

CURRICULUM VITAE

Gerhard Salomo (Sol) Mundinger, M.D.

Current Titles: Assistant Professor of Clinical Surgery; Assistant Professor of Cell Biology and Anatomy; Director of Pediatric Plastic Surgery

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Birthdate and Birthplace: March 13th, 1979, Washington, D.C.

Spouse and Children: Shannon O'Farrell (spouse), Finn (son) and Blu (daughter)

Citizenship: U.S.A.

Education:

Undergraduate: University of Michigan, Ann Arbor

B.S. Biology, 4/2001

B.S. Environmental Policy, 4/2001

B.S. Resource Ecology and Management, 4/2001

Graduate/Medical: Johns Hopkins University School of Medicine, Baltimore, MD. Doctor of Medicine, 5/2007

Internship: Johns Hopkins Hospital / University of Maryland Integrated Plastic Surgery Residency Program, Baltimore, MD, 7/2007-6/2008

Residency: Johns Hopkins Hospital / University of Maryland Integrated Plastic Surgery Residency Program, Baltimore, MD, 7/2007-6/2015

Post-Doctoral Fellowships: None

Clinical Fellowships: Seattle Children's Hospital / University of Washington Craniofacial Fellowship, Seattle, WA, 7/2015-6/2016

Other (i.e. JD, MPH, MBA, MHA, Career Development Courses): Clinical Research Training Program, National Institutes of Health, Bethesda, MD, 7/2005-7/2006

Research Resident, Composite Tissue Allotransplantation Laboratory / Craniofacial Surgery, Department of Surgery, University of Maryland Medical Center, Baltimore, MD. Principal investigators: Eduardo D. Rodriguez, D.D.S., and Stephen T. Bartlett, MD, 7/9-6/11

Louisiana Hospital Association Physician Leadership Academy 200 Series Program, Baton Rouge LA, 3/17- 10/17

Certification: Board Eligible, Plastic and Reconstructive Surgery. Written exam passed 12/11/2015; Board ID # 112010

Licensure:

Louisiana Medical License, Credential Number 303222, Issue date 7/15/2016, expiration date 3/31/2018

Washington State Department of Health Physician and Surgeon License: License Number MD 60538719. Effective date: 3/11/15, expiration date 3/13/18

Academic, Professional, and Research Appointments:

- | | | |
|--------------|--|--------------------|
| 7/09-6/11 | University of Maryland Medical Center
Research Resident
Composite Tissue Allotransplantation Laboratory
Department of Surgery
Principal Investigators: Dr. Eduardo D. Rodriguez, Dr. Stephen T. Bartlett | Baltimore, MD |
| 7/15-6/16 | Seattle Children's Hospital/
University of Washington Medical Center/
Harborview Medical Center / Seattle Cancer Care Alliance
Senior Fellow / Clinical Instructor | Seattle, WA |
| 8/16-present | Louisiana State University Health Sciences Center
Assistant Professor of Clinical Surgery
Division of Plastic and Reconstructive Surgery | New Orleans, LA |
| 8/16-present | Children's Hospital of New Orleans
Assistant Professor of Clinical Surgery
Division of Plastic and Reconstructive Surgery | New Orleans, LA |
| 3/17-present | Louisiana State University Health Sciences Center
Assistant Professor
Department of Cell Biology and Anatomy | New Orleans, LA |
| 4/17-present | Children's Hospital of New Orleans
Director of Plastic Surgery
Division of Plastic and Reconstructive Surgery | New Orleans, LA |
| 5/17-present | PolarityTE
Clinical Board Advisor / Industry Consultant | Salt Lake City, UT |

Membership in Professional Organizations:

American Society of Craniofacial Surgery: Associate Member 2017-present
American Cleft Palate - Craniofacial Association: Member 2015-present
The Transplantation Society: Member 2009-present
Plastic Surgery Research Council: Candidate Member 2008-present
American Society of Maxillofacial Surgeons: Candidate Member 2015-present
American Society of Plastic Surgeons: Candidate Member 2015-present
American Society for Reconstructive Microsurgery: Candidate Member 2009-present
AO CMF: Member 2009-present
European Plastic Surgery Research Council: Associate Member 2009-present

The Johns Hopkins Medical and Surgical Association: Member 2001-present

Awards and Honors:

- 1996-7 Saint Andrew's Varsity Football Saint Award
- 1999 Phi Beta Kappa
- 1999 Lutheran Brotherhood Scholarship
- 1999 University of Michigan Biological Station Scholarship
- 1998 William J. Branstrom Freshman Prize
- 1998 Golden Key National Honor Society
- 1998 Lutheran Brotherhood Scholarship
- 1998 James B. Angell Scholar
- 2000 Phi Kappa Phi
- 2000 James B. Angell Scholar
- 2000 Lutheran Brotherhood Scholarship
- 2001 James B. Angell Scholar
- 2001 Lutheran Brotherhood Scholarship
- 2001 Xi Sigma Pi Honorary Forestry Society
- 2005-6 NIH Clinical Research Training Program Fellowship
- 2007 Excellence in Medical Student Research Award
- 2007 Best photograph award. Images of Global Health Photography Exhibit, Enoch Pratt Free Library, Baltimore, MD
- 2007 American Association for Cancer Research Busch Scholar-in-Training Award- "Comparison of Reverse Phase Protein Microarray (RPMA) Data Analysis Methods Using Receiver Operator Characteristic Curves."
- 2007 American Austrian Foundation Max Kade Fellowship
- 2007 Tokyo University Medical Student Exchange Scholarship
- 2007 NIH Medical Education Program "Success Story Profile" selectee (<http://www.cc.nih.gov/training/crtp/pdf/GerhardMundinger.pdf>)
- 2008 Johns Hopkins Hospital "Shining Star" Service Excellence Award
- 2010 The International Basic Science Mentee Travel Award for the 23rd International Congress of the Transplantation Society, Vancouver, Canada
- 2010-11 Plastic Surgery Educational Foundation Research Fellowship- "Simultaneous Renal and Vascularized Bone Allotransplantation"
- 2011 The Transplantation Society Travel Award for the 10th Meeting of the International Hand and Composite Tissue Allotransplantation Society, Atlanta, Georgia
- 2011-12 St. Andrew's Episcopal School Young Alumnus Award
- 2012 Bring Hope Through Healing grant award for Changing Children's Lives mission trip to, Prajaksinlapakhom Army Hospital, Udon Thani, Thailand
- 2012 Basic Science Research Award, 4th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium- "Histopathology of chronic rejection in a non-human primate model of facial vascularized composite tissue allotransplantation"
- 2012-14 Resident Representative to Faculty, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital L. Coulson Award for Clinical Excellence
- 2014 American Society of Maxillofacial Surgeons Resident Scholar

