

## PANELS & PRESENTATIONS

### **TITLE: PANEL: LARGE VOLUME FAT GRAFTING TO THE BREAST AND BUTTOCK: SAFETY, PATIENT SELECTION & SURGICAL APPROACH**

**MODERATOR:** Steven R. Cohen, MD

**PANELIST:** Alfredo Hoyos, MD

*This panel will cover safe approaches to large volume fat grafting of the breast and body.*

*At the conclusion of this panel, participants should be able to: 1) Assess and evaluate the various techniques used in large volume fat grafting to the breast & buttocks; 2) Review the current knowledge base in the above areas to improve competence, performance and patient outcomes in large volume fat grafting; and 3) Apply this medical knowledge to improve patient selection for large volume fat grafting & demonstrate safe technique, including subcutaneous fat injection to the buttock.*

### **TITLE: BRODY FAMILY LECTURESHIP**

*The Garry Brody, MD Family Lecture (NON-CME LECTURE)*

**TOPIC: 'TOWN AND GOWN REVISTED'**  
**Jack C. Fisher, MD**

*Some word pairings often appear in opposition, as in 'town versus gown.' Fortunately for all of us who practice this state, the California Society of Plastic Surgeons has stood for and provided a platform for 'Town And Gown.' In a brief reprise of a prior presidential address, Dr. Fisher will cite examples, among them unique efforts by our honoree, Garry S. Brody, MD, to enlist aid from our private sector to address issues germane to the academic sector. (NON-CME LECTURE)*

### **TITLE: PANEL: FACIAL FAT GRAFTING: WHAT HAS WORKED AND WHY IT IS CHANGING THE WAY WE PRACTICE**

**MODERATOR:** Val S. Lambros, MD

**PANELISTS:** Steven R. Cohen, MD, Richard Ellenbogen, MD & Gordon H. Sasaki, MD

*The panelists will discuss the anatomy of the facial fat, facial aging and approaches to facial fat grafting. New techniques and concepts such as injectable tissue replacement, treatment of nasal aging and nanofat will be covered.*

*At the conclusion of this panel, participants should be able to: 1) Describe the anatomic fat compartments of the face and patterns of craniofacial bone aging; 2) Discuss and analyze the safe clinical approaches to fat grafting the face including deep, superficial compartment grafting, pyriform aperture grafting; and 3) Review new approaches to the treatment of nasal aging.*

### **TITLE: PANEL: CURRENT TOPICS IN PLASTIC SURGERY ETHICS**

**MODERATOR:** Jeffrey L. Rosenberg, MD

**PANELISTS:** Christina Delp, Chief of Enforcement, MBC, Dan C. Mills, MD, ASAPS Representative, Emilia Shenian\*, Senior Investigator, MBC & James H. Wells, MD, ABPS Report

*The panelists will discuss and review changes to the ASAPS/ASAPS/ABPS Codes of Ethics and how they relate to California Law governing to the practice of Plastic Surgery and the practice of medicine. The most common ethical complaints will be discussed. A representative of the MBC will discuss the most frequent accusations brought against plastic surgeons.*

*At the conclusion of this panel, participants should be able to: 1) Assess changes to ASAPS/ASAPS/ABPS Codes of Ethics and how they apply to your practice; 2) Review the causes of most ethical complaints; and 3) Determine the most common complaints against plastic surgeons with the MBC.*

### **TITLE: PANEL: ADVENTURE AND HAPPINESS: ON AND OFF THE PLANET EARTH (NON-CME LECTURE)**

**SPEAKERS:** Daniel Bursch  
Sharon Yencharis

*Dan Bursch will share his adventures as an astronaut spending a total of 227 days off the planet Earth, as Sharon Yencharis shares parts of her mathematical formula for happiness. We all face many challenges on Earth, all the while striving to maintain balance in our personal and professional lives. Sharon has a unique way of showing how we can find happiness in our lives by examining how we interact with the people and situations around us. As Dan shares unique views from space, Sharon will share unique perspectives on how our language shapes us on and off the planet. (NON-CME LECTURE)*

### **TITLE: PANEL: VAGINAL REJUVENATION**

**PANELISTS:** Jennifer L. Walden, MD  
Gary J. Alter, MD

*This panel will cover the techniques involved in surgical labiaplasty and vaginal rejuvenation, as*

