hindlimb Allografts
University of Michigan, Ann Arbor, MI

P54. Preoperative Biopsy of Denervated Muscles May be a Predictor of Functional Recovery after Nerve Transfers
Justin P. Chan, BA1, Jennifer Uong, BS1, Winnie Palispis, MD1, Henry Hoang, BS1, James Clune, MD2, Ranjan Gupta1.
1University of California, Irvine, Irvine, CA, 2Yale University, New Haven, CT

P55. Three Unique Macrophage Subsets Drive Development of Capsular Fibrosis Through Collagen Deposition
Britta A. Kuehlmann, MD, PhD, Clark A. Bonham, BS, Geoffrey C. Gurtner, MD.
Stanford, Stanford, CA
P56. Satisfaction with Cleft-specific Outcomes: A Longitudinal Analysis
Alexandra O. Luby, MS, Kavitha Ranganathan, MD, Michaela Baker, BS, Anne Patterson, Niki Matusko, BS, Katelyn Bennett, MD, Steven R. Buchman, MD, Jennifer F. Waljee, MD, MS, MPH.
University of Michigan, Ann Arbor, MI

P57. Socioeconomic Drivers of Gender Affirmation Surgery: An Analysis of the 2015 USTS Transgender Survey Database
Victor Vakayil, MBBS, MS, Zachary Miller, BS, Marie-Claire Buckley, MD, Umar Choudry, MD, Nicholas Kim, MD.
University Of Minnesota, Minneapolis, MN

P58. Prosthetic Breast Reconstruction Outcomes in Hodgkin’s Lymphoma Survivors
Jacquelyn Withers, B.S., Abd-Rawf Al-Nowaylati, M.D., Hani Sbitany, M.D.
University of California, San Francisco, San Francisco, CA

P59. Fat Grafting for Total Autologous Breast Reconstruction: A Retrospective Cohort Study
Walter J. Joseph, III, MD, J. Peter Rubin, MD, Carolyn De La Cruz, MD.
UPMC, Pittsburgh, PA

P60. The Influence Of Laser Doppler Imaging On The Clinical Judgment Of Different Health Professionals For The Management Of Indeterminate Depth Burn Wounds
Mohammed Asif, MD1, Ashley Modica, MD1, An Guo Michael Chin, MSc2, Julie Caffrey, DO1, Charles Scott Hultman, MD, MBA1.
1Johns Hopkins University School of Medicine, Baltimore, MD, 2Philadelphia College of Osteopathic Medicine, Philadelphia, PA

Marek A. Hansdorfer, MD, Lisa Gfrerer, MD PhD, Kassandra P. Nealon, Bsc, William G. Austen, MD.
MGH, Boston, MA

Franca Kraenzlin, Halley Darrach, Nima Khavanian, Kristen Broderick, Michele Manahan, Gedge Rosson, Oluseyi Aliu, Damon Cooney, Justin Sacks.
Johns Hopkins, Baltimore, MD

P63. Regenerative Peripheral Nerve Interface Signal Validation via Conscious Response to Tactile Stimuli
Daniel C. Ursu, PhD, MMSc, Theodore A. Kung, MD, Melanie G. Urbanchek, PhD, R. Brent Gillespie, PhD, Paul S. Cederna, MD, Stephen W.P. Kemp, PhD.
University of Michigan, Ann Arbor, MI

P64. Home Is Where The job Is:Where To Start Looking for an Academic Plastic Surgery Position
Adam D. Glener, MD, Steven R. Glener, BS, Ronnie L. Shammas, MD, Elliot Le, BS, Kristen Rezak, MD, Brett T. Phillips, MD.
Duke University, Durham, NC

Nicholas A. Calotta, MD1, David Merola, PharmD2, Zhen A. Lu, BA1, Devin O’Brien-Coon, MD, MSE1.
1Johns Hopkins University School of Medicine, Baltimore, MD, 2Harvard T.H. Chan School of Public Health, Boston, MA
P66. Process of Improvement in Limiting Abdominal Wall Morbidity Following Deep Inferior Epigastric Perforator Flap
Min-Jeong Cho, Danielle Dumestre M.D., Austin Hembd, M.D., Avinash Jayaraman, BS, Catherine Sobieski, Connie Ma, Nicholas T. Haddock, Sumeet S. Teotia.
*University of Texas Southwestern Medical Center, Dallas, TX*

