

## LIST OF TOPICS PRESENTED

**PANELS & PRESENTATIONS****1) TITLE: PANEL HOT TOPIC: BREAST SURGERY**

MODERATORS: Rahim S. Nazerali, MD & Alex K. Wong, MD

PANELISTS: Garry S. Brody, MD, M. Bradley Calobrace, MD, *Aesthetic Society's Traveling Professor*, Rahim S. Nazerali, MD, Charles Y. Tseng, MD

At the conclusion of this panel, participants should have been able to: 1) Assess and evaluate the hot topics related to breast surgery including ALCL, implant selection, the safety of nipple sparing mastectomy and novel techniques in breast reconstruction; 2) Review the current knowledge base in the above areas to improve competence, performance and patient outcomes in breast surgery; and 3) Apply new data towards quality improvement and improve medical knowledge and apply this to patient care in breast surgery.

**2) TITLE: BRODY FAMILY LECTURESHIP**

The Garry Brody, MD Family Lectureship

TOPIC: IMMUNE MODULATION FOR HAND TRANSPLANTATION

W. P. Andrew Lee, MD

The presentation described the development of an immune modulatory protocol in order to minimize recipient immunosuppression for vascularized composite allo-transplantation such as hand transplants. Using transient lymphoid depletion and donor bone marrow infusion into hand transplant recipients, the Johns Hopkins team has been able to maintain hand allografts on single-agent immunosuppression (Tacrolimus monotherapy) for more than 8 years.

1) Recognize the importance to achieve a favorable risk-benefit ratio for transplantation that enhances the quality of life; 2) Examine the concept of immune modulation (regulation) rather than suppression by maintaining a careful balance of immune responses between the allograft and recipient; 3) Integrate the clinical experience of hand transplant using an immune modulatory protocol.

**3) TITLE: PANEL TRANSGENDER SURGERY**

MODERATORS: Karen M. Yokoo, MD & Ali X. Salim, MD

PANELISTS: Jordan Deschamps-Braly, MD, Esther A. Kim, MD, Gabriel M. Kind, MD, Bauback Safa, MD, Thomas Satterwhite, MD

This panel covered gender reassignment surgery indications and techniques, including breast/chest, facial, and genital surgery.

At the conclusion of this panel, participants should have been able to: 1) Review the current plastic surgical options for gender reassignment surgery; 2) Assess the pathways for medical care for transgender patients; 3) Recognize and utilize the WPATH (World Professional Association for Transgender Health) guidelines/criteria for transgender surgery; & 4) Recognize the importance of insuring the public is aware of the needs of this previously underserved population.

**4) TITLE: PANEL WORK-LIFE BALANCE AND HOW TO AVOID BURNOUT**

MODERATORS: Scott L. Hansen, MD & William S. Umansky, MD

PANELISTS: Anureet Bajaj, MD, PSF Visiting Professor, Katerina M. Gallus, MD, David Weinberg, *StressCare*

At the conclusion of this panel, participants should have been able to: 1) Describe the problem and impact of physician burnout; 2) Examine issues and challenges experienced by physicians as they seek "work/life balance", and 3) Identify strategies to prevent physician burnout and improve "work/life balance".

**5) TITLE: PANEL REGENERATIVE OR DEGENERATIVE THERAPY?**

AN UPDATE ON FAT, STEM CELLS & PLATELET RICH PLASMA

MODERATOR: Ahmed S. Suliman, MD

PANELISTS: Ashkan Ghavami, MD & Derrick Wan, MD

The panelists discussed the scientific basis and rationale for therapeutic effects of Adipocyte Derived Regenerative Cells (ADRC), the scientific basis and rationale for therapeutic effects of Platelet-Rich Plasma (PRP), Clinical applications of ADRC and PRP; and Evidence for effectiveness of stem cell based therapies.

