QUARTERLY RESEARCH MEETING

Division of Plastic, Aesthetic and Reconstructive Surgery

1/20/16
SANJEEV PURI, MD; HAND FELLOW

Article: (in process)

- Case Report: Hunters Syndrome, a rare case of congenital Carpal Tunnel Syndrome with literature review.

Book chapter: (submitted)

- Dupuytrens Disease, Unfavorable Results in Plastic Surgery, Taylor and Francis, ed. Cohen and Thaller, Sanjeev Puri
Article: (in process)

- Firecracker injuries resulting in Mutilated Hands - Case report with literature review.
Book chapters: (submitted)
- 1. Dupuytrens Disease, Unfavorable Results in Plastic Surgery, Taylor and Francis, ed. Cohen and Thaller
- 2. Nipple Reconstruction with Modified S-flaps (with Kiya Gishen)
- 3. Open Carpal Tunnel Release (with Keith Aldrich)

Section Editor:
- Hand Section, Unfavorable Results in Plastic Surgery, Taylor and Francis, ed. Cohen and Thaller

Book editor / Author:
- Tran et al, Operative Dictations in Plastic Surgery

Journals:
- 1: Editor: Journal of Craniofacial Surgery
- 2: Consultant reviewer: Journal of Hand Surgery (Am)

Articles:
Published in last 12 months:

Presentations:
- 1st place award (best research paper) at FSPS for: Curtis B, Panthaki Z Skinless Latisissimus Dorsi Flap – A minimally invasive approach to breast reconstruction.
Book chapters: (submitted)
- 1. Dupuytrens Disease, Unfavorable Results in Plastic Surgery, Taylor and Francis, ed. Cohen and Thaller
- 2. Nipple Reconstruction with Modified S-flaps (with Kriya Gishen)
- 3. Open Carpal Tunnel Release (with Keith Aldrich)

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Journals:
- 1: Editor: Journal of Craniofacial Surgery
- 2: Consultant reviewer: Journal of Hand Surgery (Am)
Current projects

- Quality assurance: Chart review to evaluate reasons impacting length of stay for plastic surgery patients after 5 different routine plastic surgery procedures with Steve Ovadia
- Quality assurance measures for bilateral breast reductions
- Psf grant submitted With Gustavo Rubio
- The difficult resident – survey of surgery programs With Brian Simmons

Submitted projects this year

- Business of plastic surgery – submitted to aesthetic plastic surgery
- History of plastic surgery mission trips – submitted to journal of craniofacial surgery
- Nipple reconstruction – 2 chapters in Operative dictations of plastic surgery
Publications:


Research Projects for 2016

- Use of Absorbable GalaFlex Mesh in Direct to Implant Breast Reconstruction in a Porcine Animal Model
- Thermal Effects of Internal Ultrasound on Adipocyte Morphology
- Comparison of Tissue Thermal Effects of 3rd Generation Ultrasound vs 2nd Generation Ultrasound Devices in the Yorkshire Pig
- The Effect of Fenestrations on the Tissue Integration of Acellular Dermal Matrix
Presentations:

- Surgical and Non-Surgical Corrections of Body Contouring Complications. O. Garcia MD-Panel Moderator
- ASPS Aesthetica Aesthetic Surgery Symposium Las Vegas, NV April 2015.
- Abdominoplasty A-Z: Evaluation to Post-operative Management. O. Garcia MD Invited Faculty-Presenter
- ASPS Aesthetica Aesthetic Surgery Symposium, Las Vegas, NV April 2015.
- Advanced Concepts in Ultrasound-Assisted Liposuction. O. Garcia MD Invited Faculty-Presenter
- ASPS Aesthetica Aesthetic Surgery Symposium, Las Vegas, NV April 2015.
- Controversies in Lower Gluteal Contouring. O. Garcia MD Invited Faculty-Presenter
- Southeastern Society of Plastic and Reconstructive Surgeons, Amelia Island, FL June 2015
- The Role of Ultrasonic Liposuction in Excisional Body Contouring Surgery. O. Garcia MD, D Hurwitz MD
- Teaching Course Faculty Annual Scientific Meeting, American Society of Plastic Surgeons, Boston, MA Oct. 2015
- Current Controversies with Breast Implants: Late Seromas and Double Capsules. O Garcia MD Panelist-Presenter
  Annual Scientific Meeting, American Society of Plastic Surgeons, Boston, MA Oct. 2015
- Abdominoplasty A-Z O Garcia MD Presenter-Invited Faculty59th Scientific Meeting, Florida Society of Plastic SurgeonsBoca Raton, FL Dec. 2015