Award recipient
2014-15 Administrative Chief of Service, Department of Plastic and
Reconstructive Surgery, Johns Hopkins Hospital
2015 Johns Hopkins Medicine Miller-Coulson Academy of Clinical
Excellence Frank Coulson Award for Clinical Excellence

TEACHING EXPERIENCE AND RESPONSIBILITIES

Course/Clerkship/Residency or Fellowship/CME Directorships

None

Curriculum Development/Implementation

None

Creation of Enduring Teaching Materials

1. **Mundinger GS**, Chang CC, Dorafshar AH. Common approaches to the craniofacial skeleton. American Society of Craniofacial Surgery Craniofacial Fellows Curriculum Video and Powerpoint Presentation, 2015.
2. Chang CC, **Mundinger GS**, Dorafshar AH. Facial fractures. American Society of Craniofacial Surgery Craniofacial Fellows Curriculum Video and Powerpoint Presentation, 2015.

Formal Course Responsibilities

None

Departmental/Interdisciplinary Teaching Conferences

Weekly grand rounds and monthly journal club participation, Division of Plastic and Reconstructive Surgery, Louisiana State University Medical Center, New Orleans, LA

Bimonthly multidisciplinary cleft clinic team conference, Children's Hospital of New Orleans, New Orleans, LA. Team involves plastic surgery, oral surgery, orthodontics, speech therapy, dentistry, audiology, otolaryngology, and social work.

Monthly multidisciplinary vascular malformations clinic team conference, Children's Hospital of New Orleans, New Orleans, LA. Team includes plastic surgery, vascular surgery, orthopedics, dermatology, otolaryngology, and radiology.

Monthly interdisciplinary craniofacial conference, Children's Hospital of New Orleans, New Orleans, LA. Team includes plastic surgery and neurosurgery.

Teaching Awards:

None

Undergraduate, Medical, or Graduate Students Trained:

2012- 2014 Justin Bellamy, B.S., medical student, Johns Hopkins University School of Medicine, Baltimore, MD; accepted to integrated plastic surgery residency position, New York University, New York, NY.

Served as research advisor during Doris Duke Fellowship at University of Maryland Shock Trauma Medical Center

Thesis and Dissertation Committees:

None

Post-Doctoral or Post-Residency Fellows Trained:

None

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Funded

7/10-6/11 Plastic Surgery Educational Foundation Fellowship- Award 173196. Munding GS (PI), Rodriguez ED (Sponsor). *Simultaneous Renal and Vascularized Bone Allotransplantation*. Awarded Funds: \$50,000
Role: Principal Investigator
Effort: 80%

6/10-5/11 Office of Naval Research- Grant Award N00014-10-1-0868 Bartlett ST (PI), Rodriguez ED (Co-PI), Barth, RN (Co-PI), Munding GS (Co-Investigator). *Chimerism and Tolerance in Composite Tissue Transplantation*. Awarded Funds: \$3,187,200
Role: Co-Investigator
Effort: 20%

Pending funding

8/17 Stryker Craniomaxillofacial Munding GS (PI) *Morphologic outcomes in scaphocephaly correction*. Awarded Funds: \$40,000
Role: Principal investigator
Effort: 5%

Non-funded applications (last three years)

9/2016 American Society of Maxillofacial Surgeons Research Grant Application. Munding GS (PI), Lopez M (Co-investigator). *CAD-CAM Customized Biologic Scaffolds for Reconstruction of Critical-Sized Mandibular Bone Defects*. Funding requested: \$7,500

11/2016 AOCMF Large Bone Defect Bone Regeneration Using Tissue Engineering and CAD/CAM Technology: Their Impact on Facial Bone Reconstruction Grant Application. Munding GS (PI), Lopez M (Co-investigator), Hays D (Co-investigator), St. Hilaire H (Co-investigator). *CAD-CAM Customized Biologic Scaffolds for Reconstruction of Critical Sized Mandibular Bone Defects*. Funding requested: 158,436 CHF (\$157,419)

Journal Publications:

Refereed

1. **Mundinger GS**, Rozen SM, Carson B, Greenberg RS, Redett RJ. Case report: full-thickness forehead burn over indwelling titanium hardware resulting from an aberrant intraoperative electrocautery circuit. *Eplasty*. 2007. 20;8:e1. PMID: 18213397
2. Sciortino C, **Mundinger GS**, Kuwayama D, Yang S, Sussman M. Treatment of severe subcutaneous emphysema with a negative pressure wound therapy dressing. *Eplasty*. 2009;9:e1. PMID: 19198645
3. Narushima M, Mihara M, Koshima I, Gonda K, Takuya I, Kato H, Nakanishi K, Yamamoto Y, Araki J, Abe H, **Mundinger GS**, Kikuchi K, Uehara E. Intravascular stenting (IVaS) method for fingertip replantation. *Ann Plast Surg*. 2009. 62(1):38-41. PMID: 19131717
4. **Mundinger GS**, Weiss C, Fishman EK. Severe tracheobronchial stenosis and cervical vertebral subluxation in x-linked recessive chondrodysplasia punctata. *Pediatr Radiol*, 2009. 39(6):625-628. PMID: 19238369
5. Pernas FG, Allen CT, Winters ME, Yan B, Friedman J, Dabir B, Saigal K, **Mundinger GS**, Xu X, Morris JC, Calvo KR, Van Waes C, Chen Z. Proteomic signatures of epidermal growth factor receptor and survival signal pathways correspond to gefitinib sensitivity in head and neck cancer. *Clin Cancer Res*. 2009. 15(7): 2361-72. PMID: 19318490
6. **Mundinger GS**, Gust S, Micchelli ST, Fishman EK, Hruban RH, Wolfgang C. Adult pancreatic hemangioma: case report and review of the literature. *Gastroenterology Res and Pract*. 2009;2009:839730. PMID: 19421421
7. Narushima M, Mihara M, Koshima I, Gonda K, Takuya I, Kato H, Araki J, Yamamoto Y, Yuhei O, Todokoro T, Ishikawa S, Eri U, **Mundinger GS**. Digital artery perforator (DAP) flaps: modifications for fingertip and finger stump reconstruction. *J Plast Reconstr Aesthet Surg*. 2009. 63(8):1312-7. PMID: 19729356
8. Narushima M, Mihara M, Yamamoto Y, Iida T, Koshima I, **Mundinger GS**. The intravascular stenting method (IVaS) for treatment of lymphedema with multi-configuration lymphaticovenous anastomoses. *Plast Reconstr Surg*. 2010. 125(3):935-43. PMID: 20195120
9. **Mundinger GS**, Steinbacher D, Bishop J, Tufaro AP. Giant pilomatricoma of the cheek: case report and literature review. *J Craniomaxillofac Surg*. 2011. 39(7):519-24. PMID: 20417111
10. Yamamoto T, Narushima M, Doi K, Oshima A, Ogata F, Mihara M, Koshima I, **Mundinger GS**. Characteristic indocyanine green lymphography findings in lower extremity lymphedema: the generation of a novel lymphedema severity staging system using dermal backflow patterns. *Plast Reconstr Surg*. 2010. 127(5):1979-86. PMID: 21532424
11. Barth RN, Rodriguez ED, **Mundinger GS**, Nam AJ, Ha JS, Hui-Chou HG, Jones LS, Panda A, Shipley ST, Drachenberg CB, Kukuruga DL, Bartlett ST. Vascularized bone

marrow prevents rejection of composite tissue allografts in non-human primates. *Am J Transplant*. 2011. 11(7): 1407-16. PMID: 21668624

12. Kelamis JA, **Munding GS**, Feiner JM, Dorafshar AH, Manson PN, Rodriguez ED. Clinical significance of isolated bilateral zygomatic arch fractures: a retrospective review. *Plast Reconstr Surg*. 2011.128(4):962-70. PMID: 21921771. Video discussion: Luce EA, http://journals.lww.com/plasreconsurg/_layouts/oaks.journals/VideoView.aspx?videoid=147&autoplay=true

13. **Munding GS**, Nam AJ, Hui-Chou HG, Stanwix MG, Jones LS, Drachenberg CB, Kukuruga D, Shipley ST, Dorafshar AH, Panda A, Bartlett ST, Barth RN, Rodriguez ED. Non-human primate model of fibula vascularized composite allotransplantation demonstrates donor-recipient bony union. *Plast Reconstr Surg*. 2011. 128(6):1193-1204. PMID: 21841529

14. Magarakis M, **Munding GS**, Kelamis AJ, Dorafshar AH, Bojovic B, Rodriguez ED. Ocular injury, visual impairment, and blindness associated with facial fractures: A systematic literature review. *Plast Reconstr Surg*. 2012. 129(1):227-233. PMID: 21915081. Video discussion: Gosain AK: http://journals.lww.com/plasreconsurg/_layouts/oaks.journals/VideoView.aspx?videoid=182&autoplay=true

15. **Munding GS**, Prucz RB, Rozen SM, Tufaro AP. Reconstruction of the inferior alveolar nerve with bioabsorbable polyglycolic acid nerve conduits. *Plast Reconstr Surg*. 2012. 129(1):110e-177e. PMID: 22186525

16. **Munding GS**, Kelamis JA, Kim SH, Magarakis M, Jones LS, Ha JA, Rodriguez ED. Tunneled superficial inferior epigastric artery (SIEA) myocutaneous / vascularized femur chimeric flaps: a model to study the role of vascularized bone marrow in composite allografts. *Microsurgery*. 2012. 32(2): 128-35. PMID: 22113953

17. **Munding GS**, Narushima M, Hui-Chou HG, Jones LS, Ha JS, Shipley ST, Dorafshar AH, Koshima I, Bartlett ST, Barth RN, Rodriguez ED. Infrared fluorescence imaging of lymphatic regeneration in non-human primate facial vascularized composite allografts. *Ann Plast Surg*. 2012. 68(3): 314-19. PMID: 22356782

18. **Munding GS**, Douglas KC, Higgins JP. Acute mycobacterial flexor tenosynovitis following accidental bacillus Calmette-Guérin inoculation in a healthcare worker: case report. *J Hand Surg Am*. 2013. 38(2): 362-365. PMID: 23294648

19. Vaca EE, **Munding GS**, Kelamis JA, Dorafshar AH, Christy MR, Rodriguez ED. Facial fractures with concomitant globe rupture: Injury mechanisms and fractures associated with blindness. *Plast Reconstr Surg*. 2013. 131(6):1317-1328. PMID: 23416437. Video discussion: Rohrich RJ, Luce EA <http://journals.lww.com/plasreconsurg/Pages/VideoGallery.aspx?videoid=362&autoplay=true>