*well as the nonsurgical modalities that are currently available for vaginal rejuvenation to treat laxity, sexual function, stress urinary incontinence, and external appearance. Panelists will present on the technical aspects of surgical rejuvenation of the female genitalia, and their experience in their practice with the noninvasive vaginal rejuvenation devices.*

*At the conclusion of this panel, participants should be able to: 1) Review and become more familiar and well-versed with the noninvasive vaginal rejuvenation device technology on the market and the results that may be expected and achieved vs. limitations of such technology; 2) Discuss and have increased knowledge concerning the procedures of surgical labiaplasty and vaginal rejuvenation and the technical aspects for these procedures; and 3) Describe how to successfully integrate the above into the plastic surgeon's practice.*

### **TITLE: PANEL: UPDATE ON BREAST AUGMENTATION: TRENDS, TIPS AND TECHNIQUES**

**MODERATOR:** Ahmed S. Suliman, MD

**PANELISTS:** Ashkan Ghavami, MD, Dan C. Mills, MD & Jennifer L. Walden, MD  
*Breast augmentation remains as of the most popular cosmetic procedures worldwide. Last year in the US there were over a quarter million breast augmentations performed according to the American Society of Plastic Surgeons (ASPS 2017 Plastic Surgery Statistics report). With the availability of overwhelming types of implants and cohesivities, and the availability of adjunctive procedures such as mastopexy and fat grafting and with the modification of techniques there is increased desire by Plastic Surgeons on refining techniques and optimizing outcomes. Due to a wealth of increasing information, this panel will cover patient selection to optimize outcomes in breast augmentation, implant selection to optimize outcomes in breast augmentation, optimal techniques for augmentation mastopexy, the role of autologous fat grafting as an adjunct to breast augmentation, and how to manage patient expectations*

*At the conclusion of this panel, participants should be able to: 1) Identify which patients are good candidates for an Augmentation Mammoplasty; 2) Identify how to select implants for successful breast augmentation; and 3) Identify surgical strategies for successful breast augmentation by minimizing complications and maximizing results.*

## INSTRUCTIONAL COURSES

### **1) HI DEF LIPOSCULPTURE TECHNIQUE**

**INSTRUCTOR:** ALFREDO HOYOS, MD

*From a physique standpoint, the majority of people desire that lean athletic look. In this course we are going to talk about a new technique that is allowing men and women achieve that desired state of physical perfection.*

*VASER HI-DE, also known as, 4D LIPO is a precise surgery that reshapes the patient's body to get exactly the desired results. What distinguishes the VASER Lipo procedure is its ability to differentiate between eliminating fat and other important tissues (such as nerves, blood vessels, and connective tissue). A technique that accentuates the appeal of the female and male abdomen and some other key areas such as the derriere, waist, and buttock.*

*At the conclusion of this course, the participants should be able to: 1) Review the technologies and special instruments needed for the procedure; 2) Discuss the technique including the key points, safety measures, and complications avoidance; & 3) Discuss the advanced techniques of the differential grades of hi definition.*

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

### **3) SURGICAL AND NONSURGICAL REJUVENATION OF THE FEMALE GENITALIA**

**INSTRUCTOR:** JENNIFER L. WALDEN, MD

*Brief Description: The goal of this course is to enable the plastic surgeon already possessing a basic familiarity with genital plastic/cosmetic procedures to feel more comfortable proceeding in this new subspecialty. We will go over predictable and safe techniques for different labial procedures for labiaplasty, and modifications of these techniques necessary to deal with individual anatomic variations. Modification of labiaplasty including reduction of redundant clitoral hood and/or hypertrophic posterior commissure tissue, surgical and non-surgical techniques for labia majora reduction, and the understanding of reproducible techniques for anatomic vaginal tightening / cosmetic perineoplasty will also be reviewed. Experience with and efficacy of the noninvasive vaginal rejuvenation devices will also be discussed including current clinical research on them by the presenter.*

*At the conclusion of this course, participants should be able to: 1) Identify indications and physical findings that women commonly present with for surgical vaginal rejuvenation and/ or*

**PAPERS PRESENTED**

**IMPROVED AESTHETIC OUTCOMES AFTER CLEFT LIP REPAIR WITH THE ANATOMIC SUBUNIT REPAIR COMPARED TO THE ROTATION ADVANCEMENT REPAIR**  
Joseph Baylan, MD, Paul A. Mittermiller, MD, Dana Johns, MD & Rohit K. Khosla, MD