At the conclusion of this panel, participants should have been able to: 1) Examine the concept of Adipose derived regenerative cells and their potential uses; 2) Review the concept of Platelet Rich Plasma and its potential uses; 3) Analyze the current state of evidence of the effectiveness of both ADRCs and PRP in Plastic and Reconstructive Surgery procedures; 4) Recognize the need for well-designed research studies to demonstrate the effectiveness of these potential regenerative treatments; & 5) Evaluate patient inquiries of "stem cell" based treatments.

**6) TITLE: PANEL SOCIAL MEDIA ISSUES**

MODERATOR: Amanda A. Gosman, MD

PANELISTS: Anureet Bajaj, MD, PSF Visiting Professor, Ashka Ghavami, MD, Raman C. Mahabir, MD

The panelists discussed the ethical and effective use of social media in plastic surgery practice - in accordance to California law.

At the conclusion of this panel, participants should have been able to: 1) Assess specific ethical and legal considerations for social media in plastic surgery (MBC, HIPAA, etc.); 2) Determine the value of social media in academic and private plastic surgery practice; and 3) Analyze the risks and benefits of using social media in academic and private plastic surgery practice

**INSTRUCTIONAL COURSES****1) CURRENT CONCEPTS AND APPROACHES IN SIMULTANEOUS AUGMENTATION MASTOPEXY**

M. Bradley Calobrace, MD\* – *Aesthetic Society's Traveling Professor*

This course outlined the issues to be considered in approaching the ptotic breast, reviewed the known literature on the subject to help provide framework for the discussion, followed by detailed approach (published date Calobrace, et al PRS 2013) included preoperative assessment, operative technique and postoperative management. There was a video presentation that outlined in detail the surgical approach. The course was interactive, allowing for open and honest discussion, and ongoing approach combining clinical experience with evidence-based learning.

At the conclusion of this course, the participants should have been able to:

1) Discuss the pertinent risks and benefits to approaching augmentation and mastopexy as a simultaneous procedure vs. a staged procedure; 2) Describe and perform the operative steps in simultaneous augmentation mastopexy; 3) Review and analyze their own preoperative evaluation and counseling for a patient considering augmentation mastopexy; and 4) Plan and provide appropriate postoperative care of an augmentation mastopexy patient.

**2) ACLS/CPR TRAINING COURSE PART 1 & 2**

Upon successful completion of this course participants should have been able to:

-Recognize and initiate early management of periarrest conditions that may result in cardiac arrest or complicate resuscitation outcome

-Demonstrate proficiency in providing BLS care, including prioritizing chest compressions and integrating automated external defibrillator (AED) use

-Recognize and manage respiratory arrest

-Recognize and manage cardiac arrest until termination of resuscitation or transfer of care, including immediate post-cardiac arrest care

-Recognize and initiate early management of ACS, including appropriate disposition

-Recognize and initiate early management of stroke, including appropriate disposition

-Demonstrate effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance

**3) RESIDENT/FELLOW COURSE The Business of Plastic Surgery: Are you in it to win, or are you in it not to lose?**

**The Etiology, prevention and management of complications in Breast Augmentation**

M. Bradley Calobrace, MD *Aesthetic Society's Traveling Professor*

Brief Description: These presentations outlined the many facets of creating a comprehensive plastic surgery practice & outlined the most significant contributing factors to complications leading to revisions in breast augmentation surgery.

**4) MINDFULNESS: A POWERFUL RESPONSE TO BURNOUT & WORK-LIFE BALANCE (NON-CME COURSE)**

DAVID WEINBERG & KARIN PFLUGER

Note: All speakers disclosed any potential conflict(s) of interest prior to the 2017 CSPA Annual Meeting. All disclosures were reviewed and went through a Resolution of Conflict of Interest process. All disclosures were printed in the program materials and in addition, were also indicated at the podium - either verbally and/or in their PowerPoint presentation.