20. **Munding GS**, Munivenkatappa R, Drachenberg CB, Ha JS, Vaca E, Shipley ST, Papadimitriou JC, Rodriguez ED, Barth RN. Histopathology of chronic rejection in a non-human primate model of facial vascularized composite tissue allotransplantation. *Transplantation*. 2013. 95(10):1204-1210. PMID: 23694932

21. Bellamy JL, Molendijk J, Reddy SK, Flores JM, **Mundinger GS**, Manson PN, Rodriguez ED, Dorafshar AH. Severe infectious complications following frontal sinus fracture: the impact of operative delay and perioperative antibiotic use. *Plast Reconstr Surg*, 2013. 132 (1): 154-162. PMID: 2380691. Discussion: Luce EA, *Plast Reconstr Surg*. 2013.132(1):163-4
22. Bellamy JL, **Mundinger GS**, Reddy SK, Flores JM, Rodriguez ED, Dorafshar AH. Le Fort II fractures are associated with death: a comparison of simple and complex midface fractures. *J Oral Maxillofac Surg*. 2013. 71(9):1556-62. PMID: 23806917
23. **Mundinger GS**, Dorafshar AH, Gilson MM, Mithani SK, Manson PN, Rodriguez ED. Blunt-mechanism facial fracture patterns associated with internal carotid artery injuries: recommendations for additional screening criteria based on analysis of 4,398 patients. *J Oral Maxillofac Surg*. 2013. 71(12):2092-100. PMID: 23992776
24. Hung B, Salter E, Temple J, **Mundinger GS**, Brown E, Brazio P, Rodriguez ED, Grayson W. Engineering bone grafts with enhanced bone marrow and native scaffolds. *Cells, Tissues, Organs*. 2013.198(2):87-98. PMID: 24021248
25. Bellamy JL, **Mundinger GS**, Flores JM, Reddy SK, Mithani SK, Rodriguez ED, Dorafshar AH. Facial fractures of the upper craniofacial skeleton predict mortality and occult intracranial injury after blunt trauma: an analysis. *J Craniofac Surg*. 2013.24(6):1992-6. PMID: 24220374
26. **Mundinger GS**, Dorafshar AH, Gilson MM, Mithani SK, Kelamis JA, Christy MR, Manson PN, Rodriguez ED. Analysis of radiographically confirmed blunt-mechanism facial fractures. *J Craniofac Surg*. 2014. 25(1): 321-27. PMID: 24406598
27. Zelken JA, Khalifian S, **Mundinger GS**, Ha, JS, Manson PN, Rodriguez ED, Dorafshar AH. Defining Predictable Patterns of Craniomaxillofacial Injury in the Elderly: Analysis of 1,047 Patients. *Journal of Oral Maxillofac Surg*, 2013. 72(2):351-61. PMID: 24139294
28. **Mundinger GS**. Halo phenomenon. *NEJM*. 2014. 370(3): 262. PMID: 24428471
29. Metzler P, Low DW, **Mundinger GS**, Steinbacher DM. Simultaneous double-opposing Z-plasty a posterior pharyngeal flap. *J Oral Maxillofac Surg*. 2014. 72(4):803.e1-6. PMID: 24468091
30. Dorafshar AH, Mohan R, **Mundinger GS**, Brown EN, Kelamis AJ, Bojovic B, Christy MR, Rodriguez ED. Reconstruction of porcine critical sized mandibular defects with free fibular flaps: the development of a craniomaxillofacial surgery model. *J Reconstr Microsurg*. 2014. 30(4): 241-8. PMID:24590323
31. Dorafshar AH, Brazio PS, **Mundinger GS**, Mohan R, Brown EN, Rodriguez ED. Found in space: computer-assisted orthognathic alignment of a total face allograft in six degrees of freedom. *Journal of Oral Maxillofac Surg*, 2014.72(9):1788-80. PMID: 24656428

32. Mohan R, Hui-Chou HG, Wang HD, Nam AJ, Magarakis M, **Mundinger GS**, Brown EN, Kelamis AJ, Christy MR, Rodriguez ED. Hernia, 2014. September 24th. Epub ahead of print. PMID: 25249252
33. **Mundinger GS**, Prucz RB, Frassica FJ, Deune EG. Concomitant upper extremity soft tissue sarcoma limb-sparing resection and functional reconstruction: assessment of outcomes and costs of surgery. *Hand (N Y)*, 2014. 9(2): 196-204. PMID: 24839421
34. Ashvetia T, **Mundinger GS**, Kukuruga D, Bojovic B, Christy MR, Dorafshar AH, Rodriguez ED. Donor-recipient Human Leukocyte Antigen Matching Practices in Vascularized Composite Tissue Allotransplantation: A Survey of Major Transplantation Centers. *Plast Reconstr Surg*, 2014. 134(1): 121-9. PMID: 25028821
35. Dorafshar AH, **Mundinger GS**, Mohan R, Brown EN, Kelamis JA, Bojovic B, Christy MR, Rodriguez ED. Comparison of free fibular flaps to reamer-irrigator-aspirator (RIA) bone grafts for reconstruction of critical-sized mandibular defects. *J Craniofac Surg*, 2014. 25(6): 1953-8. PMID: 25329851
36. Tuffaha SH, Sarhane K, **Mundinger GS**, Broyles JM, Reddy SK, Seal S, Cooney D, Bonawirz SC. Pyoderma gangrenosum after breast surgery: Diagnostic pearls and treatment recommendations based on a systematic literature review *Ann Plast Surg*, 2014. July 4th. Epub ahead of print. PMID: 25003456
37. Vaca EE, **Mundinger GS**, Zelken JA, Erdag G, Manahan MA. Surgical excision of multiple penile synringomas with scrotal flap reconstruction. *Eplasty*, 2014. 14:e21. PMID: 24966995
38. Hautz T, Zelger BG, Nasr I, **Mundinger GS**, Barth R, Rodriguez ED, Brandacher G, Weissenbacher A, Zelger B, Cavadas P, Margreiter R, Lee WPA, Pratchke J, Lakkis FG, Schneeberger S. Lymphoid neogenesis in skin of human hand, non-human primate, and rat vascularized composite allografts. *Transplant Int*, 2014. 27(9):966-76. PMID:24853399
39. Maddox JS, Sabino JM, Buckingham EB, **Mundinger GS**, Zelken JA, Bluebond-Langner RO, Singh DP, Holton LH 3rd. Utility of indocyanine green fluorescence lymphography in identifying the source of persistent groin lymphorrhea. *Plast Reconstr Surg Glob Open*, 2014. 2(9):e210. PMID: 2542639339
40. Utria AF, **Mundinger GS**, Bellamy JL, Zhou J, Ghasemzadeh A, Yang R, Jallo GI, Ahn ES, Dorafshar AH. The importance of timing in optimizing cranial vault remodeling in syndromic craniosynostosis. *Plast Reconstr Surg*, 2015. 135(4):1077-84. PMID: 25502856
41. Sosin M, **Mundinger GS**, Dorafshar AH, Fisher M, Bojovic B, Christy MR, Iliff NT, Rodriguez ED. Eyelid transplantation: lessons from a total face transplant and the importance of blink. *Plast Reconstr Surg*, 2015. 135(1):167e-75e. PMID: 25539324
42. **Mundinger GS**, Borsuk DE, Okhah Z, Christy MR, Bojovic B, Dorafshar AH, Rodriguez ED. Antibiotics and Facial Fractures: Evidence-Based Recommendations Compared to Experience-Based Practice. *Craniofac Trauma Reconstr*. 2015. 8(1): 64-78. PMID: 25709755