ONELIO GARCIA, JR, MD; VOLUNTARY FACULTY


<table>
<thead>
<tr>
<th>RESEARCH</th>
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<tbody>
<tr>
<td>Prospective evaluation of coagulation changes and postoperative outcomes after bilateral breast reduction</td>
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<tr>
<td>Creation of a hand allotransplantation project in Jackson Memorial Hospital &amp; University of Miami</td>
</tr>
<tr>
<td>SCCC 2009004: A phase I trial assessing the safety and feasibility of prophylactic nipple areola complex (NAC) irradiation after nipple sparing mastectomy and immediate reconstruction in patients with in situ or invasive breast cancer</td>
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<td>Skinless latissimus dorsi flap versus acellular dermal matrix in breast reconstruction after mastectomy.</td>
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Publications this year.

Papers


A few other papers being reviewed.

Book chapters

Grants obtained

1. University of Miami Miller School of Medicine Scientific Awards Committee (SAC) Pilot Study Award: Local anesthetics for neuroprotection prior to nerve transection. Principal Investigator UM SAC
   2015-28R2
   Amount: $10,000

2. AAPS academic scholar grant application $30,000- pending

3. PSRC pilot grant $10,000- pending

Editorial appointments


2. ISRN Orthopedics journal- since 2011


HARVEY CHIM, MD; FACULTY
Editorial Appointments

2. ISRN Orthopedics journal- since 2011

Professional Appointments

2014-2017 Research Management Committee, American Society for Surgery of the Hand (ASSH) Member

2014, 2015 Scientific Peer Reviewer, Congressionally Directed Medical Research Program (CDMRP)- Peer Reviewed Orthopedic Research Program

Invited Lectures

October 2014 ³Surgical Management of Migraine Headaches² Invited Speaker, Miami Society of Plastic Surgeons

January 2015 ³Peripheral nerve research, migraine headaches and tissue engineering- perspectives from a plastic surgeon² - Invited Speaker, Miami Project to Cure Paralysis, University of Miami Miller School of Medicine

January 2015 ³Surgical Management of Migraine Headaches² Invited Speaker, Palm Beach, Society of Plastic Surgeons
BOOK CHAPTERS


CHRISTOPHER SALGADO, MD
FACULTY
Christopher Salgado, MD; Faculty


**PROFESSIONAL EXPERIMENTAL/CLINICAL RESEARCH/GRANTS**

**May, 2015 - present**

- **Co-Investigator** (Study number 15-018), Stromal cell derived factor-1 for peripheral nerve regeneration. University of Miami / Miller School of Medicine/Jackson Memorial Hospital (Miami, Florida ($5,000 pilot grant from VEST fund, Division of Plastic Surgery)

**June, 2014 - present**

- **Principal Investigator** (HSRO Study number: 20130299) AHS.2011.Ulta.04 - A Prospective, Randomized, Multi-Center Trial Evaluating the Effectiveness of the V.A.C. Ulta™ Therapy System with V.A.C. VeraFlo™ Dressing in Operatively Debrided Wounds. University of Miami / Miller School of Medicine, Jackson Memorial Hospital, Miami, Florida ($326,000.00)
CHRISTOPHER SALGADO, MD;

(EDITOR OF BOOK)


CHRISTOPHER SALGADO, MD; FACULTY

INVITED FACULTY / VISITING PROFESSOR / INSTRUCTIONAL COURSES

- Broward Health Transgender Conference – Lecture on Transgender Surgery – Ft. Lauderdale, FL – April, 2015