## 2017 ANNUAL MEETING PROGRAM - LIST OF PAPERS PRESENTED

### ◆STANDARDIZING THE MEASURED EFFECT ON INTRACRANIAL

#### VOLUME OF DISTRACTION OSTEOGENESIS FOR CRANIOSYNOSTOSIS

Michael G. Brandel, BA, Cecilia L. Dalle Ore, BS, Chris M. Reid, MD, William Zhu, BA, Samuel Lance, MD, Hal Meltzer, MD, Amanda A. Gosman, MD

### ◆SURGEON SPECIALTY AND RECONSTRUCTIVE OUTCOMES IN ALVEOLAR BONE GRAFTING FOR PATIENT WITH ORAL CLEFTS

William Zhu, BA, Samuel H. Lance, MD, Cecilia L. Dalle Ore, MD, Michael G. Brandel, BA, Anna Schoenbrunner, MD, Chris Reid, MD, Marilyn Jones, MD, Amanda A. Gosman, MD

### ◆FINANCIAL BURDEN OF NASOALVEOLAR MOLDING: A SINGLE CENTER CROSS-SECTIONAL STUDY

William Y Zhu, BA\*, Jonathan T. Unkart, MD, Chris M. Reid, MD, Amanda A. Gosman, MD

### ◆VALIDATION OF VECTRA 3D IMAGING FOR QUANTITATIVE VOLUMETRIC MEASUREMENT OF UPPER EXTREMITY LYMPHEDEMA

Daniel J. Gould, MD\*, Mark J. Landau, PhD, Jennifer S. Kim, BS, Daniel J. Gould, MD, PhD, Ketan M. Patel, MD

### ◆A SYSTEMATIC REVIEW OF PROGNOSTIC FACTORS FOR SENSORY RECOVERY AFTER DIGITAL NERVE RECONSTRUCTION

Nana-Yaw Bonsu, BS\*, Jennifer S. Kim, BA, Hyuma A. Leland, MD, Joseph N. Carey, MD, Ketan M. Patel, MD, Mitchel Seruya, MD

### ◆INCISIONAL NEGATIVE PRESSURE WOUND THERAPY IN HIGH RISK PANNICULECTOMY PATIENTS: EARLY RESULTS OF A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL

Chad M. Bailey, MD \* & Michael S. Wong, MD

### ◆HOW DO WE MEASURE UP? UPDATES ON MEASURING AND TRENDING THE DEEP AND CAVITATING COMPLEX WOUND

Richard Bodor, MD\*, Sarek Shen, BS, MS, Kevin Broder, MD

### ◆SHORT DURATION 9-CIS RETINOID ACID THERAPY IS SUFFICIENT TO IMPROVE FUNCTIONAL LYMPHATIC DRAINAGE IN POST-SURGICAL LYMPHEDEMA

Gene K. Lee, MD, MPH\*, David P. Perrault, BS, Antoun Bouz, BS, Austin J. Pourmoussa, MS, Daniel Gardner, BS, Maxwell Johnson, MS, Sun Young Park, MS, Athanasios Bramos, MD, Eun Kyung Park, MS, Young Jin N. Seong, BS, Sunju Lee, PhD, Lia E. Jung, MS, Dongwon Choi, PhD, Young-Kwon Hong, PhD, Alex K. Wong, MD, FACS

### ◆TENDON HYDROGEL VERSUS MICRORIBBON POLYMER AS A VEHICLE FOR STEM CELL DELIVERY

Heather desJardins-Park, AB \*, Tokoya Williams, MD, Heather Rogan, BS, MS, Chao Long, AB, Yukitoshi Kaizawa, MD, PhD, James Chang, MD, FACS, Fan Yang, PhD, Paige Fox, MD, PhD

### ◆PRACTICAL APPLICATIONS OF DELAYED-IMMEDIATE AUTOLOGOUS BREAST RECONSTRUCTION: A FLEXIBLE AND SAFE OPERATIVE STRATEGY