43. Bellamy JL, **Mundinger GS**, Flores JM, Wimmers E, Yalanis G, Rodriguez ED, Sacks JM. Do adjunctive flap monitoring technologies impact clinical decision making? An analysis of microsurgeon preferences and behavior by body region. *Plast Reconstr Surg*, 2015. 135(3): 883-92. PMID: 25719704. Invited discussion Winocour S, Saint-Cyr M. *Plast Reconstr Surg* 2015. 135(3): 893-4
44. Susarla SM, Lopez J, **Mundinger GS**, Lifchez SD, Redett RJ. Abstract presentations by residents at an intramural research day: What factors affect publication? In Press in *J Surg Educ*, January, 2015. 72(4).
45. Susarla SM, **Mundinger GS**, Swanson EW, Basile LE, Redett RJ, Dodson TB. What is the quality of the evidence in the craniofacial surgery literature? *Journal of Oral Maxillofac Surg*, 2015, 73(10): 2017-23. PMID: 25869980
46. Vranis N, **Mundinger GS**, Bellamy JL, Schultz B, Banda A, Yang R, Dorafshar AH, Christy M, Rodriguez ED. Extracapsular mandibular condyle fractures are associated with severe blunt internal carotid artery injury: analysis of 605 patients. *Plast Reconstr Surg*, 2015. 136(4):811-21. PMID: 26090769
47. Swanson EW, Susarla SM, Ghasemzadeh A, **Mundinger GS**, Redett RJ, Tufaro AP, Manson PN, Dorafshar AH. Application of the mandible injury severity score to pediatric mandibular fractures. *Journal of Oral Maxillofac Surg*, 2015. 71(7): 1341-9. PMID: 25936782
48. Ghazemzadeh A, **Mundinger GS**, Swanson EW, Utria AF, Dorafshar AH. Treatment of pediatric condylar fractures: a 20 year experience. *Plast Reconstr Surg*, 2015,136(6): 1279-88. PMID: 26595021
49. **Mundinger GS**, Vogel JE. Calf augmentation and reshaping with autologous fat grafting. *Aesthet Surgery J*, 2016. 36(2): 211-20. PMID: 26333990 Selected as an Aesthetic Surgery Journal Editor's Choice: In Their Own Words highlight video. Available at <https://www.youtube.com/watch?v=oAdo7ZVChxs>
50. **Mundinger GS**, Shanavas Z, Kontis TC. Could your patient have swallowed their nasal splint after septoplasty? Seeing is believing. *Aesthet Surgery J*, 2015, 36(2): NP68-70. PMID: 26399313
51. Susarla SM, **Mundinger GS**, O'Brien-Coon D, Dodson TB, Manson PN, Peacock ZS, Dorafshar AH. Does training background influence decision-making in the management of zygomaticomaxillary complex fractures? *J Oral Maxillofac Surg*, 2016, 74(5):995-1012. PMID 26706488
52. Sosin M, De La Cruz C, **Mundinger GS**, Saadat SY, Nam AJ, Manson PN, Christy MR, Bojovic B, Rodriguez ED. Treatment outcomes following traumatic optic neuropathy. *Plast Reconstr Surg*, 2016, 137 (4):1234-40. PMID: 27018678.
53. Coon D, Kosztowski M, Mahoney NR, **Mundinger GS**, Grant MP, Redett RJ. Principles for management of orbital fractures in the pediatric population: A cohort study of 150 patients. *Plast Reconstr Surg*, 2016. 137(1):231-8. PMID: 26710028