PRESENTATIONS AT INTER / NATIONAL MEETINGS

- Gasgarth, R., Salgado, C.J., Sanchez, P., Flores, B., and Miller, N.L. Penile to scrotal length ratio and its influence on male attractiveness. IV Congress of Medical Sexology, Miami, FL – October, 2015
- Salgado, C.J., Fernandez, R., Lim, R., Sanchez, P., and Miller, N.L. Clitoromegaly and labia majora autologous fat transfer for treatment of clitoromegaly. IV Congress of Medical Sexology, Miami, FL – October, 2015
- Salgado, C.J., Sputova, K., Caso, J., and Jenkins, L. Buried penis correction with an immediate penile implant placement. IV Congress of Medical Sexology, Miami, FL – October, 2015
- Fein LA, Salgado CJ, Estes CM, Medina CA. Sexual Preferences and Partnerships of Transgender Persons Mid or Post Transition. National Transgender Health Summit, Poster Presentation, Oakland, CA – April 2015
- Fein LA, Estes CM, Salgado CJ. Sexual Preferences and Partnerships of Transgender Women Mid or Post Transition. ISSWSH Annual Meeting, International Society for the Study of Women’s Sexual Health, Oral Presentation, Austin, TX – February 2015
Determining how performance on plastic surgery in-service exam scores correlate to ABPS pass rates

PRS Global Open "Sharpening Your Surgical Skills" video on how to perform safe and successful cleft palate repair
BACKGROUND
1. Obesity is associated with increased susceptibility to bacterial, fungal and viral infections and with poor responses to vaccines
2. Obesity is associated with chronic activation of immune cells and consequent chronic local and systemic inflammation
3. We have previously shown that chronic inflammation negatively regulates immune responses

PURPOSE OF OUR STUDIES
1. Characterize the mechanisms by which fat down-regulates immune responses

OUR PUBLISHED RESULTS
1. Obesity is associated with attenuated influenza vaccine responses
2. Obesity is associated with decreased numbers of anti-inflammatory and increased pro-inflammatory B cell subsets in the peripheral blood and consequent decreased production of the anti-inflammatory cytokine IL-10 and increased production of pro-inflammatory mediators (TNF-α/IL-6/IL-8 and chemokines)
3. Obesity is associated with decreased antibody production in cultured B cells
4. B cells from individuals with obesity support T cell inflammation
5. Obesity increases the expression of senescence-associated pro-inflammatory markers on sorted B cell subsets

RESULTS OBTAINED IN THE COLLABORATION WITH Drs. THALLER and ELLIOT
1. Increased pro-inflammatory B cell subsets in the abdominal and fat adipose tissues versus peripheral blood
2. Adipocytes from both abdominal and breast tissues express mRNA for pro-inflammatory chemokines
3. B lymphocytes from fat express higher levels of chemokine receptors than those from the peripheral blood
TISSUE-ASSOCIATED CHANGES IN THE PERCENTAGES OF B CELL SUBSETS IN BLOOD AND FAT OF 2 YOUNG OBESE INDIVIDUALS
(pro-inflammatory B cell subset in red)
CHEMOKINE RNA EXPRESSION IN HUMAN ADIPOCYTES (top) AND CORRESPONDING CHEMOKINE RECEPTOR EXPRESSION BY B CELLS (bottom)

**Abdominal**

- **Chemokine RNA expression (qPCR data)**
  - IP-10
  - IL-8
  - CCL2
  - CCL5

**Breast**

- **Chemokine RNA expression (qPCR data)**
  - IP-10
  - IL-8
  - CCL2
  - CCL5

- **Chemokine receptor expression (qPCR data)**
  - CXCR3
  - CXCR2
  - CCR2
  - CCR3

**Blood**

- Counts: 29, 4

**Fat**

- Counts: 33, 2

**Breast**

- Counts: 19, 12

**Abdominal**

- Counts: 24, 18

- Counts: 28, 41
Projects:

Prospective evaluation of coagulation changes after bilateral breast reduction

- Determine perioperative coagulation changes in patients undergoing BBR using rotational thromboelastometry (ROTEM). We previously showed that patients undergoing immediate breast reconstruction after breast cancer resection had perioperative increase in hypercoagulability, and this effect was driven by increase in platelet function. We hypothesize that patients undergoing BBR will also have a perioperative increase in hypercoagulability as result of the operation.

- Enroll patients at UMH and JMH (IRB submitted).

- Applied for Plastic Surgery Foundation Pilot Grant under Drs. Thaller and Askari.

Prospective surgical outcomes database for bilateral breast reductions

- Baseline characteristics, perioperative details, and surgical outcomes will be prospectively collected and analyzed.