P67. Development of an Ultrasound and Simulation Curriculum With Low-Cost, High Impact Models for Plastic Surgery Education
Joanna H. Ng-Glazier, MD, Jeffrey A. Gusenoff, MD.
*University of Pittsburgh, Pittsburgh, PA*

P68. Autotransplantation of a Sacral Ectopic Phallus: A Case Report
Joseph M. Firriolo, MD1, Laura C. Nuzzi, BA2, Amir H. Taghinia, MD, MPH, MBA2, Brian I. Labow, MD2.
1University of California Davis Medical Center, Sacramento, CA, 2Boston Children’s Hospital, Harvard Medical School, Boston, MA

P69. Desmoplastic Melanoma: A Comprehensive Analysis of the NCDB Between the Years 2004-2015
Maria T. Huayllani, MD1, David J. Restrepo, MD1, Daniel Boczar, MD1, Andrea Sisti, MD1, Jeremie D. Oliver, BS, BA2, Sanjay P. Bagaria, MD1, Emmanuel M. Gabriel, MD, PhD1, Brian D. Rinker, MD1, Antonio Jorge Forte, MD, PhD1.
1Mayo Clinic, Jacksonville, FL, 2Mayo Clinic, Rochester, MN

P70. Timing Reduction Mammaplasty in the Adolescent Patient
Joseph M. Firriolo, MD1, Laura C. Nuzzi, BA2, Catherine T. McNamara, BS2, Amir H. Taghinia, MD, MPH, MBA2, Brian I. Labow, MD2.
1University of California Davis Medical Center, Sacramento, CA, 2Boston Children’s Hospital, Harvard Medical School, Boston, MA.

P71. Melanoma in African American patients: NCDB Analysis from 2004 to 2015
Daniel Boczar1, David J Restrepo1, Andrea Sisti1, Maria T. Huayllani1, Jeremie D. Oliver2, Aaron C Spaulding1, Jordan J Cochuyat1, Brian D RInker1, Antonio Jorge Forte1.
1Mayo Clinic Florida, Jacksonville, FL, 2Mayo Clinic School of Medicine, Rochester, MN

Daniel Boczar, Maria T. Huayllani, David J Restrepo, Andrea Sisti, Jeremie D. Oliver, Aaron C Spaulding, Jordan J Cochuyat, Sanjay Bagaria, Emmanuel Gabriel, Brian D RInker, Antonio Jorge Forte.
*Mayo Clinic Florida, Jacksonville, FL*

P73. Comparison of Invasive Melanoma Outcomes Treated with Mohs Micrographic Surgery Vs. Wide Local Excision in the United States
Daniel Boczar, MD, David J Restrepo, MD, Maria T. Huayllani, MD, Andrea Sisti, MD, Jeremie D. Oliver, BS, BA, Aaron C Spaulding, PhD, Jordan J Cochuyat, Sanjay Bagaria, MD, Emmanuel Gabriel, MD PhD, Brian D RInker, MD, Antonio Jorge Forte, MD, PhD.
*Mayo Clinic Florida, Jacksonville, FL*

P74. Nerve Growth Factor (NGF) And Glial Growth Factor (GGF2) Facilitate The Distribution Of Rat Schwann Cells Seeded Into Processed Nerve Allografts
Giulia Daneshgaran, BS, Michael Cooper, BS, Milan Stevanovic, MD, PhD, Alex K. Wong, MD, Erin L. Weber, MD, PhD.
*Keck School of Medicine of the University of Southern California, Los Angeles, CA*

P75. Automated Objective Assessment of Facial Rejuvenation Procedures using Machine Learning
Akash Chandawarkar, MD¹, Daniel J. Gould, MD, PhD², Navin K. Singh, MD, FACS³, W. Grant Stevens, MD, FACS⁴.
¹Johns Hopkins University School of Medicine, Baltimore, MD, ²University of Southern California, Los Angeles, CA, ³Washingtonian Plastic Surgery, Chevy Chase, MD, ⁴Marina Plastic Surgery, Marina Del Rey, CA

**eP1. The Effect of Tranexamic Acid in Lowering Bleeding, Edema, and Ecchymosis in Primary Rhinoplasty: A Systematic Review & Meta-Analysis**
Connor McGuire¹, Sean Nurmsso¹, Osama A. Samargandi², Michael Bezuhly².
¹Dalhousie Medical School, Halifax, NS, Canada, ²Division of Plastic and Reconstructive Surgery, Dalhousie University, Halifax, NS, Canada.