54. **Mundinger GS**, Bellamy JL, Miller DT, Christy MR, Bojovic B, Dorafshar AH. Defining population-specific craniofacial fracture patterns and resource utilization in geriatric patients: a comparative study of blunt craniofacial fractures in geriatric versus non-geriatric adult patients. *Plast Reconstr Surg*, 2015,137 (2): 386e-393e. PMID: 26818329. February image of the month.
55. Sosin M, **Mundinger GS**, Dorafshar AH, Iliff NT, Christensen JM, Christy MR, Bojovic B, Rodriguez ED. Optimizing reconstruction with periorbital transplantation: clinical indications and anatomic considerations. *Plast Reconstr Surg Glob Open*. 2016, 26;4(2):e628. PMID: 27014557
56. **Mundinger GS**, Rehim SA, Johnson O, Tong A, Wallner C, Dorafshar AH. Distraction osteogenesis for surgical treatment of craniosynostosis: a systematic review. *Plast Reconstr Surg*, 2016. 138(3):657-60. PMID: 27127836
57. Wang HD, Susarla SM, **Mundinger GS**, Schultz BD, Yang R, Bojovic B, Christy MR, Manson PN, Rodriguez ED, Dorafshar AH. Which Factors Are Associated with Open Reduction of Adult Mandibular Condylar Injuries? *Plast Reconstr Surg*, 2016. 137(6):1813-21. PMID: 26890508
58. **Mundinger GS**, Latham K, Friedrich J, Louie O, Said H, Birgfeld C, Ellenbogen R, Hopper RA. Management of the repeatedly failed cranioplasty following post-decompressive craniectomy: establishing the efficacy of staged free latissimus dorsi transfer / tissue expansion / custom PEEK implant reconstruction. *J Craniofac Surg*, 2016. 27(8): 1971-1977. PMID:28005736
59. Susarla SM, **Mundinger GS**, Chang CC, Swanson EN, Lough D, Rottgers A, Redett RJ, Kumar AR. Gastrostomy placement rates in infants with Pierre Robin Sequence: a comparison of tongue-lip adhesion to mandibular distraction osteogenesis. *Plast Reconstr Surg*, 2017, 139(1): 149-154 PMID: 28027240
60. Dorafshar AH, **Mundinger GS**, Robinson B, Tuffaha S, Brandacher G, Byrne P, Walton RL. Nasal unit transplantation: a cadaveric anatomical feasibility study. In press in *J Reconstr Microsurg*, 2016. Epub ahead of print. PMID: 28024304
61. Utria AF, Lopez J, Cho R, **Mundinger GS**, Jallo GI, Ahn ES, Vander Kolk C, Dorafshar AH. Timing of cranial vault remodeling in non-syndromic craniosynostosis: a single institution's thirty-year experience. In press in *J Neurosurg Pediatr*, May, 2016.
62. **Mundinger GS**, Skladman R, Wenger T, Birgfeld CC, Gruss JS, Lee A, Ellenbogen R, Hopper RA. Defining and correcting asymmetry in isolated unilateral frontosphenoidal synostosis: differences in orbital shape, facial scoliosis, and skullbase twist compared to unilateral coronal synostosis. In Press in *J Craniofac Surg*, June, 2017.
63. Susarla SM, **Mundinger GS**, Kapadia H, Fisher M, Smartt J, Dorafshar AH, Hopper RA. Le Fort II distraction with simultaneous zygomatic repositioning is more effective than Le Fort III distraction for treatment of obstructive sleep apnea in achondroplasia. In Press in *J Craniomaxillofac Surg*, August, 2017.
64. Wisecarver I, **Mundinger GS**, Tarakji M, St. Hilaire H. Microsurgical engineering: bilateral deep inferior epigastric artery perforator flap with flow-through intra-flap

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35. Kelamis AJ, **Mundinger GS**, Feiner JM, Dorafshar AH, Manson PN, Rodriguez ED. Clinical significance of isolated bilateral zygomatic arch fractures: a retrospective review. American Association of Plastic Surgeons 90th Annual Meeting, April 11th, 2011, Boca Raton, FL. Abstract 211-A-133-AAPS
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37. Ha JS, **Mundinger GS**, Kelamis AJ, Jones LS, Kukuruga D, Drachenberg C, Shipley ST, Rodriguez ED, Bartlett ST, and Barth RN. Replacement of donor bone marrow with recipient cells in non-human primate vascularized composite allograft model. Podium presentation, 11th Annual American Transplant Congress, May 3rd, 2011, Philadelphia, PA.
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39. **Mundinger GS**, Kelamis JA, Kim SH, Magarakis M, Jones LS, Ha JA, Rodriguez ED. Tunneled superficial inferior epigastric artery (SIEA) myocutaneous / vascularized femur chimeric flaps: a model to study the role of vascularized bone marrow in composite allografts. Podium presentation, Basic II Session, American Society for Reconstructive Microsurgery Annual Meeting, January 15th, 2012, Las Vegas, NV. Abstract # 13078.
40. **Mundinger GS**, Vaca E, Kelamis JA, Dorafshar AH, Bojovic B, Christy MR, Manson PN, Rodriguez ED. Facial Fractures with Concomitant Globe Rupture: Injury Mechanisms and Fracture Patterns Associated with Blindness. Poster presentation, American Association of Plastic Surgeons 91st Annual Meeting, April 16th, 2012, San Francisco, CA. Abstract #P49
41. Bojovic B, **Mundinger GS**, Kelamis JA, Dorafshar AH, Mithani SK, Manson PN, Rodriguez ED. Critical Reappraisal of Pan-Facial Injury: Evolution of a 12 Year Experience-Based Treatment Algorithm. Poster presentation, American Association of Plastic Surgeons 91st Annual Meeting, April 16th, 2012, San Francisco, CA. Abstract #P50
42. Ha JS, **Mundinger GS**, Jones LS, Kukuruga D, Drachenberg CB, Shipley ST, Rodriguez ED, Bartlett ST, Barth RN. Vascularized Bone Marrow Does Not Protect Renal Allografts in Unconditioned Non-Human Primates. Oral presentation, Clinical and Translational Research in Vascularized Composite Allotransplantation Session, 12th Annual American Transplant Congress, June 3rd, 2012, Boston, MA. Abstract #1666
43. Bellamy JL, **Mundinger GS**, Massie AB, Kelamis JA, Dorafshar AH, Christy, MR, Rodriguez ED. Blunt Mechanism Facial Fracture Patterns Associated with Death.