**A COMPARISON OF INTRACRANIAL VOLUMES IN NORMAL PATIENTS AND PATIENTS WITH METOPIC CRANIOSYNOSTOSIS**

Brendan J. Cronin, BA, Michael G. Brandel, BA, Taylor M. Buckstaff, BA, Gabrielle Cahill, BS, Emily Mannix, BS, Ryan McKee, BS, Parisa Oviedo, BS, Asra Hashmi, MD, Chris M. Reid, MD, Samuel Lance, MD, Hal Meltzer, MD & Amanda A. Gosman, MD

**INTRACRANIAL VOLUMES OF HEALTHY CHILDREN IN THE FIRST 3 YEARS OF LIFE: AN ANALYSIS OF 270 MRIS**

William Zhu, BA, Michael G. Brandel, BA, Asra Hashmi, MD, Chris M. Reid, MD, Samuel Lance, MD & Amanda A. Gosman, MD

**VIRTUAL SURGICAL PLANNING DECREASES OPERATIVE TIME FOR ISOLATED SINGLE SUTURE AND MULTI-SUTURE CRANIOSYNOSTOSIS REPAIR**

Joseph M. Baylan, MD, Tom Andrew, MD, Paul A. Mittermiller, MD, Dana N. Johns, MD & H. Peter Lorenz, MD

**ALLOPLASTIC CRANIOPLASTY RECONSTRUCTION: A SYSTEMATIC REVIEW COMPARING OUTCOMES WITH TITANIUM MESH, POLYMETHYL METHACRYLATE, POLYETHER ETHER KETONE, AND NORION IMPLANTS IN 5,320 PATIENTS**

Jeremie D. Oliver, BS, BA, Joseph Banuelos, BA, Abu-Ghname Amjed, MD, Krishna Vyas, MD, PhD, MHS & Basel Sharaf, MD, DDS

**CAN HEAD CIRCUMFERENCE BE USED AS A PROXY FOR INTRACRANIAL VOLUME IN PATIENTS WITH CRANIOSYNOSTOSIS?**

Asra Hashmi, MD, Brendan J. Cronin, MS, Michael Brandel, MS, Gabrielle L. Cahill, MS, Michelle Zalana, MD, Taylor M. Buckstaff, MS, Greta Davis, MS, Alex Beletsky, MS, Raeda Taj, MBBS, Daniel Vinocur, MD, Samuel Lance, MD, Hal Meltzer, MD & Amanda A. Gosman, MD

**A STUDY TO EVALUATE CHANGE IN VENTRICULAR VOLUME OBTAINED BY CRANIAL DISTRACTION FOR CRANIOSYNOSTOSIS**

Asra Hashmi, MD, Michelle Zalana, MD, Gabrielle L. Cahill, MS, Michael Brandel, MS, Daniel Vinocur, MD, Samuel Lance, MD, Hal Meltzer, MD & Amanda A. Gosman, MD

**10-YEAR SINGLE INSTITUTION EXPERIENCE WITH FREE FLAP RECONSTRUCTION IN COMPLEX, EXTENDED ORBITAL EXENTERATIONS**

Audrey B. Nguyen, MD, Kelsey B. Loeliger, BS, Andre W. Alcon, MD, Eric D. Wang, MD, Michael C. Holland, MD, William Y. Hoffman, MD, Ivan H. El-Sayed, MD & Esther A. Kim, MD

**WHERE DO WE LOOK? ASSESSING GAZE PATTERNS IN COSMETIC FACELIFT SURGERY WITH EYE TRACKING TECHNOLOGY**

JEFFREY KWONG, BS, Lawrence Cai, BS, David Kahn, MD, Gordon Lee, MD & Rahim Nazerali, MD

**HISTOLOGICAL ANALYSIS OF PORCINE MESOTHELIUM WRAPPED DICED CARTILAGE GRAFTS FOR RHINOPLASTY**

David P. Perrault, BS, Athanasios Bramos, MD, Gene K. Lee, MD, Sofia Bougioukli, MD, Jay R. Lieberman, MD, Alexander N. Fedenko, MD, PhD, Jay W. Calvert, MD, & Alex K. Wong, MD, FACS

**OUTCOMES IN FACIAL FEMINIZATION SURGERY FOR MALE-TO-FEMALE TRANSGENDER PATIENTS: A PROSPECTIVE INTERNATIONAL MULTI-INSTITUTIONAL APPROACH**