**eP2. Head and Neck Oncologic and Reconstructive Surgery: Is a One Team or Two Team Approach Better?**
Sina J. Torabi, Fouad Chouairi, BS, Jacob Dinis, BS, John Persing, MD, Michael Alperovich, MD.
Yale School of Medicine, New Haven, CT

**eP3. Modern Flap Monitoring Protocols Reduce the Time Needed for Inpatient Flap Monitoring**
Katherine H. Carruthers, MD, MS¹, Pankaj Tiwari, MD², Shunsuke Yoshida, MD, MS², Ayaz Shaikh, MD², Ergun Kocak, MD, MS².
¹West Virginia University, Morgantown, WV, ²Midwest Breast & Aesthetic Surgery, Gahanna, OH

**eP4. An Improved Surgical Technique for Incisional Hernia Repair following Liver Transplantation**
Steven J. Hermiz, MD, Jerec Ricci, MD, Marion Tapp, MS, Kevin Delaney, MD, Fernando Herrera, MD, Milton Armstrong, MD.
Medical University of South Carolina, Charleston, SC

**eP5. Incidence and Patient Characteristics for the Development of Venous Thromboembolic Events within the Adult Burn Center Population and an Evaluation of the Caprini Risk Assessment Model**
Michael J. Grzelak, BS, Vidhi Javia, BS, Carrie Cox, MS, RN, Mohammed Asif, MD, Scott Hultman, MD, FACS.
Johns Hopkins School of Medicine, Baltimore, MD

**eP6. Risk for Persistent Peripheral Neuropathy after Brachial Artery Injuries**
Scott N. Loewenstein, Corianne Rogers, Joshua Adkinson.
Indiana University, Indianapolis, IN

**eP7. Medical Crowdfunding and Access to Care in Patients Undergoing Cleft Lip & Palate Surgery**
Ronald K. Akiki, BA¹, Charles C. Jehle, MD², Marten Basta, MD², Joseph Crozier, MA², Michael K. Boyajian, BA¹, Albert S. Woo, MD².
¹The Warren Alpert Medical School of Brown University, Providence, RI, ²Division of Plastic and Reconstructive Surgery, Brown University, Providence, RI

Thanapoom Boonipat, Jesse Mailke, MD, Krishna Vyas, MD PhD, Samir Mardini, MD.
Mayo Clinic, Rochester, MN

Dominic Henn¹, Annika Rauh, MD¹, Katharina Fischer, BS¹, Ulrich Kneser, MD¹, Yoo-Jin Kim, MD², Hai-Quan Mao, PhD³, Volker J. Schmidt, MD¹, Justin M. Sacks, MD, MBA⁴.
Howard D. Wang, MD1, Zuhaib Ibrahim, MD2, Amy Quan, MD, MPH1, Jennifer Bai, MD3, Benjamin T. Ostrander, MS1, Richard J. Redett, MD4.
1Johns Hopkins Hospital / University of Maryland, Baltimore, MD, 2Institute for Advanced Reconstruction, Shrewsbury, NJ, 3Northwestern Memorial Hospital, Chicago, IL

eP11. Identifying Patient Risk Factors in Prepectoral Breast Reconstruction
Michael Holland, Rachel Lentz, M.D., Clara Gomez-Sanchez, M.D., Hani Sbitany, M.D.
University of California, San Francisco, San Francisco, CA

eP12. Nasofrontomaxillaryethmoid Fracture Patterns: Challenges to Current Clinical Nomenclature
Evan Mostafa, BS, Frank Lalezar, MD, Brandon De Ruiter, BS, Avinoam Levin, BA, Daniel Baghdasarian, BS, Edward H. Davidson, MD.
Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY

eP13. The Cd146+ Subpopulation Of Adipose-derived Stromal Cells (ascs) Has Enhanced Regenerative Effects
Stanford, Palo Alto, CA

eP14. Free Fillet Flaps For Reconstruction Of Massive Oncologic Resections
Lucas Kreutz-Rodrigues, MD., Tony Chieh-Ting Huang, MD, MSc, Brian T. Carlsen, MD., Samir Mardini, MD., Matthew T. Houdek, MD., Peter S. Rose, MD., Karim Bakri, M.B.B.S.
Mayo Clinic, Rochester, MN

eP15. Laterality And Patient-Reported Satisfaction Following Autologous Breast Reconstruction With Abdominal Tissue: An 8 Year Examination Of BREAST-Q Data
Nikhil Sobti, BA1, Aadit R. Patel, MD1, Robert J. Allen, Jr., MD1, Evan Matros, MD, MMSc, MPH1, Colleen M. McCarthy, MD, MS1, Joseph H. Dayan, MD1, Joseph J. Disa, MD1, Peter G. Cordeiro, MD1, Babak J. Mehrara, MD1, Monica Morrow, MD1, Andrea L. Pusic, MD, MHS2, Jonas A. Nelson, MD1.
1Memorial Sloan Kettering Cancer Center, New York, NY, 2Brigham and Women's Hospital, Boston, MA

eP16. Clinical Outcomes in Pediatric Dual Nerve Facial Reanimation
Molly M. McNeely, BS1, Fan Liang, MD2, Katelyn Bennet, MD1, Christian J. Vercler, MD1, William Kuzon, MD1.
1University of Michigan, Ann Arbor, MI, 2University of Maryland, Baltimore, MD

eP17. Patterned Silicone Surfaces for Limiting Infection in Breast Prostheses
Sujeet Jeyapalina, PhD, Brian T. Bennett, MSc, Jayant Agarwal, MD.
University of Utah, Salt Lake City, UT

eP18. Plastic Surgery Chairs and Program Directors: Are the Qualifications Different for Men and Women?
Kevin Chen, MD1, Grace Ha, BA1, Benjamin D. Schultz, MD1, Ben Zhang, BA1, Mark L. Smith, MD1, James P. Bradley, MD1, Charles H. Thorne, MD2, Armen K. Kasabian, MD1, Andrea L. Pusic, MD MHS3, Neil Tanna, MD MBA1.
eP19. Differential Gene Expression in Capsules from Smooth versus Textured Silicone Implants
Giulia Daneshgaran, BS¹, Daniel Gardner, MD², Annie Chen, MD¹, Solmaz Niknam-Bienia, MD¹, Vinaya Soundararajan, MD¹, Maxwell B. Johnson, MD¹, Alexander Fedenko, MD, PhD¹, Regina Y. Baker, MD¹, Alex K. Wong, MD¹.
¹University of Southern California, Los Angeles, CA, ²University of California, Irvine, Irvine, CA

eP20. Biomechanical and Histologic Evaluation of a Novel Absorbable Polydioxanone Mesh in a Porcine Model of Abdominal Wall Repair
Alexei Mlodinow¹, Markian Kuzycz, MD, FACS², Michelle Hasse, MS³, Todd Cruikshank, MBA¹, Stephanie Wiegel, MS³, Marco Ellis, MD, FACS¹, John Kim, MD, FACS¹.
¹Northwestern Feinberg School of Medicine Division of Plastic and Reconstructive Surgery, Chicago, IL, ²Aurora Medical Center, Kenosha, WI, ³Surgical Innovation Associates, Chicago, IL

eP21. Using Dermal Templates to Safely Reconstruct Complex Calvarial Defects in Patients in their Ninth through Eleventh Decade of Life
Jaime L. Bernstein, MD MS, Jason A. Spector, MD FACS.
NYP-Cornell/Columbia, New York, NY