- Plan to analyze several outcomes including:
  - Effect of routine drain use
  - Effect of electrocautery versus blade dissection on postoperative pain control (including total analgesic use) and return to work time
  - Risk factors for major and minor complications including wound infections, dehiscence, hematoma/seroma, VTE, and patient satisfaction scores (using BreastQ® questionnaire)

- National database projects/ideas:
  - VTE rate and risk factors for several elective plastic surgery procedures (including bilateral breast reductions) using Nationwide Inpatient Sample

- Therapeutic benefits of young donor adipose-derived mesenchymal stem cell in the rescue of fibrosis in an aged mouse model.

- Gustavo A. Rubio, MD, Sharon J. Elliot, PhD, Seth R. Thaller, MD, DMD, Marilyn K. Glassberg, MD
  - Poster presentation at Innovations in Wound Healing Meeting 2015 (Hawks Cay, FL)
  - Manuscript in preparation

- Book chapters submitted:
  - G. Rubio and G. Baker. The Unfavorable Result in Plastic Surgery, 4e: Chemical Peels
  - Gustavo A. Rubio M.D., Christie McGee M.S., and Seth Thaller M.D., F.A.C.S.


GUSTAVO RUBIO, MD; RESEARCH FELLOW
Publications:


- Tashiro, Jun, MD, Gerth, David, MD, Thaller, Seth R., MD, DMD, FACS. Pedicled Flap Reconstruction for Patients with Pressure Ulcers: Complications and Resource Utilization by Ulcer Site. JAMA Surg. Published online, October 14, 2015/jamasurg2015.3228

- Borsting, Emily, BS, Chin, Jimmy, MD, Thaller, Seth R., MD, DMD, FACS. An Updated View of the Integrated Plastic Surgery Match, Annals of Plastic Surgery, Vol 00, Number 00, September 2015

- Dragana Ajdic, PhD; Yasmina Zoghbi, MS; Gerth, David, MD, Thaller, Seth R. MD, DMD, FACS. The Relationship of Bacterial Biofilms and Capsular Contracture in Breast Implants, ASJ-14-0415.R2, July 2015

- Urmen, Desai, MD, Rosaine Roeder, MD, Benjamin Lemelman, MD. Seth R. Thaller, MD, DMD, FACS. Maxillofacial and Ocular Injuries, JCS, July 2015


- Vincent DeGennaro, Jr, MD, MPH, Vincent A. DeGennaro, MD, MS, Marlon Bitar, MD, Jerry Bitar, MD, Seth R. Thaller, MD, DMD, FACS - Building Advanced Surgical Capacity at a Hospital in Port-au-Prince, Haiti, JCS, Vol. 26, June 2015


- Ovadia, Steven, MD, Landy, David C., MD, Cohen, Erin, BS, Yang, Ethan, MS, Thaller, Seth R, MD, DMD, FACS. Local Administration of (beta)-Blockers for Infantile Hemangiomas: A Systematic Review and Meta-Analysis, Annals of Plastic Surgery, Issue: Vol. 74, February 2015

**SETH R. THALLER, MD; DMD; FACULTY, PROFESSOR AND CHIEF**
Clinical Research Update


Plastic Surgery Business Project with Kriya - in submission at Annals of Plastic Surgery

- Pedicle de-epithelization with Renee - awaiting response from ASPS regarding distribution of our survey - have they by any chance emailed you back? If not I am going to give them a call this week.

- Length of stay study with Kriya - we should have a draft sometime in February after absite at the end of this month.
<table>
<thead>
<tr>
<th>Project</th>
<th>Mentor</th>
<th>Student/Resident</th>
<th>Manuscript</th>
<th>Presentation</th>
<th>Journal</th>
<th>Submission Status</th>
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<td>Free vs Pedicled TRAM (NIS)</td>
<td>Thaller</td>
<td>Golpanian</td>
<td>Completed</td>
<td>ASC 2015</td>
<td>JPRAS</td>
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<td>A.Alvarado</td>
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DAVID GERTH, M.D.,
FIRST YEAR RESIDENT
I currently have completed two chapters in Tuan's upcoming Operative Dictations in Plastic Surgery Book. They include Belt Lipectomy and Lower Body Lift.