Thomas S. Satterwhite, MD, Shane D. Morrison, MD, David C. Ludwig, DDS, Jeffrey B. Friedrich MD, FACS, Jonathan P. Massie, MD, Daniel Simon, MD, Raul J. Bellinga, MD, & Anabel Sanchez-Garcia, MD, Fermin Capitan-Canadas, MD, Luis Capitan, MD, Michael Sorkin, MD & Paul S. Cederna, MD

**AUTOMATED OBJECTIVE ASSESSMENT OF FACIAL AESTHETIC PROCEDURES USING MACHINE LEARNING**

Daniel Gould, MD, PhD, Akash Chandawarkar, MD, W. Grant Stevens, MD, Navin Singh, MD & Chevy Chase, MD

**GLUTEAL AUGMENTATION COMPLICATION RATES FOR AUTOLOGOUS FAT GRAFTING, IMPLANTS, AND LOCAL FLAPS**

Derek B. Asserson, BS, Andrea Kulinich, Hakan Orbay, MD, PhD, & David E. Sahar, MD

**A CROWDSOURCING-BASED ASSESSMENT OF THE IDEAL AESTHETIC THIGH AND IMPLICATIONS FOR GLUTEAL FAT GRAFTING**

Emma Vartanian, MD, Daniel Gould, MD, Beina Azadgoli, BA, Luis H. Macias, MD & Grant W. Stevens, MD

**THE IDEAL IMPLANT - SEVEN-YEAR CLINICAL TRIAL RESULTS**

Terry Zimmerman, MD & Robert Hamas, MD

**A MATCHED-PAIR ANALYSIS OF PREPECTORAL VS. SUBPECTORAL BREAST RECONSTRUCTION**

Sarah Sorice, MD, Austin Remington, MD, Geoffrey Gurtner, MD, Dung Nguyen, MD & Arash Momeni, MD

**DECREASED PHYSICIAN OPPORTUNITY COST ASSOCIATED WITH ADM-ASSISTED BREAST RECONSTRUCTION**

Christine J. Lee, MD, Donald S. Mowlds, MD (first author), MBA, David A. Daar, MD, MBA; Garrett A. Wirth, MD, MS, FACS\*\* & Keyianoosh Z. Paydar, MD, FACS\*\*Co-senior authors

**A SYSTEMATIC REVIEW AND META-ANALYSIS OF MICROPATTERNING: PATHOPHYSIOLOGY, AND MORBIDITY IN PROSTHETIC IMPLANTS**

Orr Shauly, MS, Daniel J. Gould, MD, & Ketan M. Patel, MD

**BREAST AUGMENTATION IN MALE-TO-FEMALE TRANSGENDER PATIENTS: TECHNICAL CONSIDERATIONS AND OUTCOMES**

Travis J. Miller, MD, Stelios C. Wilson, MD, Shane D. Morrison, MD, Jonathan P. Massie, MD & Thomas Satterwhite, MD

**OPTIMIZING NIPPLE POSITION IN FEMALE-TO-MALE GENDER AFFIRMING CHEST SURGERY: TECHNICAL AND AESTHETIC CONSIDERATIONS**

Christina Yi, MD, Rachel Lentz, MD, Eric Wang, MD, Andre Alcon, MD, Ly Vy, BA & Esther Kim, MD

**IN-VITRO AND IN-VIVO ANALYSIS OF SEEDED HYDROGEL FOR WOUND HEALING**

Daniel Leon, BS, Tokoya Williams, MD, Austin Franklin, BA, Jacinta Leyden, BS, Yukitoshi Kaizawa, MD, PhD, Zhen Wang, MD, James Chang, MD & Paige Fox, MD, PhD

**EFFECTS OF VENOUS THROMBOEMBOLISM ON LOWER EXTREMITY SALVAGE**

Ido Badash, BA, Karen Burt, BS, Hyuma Leland, MD, Daniel J. Gould, MD, PhD, Alexis Rounds, BS, Ketan Patel, MD & Joseph Carey, MD

**ANATOMIC BASIS OF THE GASTROEPLOIC VASCULARIZED LYMPH NODE TRANSFER: A RADIOGRAPHIC EVALUATION USING COMPUTED TOMOGRAPHY ANGIOGRAPHY (CTA)**

Anna C. Howell, MD, Daniel J. Gould, MD, PhD, Cory Mayfield, BS, Kamran Samakar, MD, Cameron Hassani, MD, & Ketan M. Patel, MD

**ABDOMINAL WALL RECONSTRUCTION OF COMPLEX CHEVRON INCISIONS (RESIDENT COMPETITION PAPER - UCI)**

Adam Hauch MD, MBA, Angela Volk, MD, Monica Farrulla, MD, David Mango, MD, & Joseph F. Buell MD, MBA, FACS