Chao Long, BA, Arhana Chattopadhyay, BA, Gloria Sue, MD, Eva Huis In't Veld, BS, Gordon K. Lee, MD, FACS

### ◆COMPARATIVE ANALYSIS OF BREAST COMPLICATIONS IN FREE, AUTOLOGOUS BREAST RECONSTRUCTION FOR PATIENTS UNDERGOING POSTOPERATIVE RADIATION THERAPY

Jennifer Cheesborough, MD\*, Daniel Sotelo Leon, BS, Jarom Gilstrap, MD, Gordon Lee, MD

### ◆ASSESSING VALUE IN BREAST RECONSTRUCTION: A SYSTEMATIC REVIEW OF COST-EFFECTIVENESS STUDIES

Clifford Sheckter, MD \* & Arash Momeni, MD

### ◆"A MERIT-BASED INCENTIVE PROGRAM IN BREAST RECONSTRUCTION: ARE WE READY?"

Rahim S. Nazerli, MD, MHS\*, Micaela A. Finnegan, BS, Vasu Divi, MD, Gordon K. Lee, MD, Robin N. Kamal, MD

### ◆EXTERNAL TISSUE EXPANSION: A NOVEL AND MINIMALLY INVASIVE TECHNIQUE FOR NIPPLE RECONSTRUCTION

Sarah C. Sorice MD\*, Kristine Rustad, MD, Alexander Li, BS, Shannon Meyer, BA, Dung Nguyen, PharmD, MD, Geoffrey C. Gurtner, MD

### ◆IS SUBCUTANEOUS MASTECTOMY (TOP SURGERY) APPROPRIATE IN PATIENTS WHO WERE ASSIGNED FEMALE AT BIRTH AND IDENTIFIED AS MALE OR NON BINARY WHO HAD PREVIOUS BREAST REDUCTION?

Winnie Mao Yiu Tong, MD\*, Ali Salim, MD, Anandev Gurjala, MD, Karen Yokoo, MD, Roderick Simonds, MD, Ginger Xu, MD

### ◆FEMALE-TO-MALE TRANSGENDER CHEST SURGERY: A SIMPLIFIED APPROACH

Andre Alcon, MD\*, Maristella Evangelista, MD, Merisa Piper, MD, Eric Wang, MD, Rachel Lentz, MD, David A. Daar, BS, Dominic Amara, BA, Esther A. Kim, MD

### ◆MANAGEMENT OF BREAST ANIMATION DEFORMITY

Clara Gomez-Sanchez, MD\*, Rachel Lentz, MD\*, Merisa Piper, MD, Hani Sbitany, MD

### ◆ANALYSIS OF CLINICAL OUTCOMES, COSMETIC RESULTS, AND PATIENT SATISFACTION FOLLOWING DELAYED-IMMEDIATE BREAST RECONSTRUCTION

Chao Long, AB\*, Eva Huis In't Veld, BS, Gloria R. Sue, MD, Arhana Chattopadhyay, BS, Gordon K. Lee, MD

### ◆WHERE DO WE LOOK? ASSESSING GAZE PATTERNS IN RECONSTRUCTIVE SURGERY WITH EYE TRACKING TECHNOLOGY

Lawrence Z. Cai, BS\*, John A.M. Paro, MD, Gordon K. Lee, MD, Rahim S. Nazerli, MD

### ◆FAT GRAFTING AND CANCER RISK IN POST-MASTECTOMY BREAST RECONSTRUCTION

Heath Charvet, MD, Hakan Orbay, MD, PhD, Katharine Hinchcliff, MD, David Sahar, MD

### ◆PROCESS OF CARE IN BREAST RECONSTRUCTION AND THE IMPACT OF A DUAL-TRAINED SURGEON

Chris M. Reid, MD\*, Jonathan T. Unkart, MD, Anne M. Wallace, MD

### ◆COMPLICATIONS FOLLOWING TWO-STAGE EXPANDER IMPLANT BREAST RECONSTRUCTION: A CRITICAL ANALYSIS OF OUTCOMES

Beatrice J. Sun, BS, Gloria R. Sue, MD, Gordon K. Lee, MD

### ◆USING MESH TO REINFORCE THE ABDOMINAL WALL IN ABDOMINAL FREE FLAPS FOR BREAST RECONSTRUCTION: IS THERE A BENEFIT? WHAT ARE THE RISKS?