As far as research paper, I'm working with Jimmy on writing up a way to standardize imaging of the genitalia. Currently we are working on an abstract prior to beginning a literature review and eventually proposing our own standardized way to photograph both male and female genitalia.
Research update:
Defecation Syncope with Cardiac Arrest: A Report of Two Cases
   -- presented at FSPS Dec 13, published in Anaplastology Jan 15 (Dr. Salgado)
Porokeratosis of Mibelli
   -- submitted for publication, needs revision, updated follow-up, and resubmission (Dr. Thaller)
Scarless Latissimus dorsi reconstruction in the irradiated breast
   -- presented at FSPS Dec 15, revising paper for submission (Dr. Panthaki)
Tuan's book: Gracilis wrap for anal incontinence, Posterior thigh flap chapters submitted (Dr. Salgado)

BRYAN CURTIS, MD
CHIEF RESIDENT
- De-epithelialization during reduction mammoplasty (SRT)
- The Use of the Split Lattisimus for Lower Extremity Reconstruction (HC)
- I have also been asked to collaborate with a project with a plastic surgery integrated resident at University of Washington on Plastic Surgery Resident Education in Transgender Care (applying for IRB approval from UW)
Chapters in Operative Dictations book with Tuan Tran:

- Free rectus abdominis myocutaneous flap for lower extremity reconstruction - with Dr. Salgado
- Labiaplasty - with Dr. Salgado
- Paraspinal advancement flap for back reconstruction - with Dr. Askari
- Component separation - with Dr. Askari
- Ultrasound assisted liposuction for gynecomastia - with Dr. Garcia
- Subcutaneous mastectomy with free nipple grafting for gynecomastia - with Dr. Garcia

Currently:

- Resubmitted "Foreign body reactions to gluteal injections" to JPRAS under direction from Dr. Salgado
- Still collecting data for survey for "demographics of gluteal injection complications" under direction of Dr. Salgado
The top abstracts written and presented by plastic surgery residents were also recognized during Plastic Surgery The Meeting in Boston. More than 150 residents submitted abstracts in six categories presented in eight sessions (two sessions were devoted to breast reconstruction and reconstruction/burn/microsurgery).

Moderators for the sessions were Stephen Baker, MD, and Christopher Chia, MD (Aesthetic); Donald Buck, MD, and Kent Higdon, MD (Breast Reconstruction I); Ivo Pestana, MD, and Michele Marshall, MD (Breast Reconstruction II); Debra Becker, MD, and Alex Spiess, MD (Hand); Jesse Goldstein, MD, and Peter Tatum, MD (Maxillofacial/Pediatric); Ian Valero, MD, and Richard Agar, MD (Reconstruction/Burn/Microsurgery I); Chris Campbell, MD, and Hani Sbitany, MD (Reconstruction/Burn/Microsurgery II); Brent Egelend, MD, and David Mathes, MD (Research).

The following were honored as the outstanding resident presentations:

**Classification System for Foreign Body Reaction of the Gluteal Region**
Rebecca Cissell, MD, University of Miami

Marten Basta, MD
Brown University

**Impact of Adjuvant Chemotherapy and Radiation on Inflammatory Response, Neovascularization, and Capsule Formation of Acellular Dermal Matrix in Breast Reconstruction - Analysis of the BREASTrial**


**Biopsy Specimens**
Shaun Mendenhall, MD
Southern Illinois University School of Medicine

**Hand**
Endoscopic Carpal Tunnel Release Simulated Single Center Verification Amongst Hand S Trainees
Steve Kempston, MD
University of Wisconsin

**Maxillofacial/Pediatric**
Age at Time of Surgery and Maintenance Head Size in Nonsyndromic Sagittal Craniosynostosis
Allison Nauta, MD
Oregon Health and Science University

**Reconstruction/Burn/Microsurgery I**
Total Human Eye Allotransplantation (THEATR): Preclinical Cadaveric Studies
Edward Davidson, MA, MBBS

**Reconstruction/Burn/Microsurgery II**
Successful Microvascular Breast Reconstruction in the Hypoestrogenic Patient
Joyce Yuan, MD (co-winner)

Applying the Keystone Design Perforator Island Flap Concept in a Variety of Anatomic Local A Review of 70 Consecutive Cases By a Single Surgeon
Emily Van Kouwenberg, MD (co-winner)

**Research**
Analysis of Structural Integrity and Function in an Orthotopic Whole Eye Transplant Model
Maxine Miller, MD
University of Pittsburgh
- "Visiting Educational Scholarship Training Program at the University of Miami, Miller School of Medicine: A Global Opportunity to Learn." University of Miami. Supervisors: Dr. Seth Thaller, Dr. Christopher Salgado Published in Journal of Craniofacial Surgery (June 2015 Vol 26)

- "Perineal reconstruction after abdominoperineal resection (APR): A retrospective chart review of outcomes comparing primary perineal wound reconstruction and perineal wound reconstruction using a local myocutaneous flap." IRB approved, data collected, now working on analysis and write up. Supervisor: Dr. Askari

- "Outcome of spinal wound closure using a myocutaneous flap in patients who have undergone more than two spinal operations." IRB approved, data collected, now working on analysis and write-up. Supervisor: Dr. Askari
No new publications thus far this year.