**ASSESSMENT OF HEALTH-RELATED QUALITY OF LIFE AFTER VENTRAL HERNIA REPAIR WITH BIOLOGIC AND SYNTHETIC MESH**

Shawn Moshrefi, MD, Dominic Henn, MD, Andreas T. Nissen, MD, & Gordon K. Lee, MD, FACS

**THE MANAGEMENT OF COSMETICALLY CHALLENGING FACIAL CONGENITAL MELANOCYTIC NEVI**

Erik M. Wolfswinkel, MD, Artur Fahradyan, MD, Michaela Tsuha, BS, John F. Reinisch, MD, William Magee III, MD, DDS, Jeffrey A. Hammoudeh, MD, DDS, Mark M. Urata, MD, DDS, & Lori K. Howell, MD

**MANAGEMENT MODALITIES AND OUTCOMES FOLLOWING ACUTE SCAPHOID FRACTURES IN CHILDREN: A QUANTITATIVE REVIEW AND META-ANALYSIS**

Pauline Joy F. Santos, MD, Ashkaun Shaterian, MD, Christine Lee, MD, Gregory R.D. Evans, MD, & Amber Leis, MD

**A COMPARATIVE ANALYSIS OF RHBMP-2/DBM VS. ICBG FOR SECONDARY ALVEOLAR BONE GRAFTS IN PATIENTS WITH CLEFT LIP AND PALATE: REVIEW OF 501 CASES**

**(RESIDENT COMPETITION PAPER - USC)**

**Daniel Gould, MD**, Jeffrey A. Hammoudeh, MD, Artur Fahradyan, MD, Fan Liang, MD, Thomas Imahiyerobo, MD, Leo Urbinelli, MD, William Magee, MD, Stephen Yen, MD, & Mark M. Urata, MD

**PATIENT-CENTERED OUTCOMES FOLLOWING SALVAGE OF THE TRAUMATIZED LOWER EXTREMITY**

**Ido Badash, BA**, Karen E. Burt, BS, Hyuma A. Leland, MD, Daniel J. Gould, MD, PhD, Alexis Rounds, BS, Jennifer Kim, BS, Ketan M. Patel, MD, & Joseph N. Carey, MD

**LESS IS MORE IN CONGENITAL AND PEDIATRIC NASAL LESION RESECTION AND RECONSTRUCTION**

**Erik M. Wolfswinkel, MD**, Artur Fahradyan, MD, Michaela Tsuha, BS, Lori K Howell, MD, Jeffrey Hammoudeh, MD, DDS, Mark M. Urata, MD, DDS, & William Magee, MD, DDS

**IMPLANT AUGMENTATION OF ABDOMINALLY BASED BREAST RECONSTRUCTION**

**Rachel Lentz, MD**, Merisa Piper, MD, & Hani Sbitany, MD

**MASTECTOMY PREOPERATIVE WEIGHT LOSS IS A PROXY FOR EXPECTATIONS IN BREAST RECONSTRUCTION**

**(RESIDENT COMPETITION PAPER - LLU)**

**Nicolas Roney, MD**, Kevin T Jubbal, MD, Dmitry Zavlin, MD, Michael E Hill, MD, PhD, & Subhas Gupta, MD, PhD

**OBESITY LOWERS PATIENT REPORTED OUTCOMES (PROS) IN IMPLANT-BASED, BUT NOT AUTOLOGOUS BREAST RECONSTRUCTION: A MASTECTOMY RECONSTRUCTION OUTCOMES CONSORTIUM (MROC) STUDY**

**Dhivya R. Srinivasa, MD**, Mark W. Clemens, MD, Ji Qi, MS, Jennifer B. Hamill, MPH, Hyungjin M. Kim, ScD, Andrea L. Pusic, MD MHS, Steven J. Kronowitz, MD, Edwin G. Wilkins, MD, MS, Charles E. Butler, MD, & Patrick B. Garvey, MD