Daniel Sotelo Leon, MS3\*, Rahim S. Nazerli, MD, Gordon K. Lee, MD

### ◆IS POST OPERATIVE INTENSIVE CARE UNIT CARE NECESSARY FOLLOWING CRANIAL VAULT REMODELING (CVR) FOR SAGITTAL SYNOSTOSIS?

Erik M. Wolfswinkle, MD\*, Lori K. Howell, MD, Beina Azadgoli, MS, Artur Fahradyan, MD, J. Gordon McComb, MD, Mark M. Urata, MD, DDS

### ◆COMPARISON OF OUTCOMES OF TOTAL ESOPHAGEAL RECONSTRUCTION WITH SUPERCHARGED JEJUNAL FLAP, COLONIC INTERPOSITION, AND GASTRIC PULL-UP

Anna Luan, MD\*, Cedric L. Hunter, MD, Christopher S. Crowe, MD, Gordon K. Lee, MD, FACS

### ◆OUTCOMES OF SOFT TISSUE RECONSTRUCTION FOR DIAMETRIC LOWER EXTREMITY FRACTURES WITH COMPROMISED VASCULARITY

Daniel J. Gould, MD, Ido Badash, BA\*, Hyuma Leland, MD, Karen Burt, BS, Alexis Rounds, BS, Beina Azadgoli, BS, Nana-Yaw Bonsu, BS, Ketan Patel, MD, Joseph Carey, MD

### ◆SOFT TISSUE RECONSTRUCTION AND SALVAGE OF INFECTED FIXATION HARDWARE IN LOWER EXTREMITY TRAUMA

Hyuma A. Leland, MD\*, Ido Badash, BA, Alexis D. Rounds, BS, Karen E. Burt, BS, Daniel J. Gould, MD, PhD, Geoffrey S. Marecek MD, Ram K. Alluri, MD, Ketan M. Patel, MD, Joseph N. Carey, MD

### ◆DOG BITES IN THE UNITED STATES FROM 1958 TO 2016: A SYSTEMATIC REVIEW

Chad M. Bailey, MD\*, Katherine M. Hinchcliff, MD, Lee L. Q. Pu, MD, PhD

### ◆PRESSURE SORES AND SIRS: UC DAVIS QUALITY IMPROVEMENT INITIATIVE

Nirav B. Patel, MD, MS, JD\* (DR. PATEL RECEIVED A GRANT FOR A TRAVEL SCHOLARSHIP TO ATTEND THE ASAPS MEETING FROM ALLERGAN (VIA ASERF), Ping Song, MD, Abhishek Jairam, BA, Michael S. Wong, MD

### ◆IL-1RA THERAPY FOR ENHANCED WOUND HEALING

David P. Perrault BS\*, Athanasios Bramos, MD, Xingtian Xu, PhD, Gene K. Lee MD, MPH, Songtao Shi, PhD, Alex K. Wong MD, FACS

### ◆THE EFFICACY OF NEGATIVE PRESSURE WOUND THERAPY AND ANTIBIOTIC BEADS IN LOWER EXTREMITY SALVAGE

Karen Burt, BS \*, Ido Badash, BS, Hyuma A. Leland, MD, Alexis Rounds, BS, Ketan M. Patel, MD, Joseph N. Carey, MD