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44. Hung BP, Salter EK, Temple J, **Mundinger GS**, Brown EN, Rodriguez ED, Grayson WL. Reamer Irrigator Aspirate (RIA) Putty for Engineering Craniofacial Bone Grafts. Oral presentation, Tissue Engineering & Regenerative Medicine International Society (TERMIS) World Congress, September 5th-8th, 2012, Vienna, Austria.

45. Mohan R, Hui-Chou HG, Wang H, Nam AJ, Magarakis M, **Mundinger GS**, Brown EN, Kelamis JA, Jones LS, Drachenberg CB, Price LA, Christy MR, Rodriguez ED. Physiologic changes with abdominal wall reconstruction in a porcine abdominal compartment syndrome model. Poster presentation, 92nd Annual Meeting of the American Association of Plastic Surgeons, April 20-23, 2013, New Orleans, LA. Poster #P74

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48. Bellamy JL, Molendijk J, Reddy SK, **Mundinger GS**, Flores JM, Manson PN, Rodriguez ED, Dorafshar AH. Severe infectious complications following frontal sinus fracture: the impact of operative delay and perioperative antibiotic use. Podium presentation, 58th Annual Meeting of the Plastic Surgery Research Council, May 2nd, 2013, Santa Monica, CA Abstract #1605

49. Mohan R, Brown EN, **Mundinger GS**, Kelamis JA, Bojovic B, Christy MR, Dorafshar AH, Rodriguez ED. Comparison of free fibular flaps to reamer-irrigator-aspirator (RIA) system for reconstruction of critical sized porcine mandibular defects. Podium presentation, 58th Annual Meeting of the Plastic Surgery Research Council, May 3rd, 2013, Santa Monica, CA. Abstract #1633

50. Wang HD, Chou HH, Mohan R, Nam AJ, Magarakis M, **Mundinger GS**, Brown EN, Kelamis JA, Jones LS, Drachenberg CB, Price LA, Christy MR, Rodriguez ED. Physiologic changes with abdominal wall reconstruction in a porcine abdominal compartment syndrome model. Podium presentation, 58th Annual Meeting of the Plastic Surgery Research Council, May 3rd, 2013, Santa Monica, CA. Abstract #1603

51. Utria AF, **Mundinger GS**, Zhou J, Ghasemzadeh A, Yang R, Dorafshar AH. What is the optimal age for cranial vault remodeling in syndromic craniosynostosis? Insights from the Johns Hopkins experience. Podium presentation, Plastic Surgery Research Council 59th Annual Meeting, March 8th, 2014, New York, NY. Abstract # 2014-A-235-PSRC

52. Vranis NM, **Mundinger GS**, Bellamy JL, Banda A, Yang R, Dorafshar AH, Rodriguez ED. Fractures of the mandibular condylar base are associated with severe blunt internal carotid artery injuries. Podium presentation, Plastic Surgery Research Council 59th Annual Meeting, March 8th, 2014, New York, NY. Abstract # 2014-A-430-PSRC
53. Ghasemzadeh A, **Mundinger GS**, Utria A, Dorafshar AH. Management of pediatric condylar and subcondylar fractures: the algorithmal impact of concomitant mandibular arch fractures. Plastic Surgery Research Council 59th Annual Meeting, March 8th, 2014, New York, NY. Abstract #2014-A-235-PSRC
54. Utria AF, **Mundinger GS**, Justin Bellamy J, Zhou J, Ghasemzadeh A, Rachwalski M, Yang R, Dorafshar AH. What is the optimal age for cranial vault remodeling in syndromic craniosynostosis? Insights from the Johns Hopkins experience. 71st Annual Meeting of the American Cleft Palate-Craniofacial Association, March 26th, 2014, Indianapolis, IN. Abstract #626
55. Ghasemzadeh A, **Mudinger GS**, Utria AF, Dorafshar AH. Management of pediatric condylar and subcondylar fractures: the algorithmal impact of concomitant mandibular arch fractures. 71st Annual Meeting of the American Cleft Palate-Craniofacial Association, March 24-29, 2014, Indianapolis, IN. Abstract #534
56. Sosin M, De La Cruz C, **Mundinger GS**, Bojovic B, Christy MR, Rodriguez ED. Traumatic optic neuropathy: an 8-year experience of management and outcomes. American Society of Plastic Surgery, National Meeting, Chicago IL. Published in *Plast Reconstr Surg*. 2014. 134(4S-1): 17
57. **Mundinger GS**, Bellamy JL, Flores JM, Wimmers E, Yalanis GC, Rodriguez ED, Sacks JM. Do adjunctive flap monitoring technologies impact clinical decision making? An analysis of microsurgeon preferences and behavior by body region. American Society for Reconstructive Microsurgery Annual Meeting, January 25th, 2015, Atlantis Paradise Island, Bahamas.
58. Sosin M, **Mundinger GS**, Dorafshar AH, Fisher M, Bojovic B, Christy MR, Iloff NT, Rodriguez ED. Eyelid transplantation: Lessons from a total face transplant and the importance of blink. American Society for Reconstructive Microsurgery Annual Meeting, January 26th, 2015, Atlantis Paradise Island, Bahamas.
59. Sosin M, **Mundinger GS**, Iloff NT, Christensen JM, Dorafshar AH, Christy MR, Bojovic B, Rodriguez ED. Optimizing reconstruction with periorbital transplantation: Clinical indications and anatomic considerations. American Society for Reconstructive Microsurgery Annual Meeting, January 26th, 2015, Atlantis Paradise Island, Bahamas.
60. Sosin M, **Mundinger GS**, Drachenberg CB, Rodriguez ED. Evidence of lymphatic neovascularization and early reconstitution of lymphatics following face transplantation. Short oral presentation, Innovations and Libations session, American Association of Plastic Surgeons 94th Annual Meeting, April 13th, 2015, Scottsdale, AZ. Abstract #29. Published in *Plast Reconstr Surg*. 2015. 135(4S): 1192
61. Coon D, Kosztowski M, **Mundinger GS**, Grant MP, Redett RJ. Surgical indications and ophthalmologic considerations for repair of isolated pediatric orbital fractures:

Multidisciplinary experience in 150 children. American Association of Plastic Surgeons 94th Annual Meeting, April 13th, 2015, Scottsdale, AZ. Abstract #P5. Published in *Plast Reconstr Surg*. 2015. 135(4S): 1212

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63. Brown JJY, **Mundinger GS**, Birgfeld C, Guo Y, Lee A, Hopper RA. Timing of closure of anterior skullbase in syndromic infants: implications for early monobloc. International Society of Craniofacial Surgeons 16th International Congress, September 14th-18th, 2015, Tokyo, Japan.