**POSTOPERATIVE PATHWAY ASSOCIATED WITH SHORTER LENGTH OF STAY AFTER FREE AUTOLOGOUS BREAST RECONSTRUCTION**

**(RESIDENT COMPETITION PAPER - STANFORD)**

**Danielle H. Rochlin, MD**, Daniel Sotelo Leon, MS, Rahim Nazerali, MD, & Gordon K. Lee MD

**PREPECTORAL BREAST RECONSTRUCTION: A SAFE OPTION FOR THE MODERN AGE (RESIDENT COMPETITION PAPER - UCSF)**

**Rachel Lentz, MD**, Clara M. Gomez-Sanchez, MD, & Hani Sbitany, MD

**INTERIM ANALYSIS OF A RANDOMIZED, DOUBLE-BLINDED, PLACEBO-CONTROLLED TRIAL: USE OF TRANSVERSUS ABDOMINIS PLANE (TAP) BLOCK IN PATIENTS UNDERGOING BREAST RECONSTRUCTION WITH ABDOMINAL FREE FLAP**

**Jeffrey W. Kwong, BS**, Jonathan Tijerina, MA, Sara Choi, BA, Afaaf Shakir, MD, & Gordon K. Lee, MD

**PROVIDER VOLUME IN MICROSURGICAL BREAST RECONSTRUCTION**

**(RESIDENT COMPETITION PAPER - UCSD)**

**Chris M. Reid MD**, Michael G. Brandel BA, Alexander Beletsky BA, Fernando A. Herrera MD, & Ahmed S. Suliman MD

**THE USE OF POST-SURGICAL DRAINS IN BREAST REDUCTIONS: A SINGLE SURGEON EXPERIENCE**

**(RESIDENT COMPETITION PAPER - UC DAVIS)**

**Ping Song, MD**, Tiffany Wong, & Michael Wong, MD

**MICROSURGICAL RECONSTRUCTION OF THE SMILE: A CRITICAL ANALYSIS OF OUTCOMES**

**Gloria R. Sue, MD** & Oscar H. Ho, MD

## CLINICAL/PEARLS PAPERS

### BREAST SURGERY PAPERS

- 1) **CREATING A MORE BEAUTIFUL FIGURE - THE BAUS MASTOPEXY**  
**Richard Sean McNally, MD, PhD\*** & Mark Kobayashi, MD
- 2) **THE UN-WISE PATTERN BREAST REDUCTION: INCORPORATING THE PREEXISTING SUPEROMEDIAL SCAR**  
**Emelyn Magtanong\***, David Nguyen, MD & Hahns Kim, MD

- 3) **TWO STAGE BREAST RECONSTRUCTION WITHOUT THE NEED FOR TISSUE EXPANDERS**  
**Jeff Chang, MD**, Kirk Churukian, MD, Barry Press, MD & Gaeton Nola, MD
- 4) **PUBLIC INTEREST IN BREAST PROCEDURES: ANALYSIS OF GOOGLE TRENDS DATA**  
**Jonathan Tijerina, BS, MA\***, Shane D. Morrison, MD, MS, Rahim Nazerali MD, MHS & Gordon Lee, MD
- 5) **EARLY EXPERIENCE WITH THE "BUTTONHOLE" MODIFICATION OF THE "DOUBLE-INCISION" TECHNIQUE IN GENDER-AFFIRMING MASTECTOMIES**  
**Kara A. Rothenberg, MD\***, Winnie Tong, MD & Karen M. Yokoo, MD
- 6) **CORRECTION OF BREAST ANIMATION DEFORMITY WITH IMPLANT POCKET CHANGE AND COMPLETE ACELLULAR DERMAL MATRIX COVERAGE**  
**Rachel Lentz, MD\***, Clara Gomez-Sanchez, MD, Merisa Piper, MD & Hani Sbitany, MD
- 7) **PERSISTENT LOWER EXTREMITY VENOUS STASIS AFTER AUTOLOGOUS ABDOMINAL BASED BREAST RECONSTRUCTION MAY WARRANT EXTENDED VENOUS THROMBOEMBOLISM CHEMOPROPHYLAXIS**  
**Sarah C. Sorice, MD\***, Alexander Y. Li, MD, MS, Dung H. Nguyen, MD, Derrick Wan, MD, Christopher Pannucci, MD & Arash Momeni, MD
- 8) **HYBRID PREPECTORAL BREAST RECONSTRUCTION - COMBINING THE BENEFITS OF IMPLANT-BASED AND MICROSURGICAL RECONSTRUCTION**  
**Sarah Sorice, MD\***, Suhail Kanchwala, MD & Arash Momeni, MD
- 9) **THE INFLUENCE OF PATIENT EXPOSURE TO BREAST RECONSTRUCTION APPROACHES, EDUCATION AND INFORMED CHOICE OF BREAST CANCER TREATMENT MADE IN DIVERSE AND DISPARATE POPULATION.**  
**Marek Dobke, MD \***, Brittany Yee, MD, Gina - Alicia Mackert, MD, William Y. Zhu, BA & Sarah Blair, MD
- 10) **FAT GRAFTING OF THE RADIATED BREAST FOR TWO-STAGE PROSTHETIC RECONSTRUCTION: SINGLE SURGEON OUTCOME**  
**Matthew R. Zeiderman, MD\*** & David E. Sahar, MD