### ◆MANAGEMENT AND REVIEW OF DOG BITE WOUNDS IN ADULTS: A RETROSPECTIVE ANALYSIS AT A LEVEL 1 TRAUMA CENTER

Christine J. Lee, MD \*, Nathan Molina, BS, Raj M. Vyas, MD

# 2017 ANNUAL MEETING PROGRAM - LIST OF PAPERS PRESENTED

◆ **THE IMPACT OF TIMING AND CONCURRENT FRONTO-ORBITAL ADVANCEMENT ON POSTOPERATIVE COMPLICATIONS OF CRANIOSYNOSTOSIS REPAIR IN THE UNITED STATES**  
**Michael G. Brandel**, Peter Abraham, Chris M. Reid, MD, Samuel Lance, MD, Hal Meltzer, MD, Amanda A. Gosman, MD

◆ **NASAL LINING FLAPS FOR CLOSURE OF THE NASAL FLOOR IN UNILATERAL AND BILATERAL CLEFT LIP AND PALATE REPAIRS REDUCES THE RATE OF ALVEOLAR FISTULA FORMATION**  
**Paul Mittermiller, MD**, Harleen Sethi, BS, Peter Lorenz, MD, Rohit K. Khosla, MD

◆ **THE MECHANICAL ENVIRONMENT MODULATES LYMPHATIC TUBE FORMATION IN VITRO**  
**Gene K. Lee, MD, MPH**, David Perrault, BS, Yi-Chen Wu, MS, Josephine Y. Fang, PhD, Sun Young Park, MS, Bo Han, PhD, Young-Kwon Hong, PhD, Alex K. Wong MD, FACS

◆ **REALSELF: AN ANALYSIS OF PATIENT REPORTED OUTCOMES OF SATISFACTION WITH SURGICAL AND NONSURGICAL PROCEDURES OVER 5 YEARS**  
**David Nguyen, MD**, Subhas Gupta, MD, CM, PhD, FRCSC, FACS

◆ **THE IMPACT OF RESIDENTS ON PATIENT SATISFACTION**  
**Sean S. Li, MD**, Chris M. Reid, MD, Michael G. Brandel, BA, Courtney Johnson, MHA, Marek K. Dobke, MD, PhD, Amanda A. Gosman, MD

◆ **SOCIAL MEDIA AND THE PLASTIC SURGERY PATIENT**  
**Alexander Li, BS1**, Sarah Sorice, MD1, Gerom Gilstrap, MD1, Francisco Canales, MD2, Heather Furnas, MD, 1,2  
(1) Stanford University & (2) Plastic Surgery Associates of Santa Rosa

◆ **THE ONE-STAGE PENILE INVERSION VAGINOPLASTY FOR MALE-TO-FEMALE TRANSGENDER PATIENTS: A SINGLE CENTER PERSPECTIVE ON SURGICAL APPROACH, COMPLICATIONS AND PATIENT SATISFACTION**  
**Thomas Satterwhite, MD**, Austin Remington, BS, Jonathan Massie, BS

◆ **QUANTIFYING THE PSYCHOSOCIAL BENEFITS OF GENDER-AFFIRMING SURGERY WITH PATIENT REPORTED OUTCOMES: THE SAN FRANCISCO TRANSGENDER SURVEY (SFTS)**  
**Andre Alcon, MD**, Eric Wang, MD, Rachel Lentz, MD, Natnaelle Admassu, BS, Kelsey Loeliger Mphil, Merisa Piper, MD, Esther Kim, MD

◆ **THE INFLUENCE OF AGE ON FREE TISSUE TRANSFER PROCEDURE OUTCOMES**  
**Kevin T. Jubbal, BS**, Dmitry Zavlin, MD, Ahmed Suliman, MD