Pending peer reviewed publications:
- Use of Gracilis Flap with primary Phalloplasty to decrease post-operative urinary complications, Faculty Mentor: Dr. Salgado, Journal: JPRAS

Pending chapters:
- Use of Gracilis flap in perineal reconstruction, Faculty Mentor: Dr. Salgado
- Repair of NOE fractures, Faculty Mentor: Dr. Thaller
- Complications with Vaginoplasty, Faculty Mentor: Dr. Salgado
Published and/or accepted for publication:

- Variance in the origin of the pectoralis major muscle, Implications for implant-based breast reconstruction. Published in Annals of Plastic Surgery
- An updated view of the integrated plastic surgery match – published in Annals of Plastic Surgery
- Urban myths in plastic surgery: Postoperative management of surgical drains – Accepted for publication in Wounds

NSQIP database projects in progress:

- Gender as a risk factor for panniculectomy complications and readmission: An analysis of 4,341 cases. Under review
- Smoking as a risk factor for wound dehiscence in nipple reconstruction: An analysis of 1,335 cases. Under review

Submitted papers:

- Prelamination of neourethra with uterine mucosa in radial forearm osteocutaneous free flap phalloplasty in the female-to-male transgender. Submitted to the Journal of Sexual Medicine for review.

Operative Dictations in Plastic and Reconstructive Surgery, 9 chapters:

- Collagenase injection and closed release of Dupuytren’s contracture
- Limited fasciectomy
- Dermatofasciectomy
- Trigger finger
- Tenosynovectomy
- Flexor tendon sheath incision and drainage with irrigation for flexor tenosynovitis
- Hand fasciotomy
- Fillet flap (finger)
- Dorsal wrist ganglion cyst excision

Projects in early stages:

- Standardized photography of genitalia
- Facial Masculinization – reviewing literature, in search of operative candidates
Current projects/projects 2015

Book Chapter to be published:

- **Bums of the Skull and Scalp and Their Clinical Management**
  MUTAZ B. HABAL, Tampa Bay Craniofacial Center, Tampa, Florida, USA, SAMUEL GOLPANIAN, Division of Plastic, Aesthetic and Reconstructive Surgery, DeWitt Daughtry Family Department of Surgery, University of Miami, Miami, FL, WOOD M. KASSIRA, Division of Plastic, Aesthetic and Reconstructive Surgery, DeWitt Daughtry Family Department of Surgery, University of Miami, Miami, FL, SETH R. THALLER, Division of Plastic, Aesthetic and Reconstructive Surgery, DeWitt Daughtry Family Department of Surgery, University of Miami, Miami, FL


- Author of book chapter Brachioplasty in **Operative Procedures in Plastic, Aesthetic and Reconstructive Surgery**

- Current co-author/editor of multiple chapters in Operative Dictations: Mastopexy, soleus flap, gastrocnemius flap, full-thickness skin graft, z-plasty, closed rhinoplasty; to be published

- Disruptive resident survey

WROOD KASSIRA, MD
FACULTY
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<td>The expression and activation of steroid hormones in the skin and the fat derived mesenchymal stem cells and its relationship to the potential application for the healing of wounds.</td>
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Ongoing research projects:

- Assessment of effect of therapeutic steroid injection in treatment of hand problems in diabetic patient.
- Comparative study of splinting vs neighbor strapping for boxer’s fracture
- Comparative study of sub-pectoral implant based breast reconstruction with and without use of acellular dermal matrix
- Study of coagulopathy in patients undergoing reduction mammoplasty using specific marker
- Impact of perineal reconstruction with muscle flap on the outcome of abdominoperineal resection
- Outcome of complex spine surgery and immediate reconstruction with local muscle flaps

Invited ongoing chapter:


MORAD ASKARI, MD; FACULTY
STUDY: DOES LYMPHATIC MAPPING REDUCE LYMPHEDEMA TREATMENT COMPLICATIONS

- Vascularized Lymph Node Transfer is the new standard of care for patients with lymphedema that failed medical management.
- Symptoms and Volume reduction reported between 50 and 80%.
- Axillary Reverse Mapping reduced breast cancer patients Lymphedema incidence by 90%.
The goal of this study is to combine both techniques and evaluate the effect on the incidence of donor site lymphedema.