### CRANIO & CLEFT PAPERS

- 11) **ASSESSING THE FISHER, MILLARD, AND MOHLER TECHNIQUES OF CLEFT LIP REPAIR SURGERY WITH EYE TRACKING TECHNOLOGY**  
**Jeffrey Kwong, BS\***, Lawrence Cai, BS, Rohit Khosla, MD, Gordon Lee, MD & Rahim Nazerali, MD
- 12) **EFFECT OF VASCULAR COMORBIDITIES ON MEDIAL SURAL ARTERY PERFORATOR FLAP ANATOMY**  
**Julia A. Cook, MD\***, Sarah E. Sasor, MD, Tyler A. Evans, MD, Stephen P. Duquette, MD, William A. Wooden, MD, Sunil S. Tholpady, MD, PhD, Michael W. Chu, MD
- 13) **CLEFT WIDTH RATIO AND PALATAL LENGTH: A SIMPLE, PROGNOSTIC SEVERITY SCALE FOR CLEFT PALATE**  
**Caroline Yao, MD, MS\***, Meghan McCullough, MD & William P. Magee III, MD, DDS
- 14) **TRENDS IN ALVEOLAR BONE GRAFTING AND THE USE OF RECOMBINANT BONE MORPHOGENIC PROTEIN (RHBMP) IN THE UNITED STATES**  
**Melissa Kanack, MD\***, Daniel Jaffurs, MD, PhD, Lauren Tracy, MD & Vincent Laurence, MD

### HAND & WOUND PAPERS

- 15) **THE OPPORTUNITY COST OF RESIDENT INVOLVEMENT IN ACADEMIC HAND SURGERY**  
**William Y. Zhu, BA\***, Alexander Beletsky, BA, Anthony Kordahi, MD, Christopher Reid, MD, Kilian Burke, BS, Michael G. Brandel, BA, Ahmed Suliman, MD & Fernando Herrera, MD
- 16) **DISTAL SCAPHOID EXCISION IN TREATMENT OF SYMPTOMATIC SCAPHOID NON-UNION: SYSTEMATIC REVIEW AND META-ANALYSIS**  
**Cory Mayfield, BS\***, Marie Dusch, MD, Daniel Gould, MD, PhD & Amir Mostofi, MD
- 17) **VITAMIN A THERAPY FOR STEROID-INHIBITED WOUNDS: REVISITING THE LEVEL OF EVIDENCE**  
**Christopher A. Bobbitt, MD\***, J. Byers Bowen, MD & Rajiv Chandarwarkar, MD
- 18) **COMPARISON OF WOUND STRENGTH, HISTOLOGIC, AND AESTHETIC OUTCOMES AFTER MICROSURGICAL VERSUS CONVENTIONAL SKIN CLOSURE IN A RAT MODEL**  
**Katharine M. Hinchcliff, MD\***, Timothy Orłowski, MD, Hakan Orbay, MD, PhD,

**19) EYE VERSUS SPY: USE OF INTRAOPERATIVE FLOURESCENCE IMAGING TO DETERMINE DEBRIDEMENT LIMITS IN ACUTE DEGLOVING INJURIES.**  
**CHRISTOPHER A. BOBBITT, MD\***, Samuel E. Salcedo, MD & Subhas C. Gupta, MD, PhD, FRCSC, FACS

**20) BILATERAL CONGENITAL VOLKMANN ISCHEMIC CONTRACTURE- CASE REPORT AND SYSTEMATIC REVIEW OF THE LITERATURE**  
**Kerry-Ann Mitchell, MD, PhD\***, Ibrahim Khansa, MD, Edward Nahabet, MD & Mitchel Seruya, MD

**21) MAXIMIZING FULL THICKNESS DONOR SKIN IN LARGE TBSA PEDIATRIC BURN RECONSTRUCTION: USING EXCISED SCARS AS DONOR SKIN DURING TISSUE EXPANDER RESURFACING**  
**Shaili Gal, MD**, Victoria Owens, FNP & Hugh Vu, MD, MPH, FACS