## CLINICAL/PEARLS PAPERS

### SCOPE OF PRACTICE PAPERS

- 1) **WHAT IS THE BIGGEST PROBLEM IN PLASTIC SURGERY? A REVIEW FROM INTERVIEWS WITH 234 ACADEMIC PLASTIC SURGEONS**  
**Travis Joseph Miller, MD**
- 2) **PLASTIC SURGEON WANNABES: DANGER OF NON-CORE AESTHETIC PROVIDERS**  
**Nirav Patel, MD, MS, JD**  
Demetrius Coombs, BS & Lee L.Q. Pu, MD, PhD, FACS
- 3) **HOW TO WEED OUT PRICE SHOPPERS AND TIRE KICKERS!**  
**Jonathan Kaplan, MD, MPH**
- 4) **INFORMATION SOURCES IN PLASTIC SURGERY DECISION-MAKING**  
**Nisha Parmeshwar, BS**, Chris M. Reid, MD, Michael G. Brandel, BA, Marek K. Dobke, MD & Amanda A. Gosman, MD
- 5) **A LONGITUDINAL LOOK AT RESIDENT COSMETIC EXPERIENCE**  
**Charlie Chen, MD**, Marek Dobke, MD & Amanda Gosman, MD
- 6) **CAN A TWO-DAY COURSE TEACH ORTHOPAEDIC SURGEONS ROTATIONAL FLAP PROCEDURES?: AN INITIAL EVALUATION OF THE NEPAL SMART COURSE**  
**Joseph Carey, MD**, Devin J. Conway, David Shearer, MD, Michael Terry, MD, Peeyush Dahal, MD, Rishi Bisht, MD, Binod Sherchan, MD, Arjun Lamichhane, MD, Bibek Banskota, MD & Justin Gillenwater, MD
- 7) **THE "AESTHETIC EYE" DOES FORMAL ART TRAINING HELP?**  
**Michael D. Mirmanesh, MD** & Michael S Wong, MD

### BREAST SURGERY PAPERS

- 8) **A CRITICAL ANALYSIS OF OUTCOMES FOLLOWING AUGMENTATION OF AUTOLOGOUS BREAST RECONSTRUCTION**  
**Merisa Piper, MD**, Rachel Lentz, MD, Jacquelyn Withers, MD & Hani Sbitany, MD

- 9) **MASTECTOMY SKIN NECROSIS FOLLOWING BREAST RECONSTRUCTION: A COMPARATIVE ANALYSIS BETWEEN AUTOLOGOUS RECONSTRUCTION AND IMPLANT-BASED RECONSTRUCTION**  
**Beatrice J. Sun, BS**, Gloria R. Sue, MD, Gordon K. Lee, MD

- 10) **PREDICTING THE INCIDENCE OF SURGICAL SITE INFECTIONS AFTER TOTAL SKIN-SPARING MASTECTOMY WITH IMMEDIATE BREAST RECONSTRUCTION**  
**Frederick Wang, MD**, Natalie Hall, BA & Hani Sbitany, MD

- 11) **DIRECT-TO-IMPLANT RECONSTRUCTION AFTER NIPPLE-SPARING MASTECTOMY: IS SINGLE-STAGE ACHIEVABLE? A REVIEW OF 202 CASES**  
**Madeleine Burg, BA**, Wai-Yee Li, MD, Ph.D. & James S. Andersen, MD, FACS

- 12) **A PRIMARY COMPARISON OF PERIOPERATIVE MASTECTOMY COMPLICATIONS BY INDICATION FOR SURGERY**  
**Chris M. Reid, MD**, Michael G. Brandel, BA, Jonathan T. Unkart, MD & Amanda A. Gosman, MD

- 13) **CLASSIFICATION AND MANAGEMENT OF CONGENITAL BREAST ANOMAL**  
**Chinwe Kpaduw, MD**, Anthony Kordahi, MD, Ann Schoenbrunner, MAS & Amanda A. Gosman, MD

### FACE PAPERS

- 14) **USING AUGMENTED REALITY TO REMOTELY TEACH CLEFT SURGERY: BUILDING LONGTERM INTERNATIONAL CAPACITY AND SUSTAINABILITY**  
**Gennaya Mattison, MD** & Raj Vyas, MD