By mapping and preserving the donor lymphatics, we hypothesize the postoperative donor site lymphedema rate will be significantly reduced.
University of Miami PARTICIPANT INFORMATION AND CONSENT FORM

- **LNT: LYMPH NODE TRANSFER**
- **Principal Investigator:**
  - Cristiano Boneti, M.D.
- **Co-Investigators:**

- Vascularized Lymph Node Transfer for Treatment of Lymphedema. A Comprehensive Literature Review
  - Ashvin Raju, MD,* and David W. Chang, MD†
Anyway, we are editing 177 chapters for the book which are due by March 1, 2015. This is what I'm doing for my research.


EMILY ANN BORSTING:
MEDICAL STUDENT


The following chapters for Tuan’s Operative Dictations book:
- Fillet flap
- Flexor sheath irrigation for flexor tenosynoitis
- Excision of ganglion cyst
- Collagenase injection and closed release
- Partial fasciectomy
- Dermatofasciectomy
- Tenosynovectomy
- Hand fasciotomy
RESEARCH PROJECTS:  
DR. BRYAN C HUNG  

Wide-awake hand surgery
- Effect of implementation of wide-awake hand surgery for carpal tunnel release, trigger finger release, and first dorsal compartment release on wait times, costs, waste, and patient experience in the VA system.
- Is a tourniquet necessary for wide-awake hand surgery? Comparison of patient experience and complication rate associated with tourniquet use.
- Effect of implementation of wide-awake hand surgery on surgical case volume, case times, skill acquisition, and educational experience by plastic surgery trainees.
- Flexor tendon rehabilitation
- Development of a relative motion splinting protocol for rehabilitation after flexor tendon repair: in vivo proof of concept study

Basic outcome tool research
- Validation of a computer-based modified Michigan Hand Questionnaire for mobile data collection.
- Development and validation of objective hand outcome measurements using smartphonesensor technology
- Validity of the Patient Self-Rated Functional Scale: What constructs are measured by the Patient Self-Rated Functional Scale in hand surgery/therapy
- Feasibility and implementation of 3D-printing technology in the fabrication of hand orthoses in underdeveloped and/or remote areas.
- Impact of implementation of 3D
RESEARCH PROJECTS: DR. BRYAN CHUNG

Health services and Global health research
- Feasibility and implementation of 3D-printing technology in the fabrication of hand orthoses in underdeveloped and/or remote areas.
- Impact of implementation of 3D-printing technology on costs and labour in the fabrication of custom mallet-finger splints.
- Knowledge transfer research
- Scoping review on diagnostic criteria for conditions that cause ulnar-sided wrist pain
- Scoping review on treatments for scapholunate ligament injury
- Systematic review on effectiveness of antibiotic-impregnated suture on post-operative infection rates

Epidemiology research
- 1. Prevalence of radiographic scapholunate abnormality or dissociation in non-symptomatic individuals
- 2. Prospective cohort study on hand injuries, and development of arthritis in Brazilian jiu-jitsu athletes
FELIX FRESHWATER:
VOLUNTARY FACULTY


- GRANTS
  - Open access for number 10 and 16 was funded by grants from the Welcome Trust.

- EDITORIAL POSITIONS
  - Appointed to editorial board of Indian Journal of Plastic Surgery
  - Re-appointed to editorial board of HAND
  - Re-appointed to editorial board of Journal of Hand Surgery Eur Vol
  - Appointed as statistical advisor of Journal of Hand Surgery Eur Vol
  - Continued as editor-at-large of Annals of Plastic Surgery
  - Continued on editorial board of J PRAS
- ASPS members use of Fat Grafting in Facelifting PRS 136:20e, 2015
- Considerations to prevent Facial nerve injury PRS 135:1318, 2015
- Infections in Face lifting PRS 135:58e, 2015.

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