Stav Brown, BS¹, Amy Yao, MD², Paymon Sanati-Mehrizy, MD², Sheemon P. Zackai, MD², Peter J. Taub, MD FACS².
¹Sackler School of Medicine, Tel Aviv, Israel, ²Icahn School of Medicine at Mount Sinai, New York, NY

eP23. Analysis of Top Surgery Results in the Female to Male Transgender Patients: Demonstrating High Satisfaction Beyond Aesthetic Outcome Using Advanced Linguistic Analyzer Technology and Social Media
Cara K. Black, BA, Kenneth L. Fan, MD, James Economides, MD, Rachel Camden, MS, Gabriel Del Corral, MD. MedStar Georgetown University Hospital, Department of Plastic and Reconstructive Surgery, Washington, DC

Kavitha Ranganathan, MD, Alexandra O. Luby, MS, Madeleine Haase, Michaela Baker, BS, Anne Patterson, Niki Matusko, BS, Katelyn Bennett, MD, Steven R. Buchman, MD, Jennifer F. Waljee, MD, MS, MPH. University of Michigan, Ann Arbor, MI

Brittany Perzia, B.S, Christopher Jou, B.S, Joseph Melfia, B.A, Edward Carey, B.S, Kailash Kapadia, B.S, Gurtej Singh, PhD, Jocellie Marquez, MD, Sami Khan, MD. Stony Brook University School of Medicine, Stony Brook, Long Island, NY

eP26. Antibiotic Stewardship in Breast Reconstruction
Franca Kraenzlin, Kristen Broderick. Johns Hopkins, Baltimore, MD

eP27. Improved Patient Satisfaction After Reduction Mammaplasty with Dexamathasone-Bupivacaine Perineural Block
Alexander Neusner, MD¹, Andrew Daigneau, BS², Alexis Lo², Richard Tyrell, MD¹, Gaurav Trehan, MD¹, Jon Livelsberger, DO¹, Andrew Gassman, MD¹.
Jennifer Rath, BS1,2, Xianyu Zhou, MD2, Philip Hanwright, MD2, Neha Amin, BS3, Nicholas von Guionneau, MBBS2, Karim Sarhane, MD3, Chia Na Min, MS2, Thomas Harris, BSc2, Sai Pinni4, WP Andrew Lee, MD2, Gerald Brandacher, MD2, Sami Tuffaha, MD2.
1University at Buffalo Jacobs School of Medicine, Buffalo, NY, 2Johns Hopkins University School of Medicine, Baltimore, MD, 3University of Maryland School of Medicine, Baltimore, MD, 4Johns Hopkins University, Baltimore, MD

eP29. Differences in Operative Self-Assessment Between Male and Female Plastic Surgery Residents: A Survey of 8149 Cases
Carisa M. Cooney, MPH1, Pathik Aravind1, Scott D. Lifchez, MD1, C. Scott Hultman, MD, MBA, FACS1, Robert A. Weber, MD2, Sebastian Brooke, MD2, Damon S. Cooney, MD, PhD1.
1Johns Hopkins University School of Medicine, Baltimore, MD, 2Baylor Scott & White Medical Center, Temple, TX

eP30. Risk Factors for Amputation Following Lower Extremity Free Tissue Transfer in a Chronic Wound Population
Vikas Kotha, BS, Elliot Walters, MD, Chris Devulapalli, MD, Christopher E. Attinger, MD, Karen K. Evans, MD. Georgetown University, Washington, DC

eP31. Evaluation Of Capsular Contracture Rate Following Immediate Prepectoral Versus Subpectoral Direct-to-implant Breast Reconstruction
Nikhil Sobti, BA, Rachel E. Weitzman, MS, Kassandra P. Nealon, BA, William G. Austen, Jr., MD, Eric C. Liao, MD, PhD.
Massachusetts General Hospital, Boston, MA

eP32. Influence of Facility Characteristics on Breast Reconstruction in Post-Mastectomy Patients with Carcinoma in Situ of the Breast
Daniel Boczar, MD, David J Restrepo, MD, Andrea Sisti, MD, Maria T. Huayllani, MD, Jeremie D. Oliver, BS, BA, Emmanuel Gabriel, MD PhD, Sanjay Bagaria, MD, Sarah McLaughlin, MD PhD, Kris Atwood, Brian D RInker, MD, Antonio Jorge Forte, MD, PhD.
Mayo Clinic Florida, Jacksonville, FL