**RECONSTRUCTION & CLINICAL PAPERS**

**22) DIVERSITY IN PLASTICS TRAINEES: AN EVALUATION OF MINORITY TRENDS IN APPLICANTS AND RESIDENTS TO INDEPENDENT AND INTEGRATED PLASTIC SURGERY FROM 2010-2016**  
**Nisha Parmeshwar, BS\***, Emelia Stuart, BS, Chris M. Reid, MD, Andrew J.Park, BA & Amanda A. Gosman, MD

**23) DEVELOPMENT AND IMPLEMENTATION OF AN ENHANCED RECOVERY PROTOCOL TO IMPROVE OUTCOMES IN A SURGICAL SUBSPECIALTY**  
**Jeremy Kubiak, BS\***, Tyler Frew, MD & Subhas Gupta MD, CM, PhD, FRCSC, FACS

**24) RECENT AND HISTORICAL TRENDS IN FDA REGULATION OF AESTHETIC DEVICES**  
**Daniel Gould, MD PhD\***, Akash Chandawarkar, MD, Ziyad Hammoudeh, MD, Phillip Dauwe, MD, Luis H. Macias, MD, FACS & W. Grant Stevens, MD

**25) CONTEMPORARY MANAGEMENT OF ALOPECIA, A SYSTEMATIC REVIEW AND META-ANALYSIS FOR SURGEONS**  
**Jacqueline Stoneburner, BS\***, Daniel Gould, MD, PhD, Joseph Carey, MD & Ketan Patel, MD

**26) ILLICIT SILICONE INJECTIONS IN TRANSGENDER WOMEN: AN INCREASINGLY VISIBLE HAZARD**  
**SMITA MASCHARAK, BS\***, Philip S. Brazio, MD & Edward Ray, MD, FACS

**27) NEW INNOVATION FOR PROJECTED FLAP DESIGN**  
**Lohrasb Sayadi, MD \***, Mustafa Chopan, MD, Kevin Maguire, MD, FACS, Derek Banyard, MD, MBA, Zachery Ehret, BS, Alan Widgerow, MD, FACS & Gregory R.D Evans, MD, FACS

**28) FAT RETENTION RATES FOR VARIOUS METHODS OF AUTOLOGOUS FAT GRAFT HARVEST**  
**Jenna N. Harvestine, BS\***, Heath Chavet, MD & David E. Sahar, MD

**29) EARLY EXPERIENCE WITH BODY CONTOURING PROCEDURES IN PATIENTS WITH END-STAGE RENAL DISEASE (ESRD) AWAITING RENAL TRANSPLANT**  
**Ping Song, MD\***, Yunfeng Xue, MD & Michael S. Wong, MD

**30) RATES OF SEROMA ARE NOT INCREASED WHEN COMBINING LIPOSUCTION WITH PROGRESSIVE TENSION SUTURE ABDOMINOPLASTY: A RETROSPECTIVE COHORT STUDY OF 619 PATIENTS**  
**Daniel Gould, MD, PhD\***, Luis H. Macias, MD, FACS, Ziyad Hammoudeh, MD, Phillip Dauwe, MD, Fouad Saeg, BS & W. Grant Stevens, MD

**31) CHARACTERIZING LOWER EXTREMITY LYMPHEDEMA AND LIPEDEMA WITH CUTANEOUS ULTRASONOGRAPHY AND AN OBJECTIVE COMPUTER-ASSISTED MEASUREMENT OF DERMAL ECHOGENICITY**  
**Cory Mayfield, BS\***, Emily Iker, MD, Daniel Gould, MD, PhD & Ketal Patel, MD

**32) POST-OPERATIVE COMPLICATIONS FOLLOWING COMPLEX SACRECTOMY: INCIDENCE AND RISK FACTORS**  
**Emma D. Vartanian, MD\***, Jeremy Lynn, BA, David Perrault, BA, Erik

Wolfswinkel, MD, Joseph N. Carey, MD, Patrick C. Hsieh, MD, Ketan M. Patel, MD & Alex K. Wong, MD

**33) A NOVEL DESCRIPTION OF BLADDER RECONSTRUCTION UTILIZING THE PEDICLED RECTUS ABDOMINIS FLAP**  
**Sean S. Li, MD\***, Suellen S. Li, BA, Garrick G. Greear, MD, Jill C. Buckley, MD & Ahmed S. Suliman, MD