- 15) **DESCRIPTION OF MEXICAN CLEFT SURGEONS EXPERIENCE WITH FOREIGN SURGICAL VOLUNTEER MISSIONS IN MEXICO**  
**Anna Schoenbrunner, MAS**, Kristen Kelley, MAS, Joyce McIntyre, MD, Alicia Sigler, MD & Amanda A. Gosman, MD

- 16) **SURGEON CHARACTERISTICS IMPACTING PRIMARY CLEFT PALATE REPAIR**  
**Chris M. Reid, MD**, Michael G. Brandel, BA, Mathew J Whittaker, BS & Amanda A. Gosman, MD

- 17) **THE QUALITY OF SYSTEMATIC REVIEWS IN HEAD AND NECK MICROSURGERY: PLASTIC SURGERY AND OTOLARYNGOLOGY**  
**Beatrice J. Sun, BS**, Jonathan Tijerina, BS, MA, Rahim S. Nazerali, MD, MHS & Gordon K. Lee, MD

- 18) **"TRANS-FACIAL IMPALING WITH A RAILROAD SPIKE – MANAGEMENT EXPLORED 168 YEARS AFTER PHINEAS GAGE"**  
**Dattesh Dave, MD, MSc**, Clark Chen, MD, Marek Dobke, MD & Ahmed Suliman, MD

### RECONSTRUCTION & CLINICAL PAPERS

- 19) **THE MODIFIED DORSAL NASAL FLAP: REVISITING THE NECESSITY OF THE GLABELLAR EXTENSION (A TECHNICAL NOTE)**  
**David Nguyen, MD**, James Roring, MD & Subhas Gupta, MD, CM, PhD, FRCSC, FACS

- 20) **PREDICTORS OF WOUND INFECTION AFTER SARCOMA RESECTION: AN ANALYSIS OF 117 PATIENTS**  
**David P. Perrault, BS**, Gene K. Lee, MD, MPH, Antoine Lyonel Carre, MD, MPH, Roy Yu, BS, Anmol Chattha, BS, Antoun Bouz, BS, Austin J. Pourmoussa, MA, Maxwell Johnson, MS, Daniel Gardner, BS, Athanasios Bramos, MD, Joseph N. Carey, MD, Lawrence R. Menendez, MD, FACS & Alex K. Wong, MD, FACS

- 21) **TAKE A STEP DOWN THE LADDER, TO PUT YOUR BEST FOOT FORWARD: LIMB SALVAGE WHEN NO FREE FLAP IS ALLOWED. UNCONVENTIONAL OPTIONS FOR SUCCESS IN HIGH RISK VETERANS**  
**Richard Bodor, MD**, Bryan Nguyen, BS, Sarek Shen, BS & Kevin Broder, MD

- 22) **CLINICAL OUTCOMES FOLLOWING LOWER EXTREMITY SOFT-TISSUE RECONSTRUCTION WITH PEDICLE FLAPS: A REVIEW OF 978 CASES**  
**Katharine M. Hinchcliff, MD** & Lee L-Q Pu, MD, PhD

- 23) **PERFORATOR-PLUS SKIN ROTATION FLAP: ANOTHER ALTERNATIVE OPTION FOR SOFT TISSUE COVERAGE OF A LOWER EXTREMITY WOUND**  
**Ping Song, MD** & Lee L.Q.Pu, PhD, MD

- 24) **MECHANICAL PROCESSING OF EMULSIFIED LIPOASPIRATE RESULTS IN A DOSE DEPENDENT UPREGULATION OF STEM CELL MARKERS AND POPULATIONS**  
**Derek A. Banyard, MD, MBA**, Christos N. Sarantopoulos, BS, Ryan S. Chiang, BS, Anna A. Borovikova, MD, Xiaolong Qiu, BS, MS, Garrett A. Wirth, MD, MS Keyianoosh Z. Paydar, MD, Jered B. Haun, PhD, Gregory R.D. Evans, MD & Alan D. Widgerow, MBBCh, MMed