64. Utria A, Lopez J, Cho R, **Mundinger GS**, VanderKolk C, Dorafshar AH. Timing of cranial vault remodeling in non-syndromic craniosynostosis: a single institution's thirty-year experience. 73rd Annual American Cleft Palate-Craniofacial Association Meeting, April 4th-9th, 2016, Atlanta, GA. Abstract #92

65. **Mundinger GS**, Lopez J, Major M, Anh E, Medina M, Dorafshar AH. Computer aided design and manufacturing in cranial vault remodeling for non-syndromic isolated saggital suture synostosis. 73rd Annual American Cleft Palate-Craniofacial Association Meeting, April 4th-9th, 2016, Atlanta, GA. Abstract #128

66. Chang C, **Mundinger GS**, Utria A, Rottgers A, Susarla S, Redett R, Kumar A. Nutritional outcomes in symptomatic Pierre-Robin sequence: a comparison between tongue lip adhesion and mandible distraction. 73rd Annual American Cleft Palate-Craniofacial Association Meeting, April 4th-9th, 2016, Atlanta, GA. Abstract #128

67. Lopez J, Cho R, Major M, Berli J, Bello R, **Mundinger GS**, Ahn ES, Medina M, Dorafshar AH. Computer aided design and manufacturing in non-syndromic cranial vault reconstruction is not associated with improved surgical outcomes: a single-institution's experience. Podium presentation, American Association of Plastic Surgery 95th Annual Meeting. May 19th -22nd 2016, New York, NY. Abstract #14.

68. Lopez J, Utria A, Cho R, **Mundinger GS**, Jallo GI, Ahn ES, Vander Kolk C, Dorafshar AH. Timing of cranial vault remodeling in non-syndromic craniosynostosis: a single institution's thirty-year experience. Long paper presentation, Northeastern Society of Plastic Surgery 33rd Annual Meeting, October 14th-16th, 2016, Baltimore, MD.

69. Lopez J, Cho R, Major M, Berli J, Bello R, **Mundinger GS**, Ahn ES, Medina M, Dorafshar AH. Computer aided design and manufacturing in non-syndromic cranial vault reconstruction is not associated with improved surgical outcomes. Scientific forum presentation, American College of Surgeons 2016 Clinical Congress, October 16-20th, 2016, Washington, D.C.

70. **Mundinger GS**, Hopper RA, Skladman R, Wenger T, Birgfeld CC, E Buchanan Gruss JS. Defining and correcting orbital asymmetry in isolated unilateral frontosphenoidal synostosis as compared to unicoronal synostosis: a case-control study. American Cleft Palate-Craniofacial Association 74th Annual Meeting, March 13th-18th, Colorado Springs, CO. Abstract # 1086

71. **Munding GS**, Hopper RA, Susarla SM, Dorafshar AH, Fisher MD, Smartt JM, Derderian CA. Le Fort III distraction with simultaneous zygomatic repositioning for severe sleep apnea in achondroplasia. American Cleft Palate-Craniofacial Association 74th Annual Meeting, March 13th-18th, Colorado Springs, CO. Abstract # 1623

Research Review Committees:

2014 Abstract reviewer, 2014 World Transplant Congress, Sections 148 and 149, vascularized composite allograft sections (sections 148 and 149)

2016 Abstract reviewer, 2016 26th International Congress of the Transplantation Society, vascularized composite allograft sections

Inventions and Patents:

None

Scientific Presentations:

Local

1. **Munding GS**. Species interactions within and between inquiline larval fauna of *Sarracenia purpurea* L.: competition or commensalism? Summer thesis presentation, *University of Michigan Biological Station Collections*, 1999. <http://deepblue.lib.umich.edu/handle/2027.42/54844>
2. **Munding GS**, Calvo KR, Nishizuka S, Pingpank JR, Alexander HR. Comparative analysis of bioinformatic methods for proteomic profiling using reverse phase protein microarrays. Oral presentation, National Cancer Institute Clinical Cancer Research Fellows and Young Investigators Retreat, February. 2006, Ocean City, MD.
3. **Munding GS**, Calvo KR, Marks C, Winters M, Shih Joanna, Espina V, Petricoin EF, Liotta LA, Alexander HR, Pingpank JF. Reverse phase protein microarray analysis generates realtime *in vivo* proteomic cell signaling profiles of human tumor responses to regional perfusion chemotherapy. Poster presentation, Pfizer Research and Development Headquarters, Groton CT, May 2006.
4. **Munding GS**. Real time *in vivo* protein signaling profiles of human tumors in response to hyperthermic perfusion with melphalan. Oral presentation, Clinical Research Training Program Scientific Presentations, Masur Auditorium, National Institutes of Health, Bethesda, MD, May 2006.
5. **Munding GS**, Calvo KR, Shih J, Winters M, Nishizuka S, Petricoin EF, Liotta LA, Pingpank JF, Alexander HR. Comparison of reverse phase protein microarray (RPMA) data analysis methods using receiver operator characteristic curves. Oral presentation for George D. Zuidema Award for Resident Meritorious Laboratory Research, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June, 2008.

6. **Mundinger GS**, Gonda K, Mihara M, Koshima I, Narushima M. Intravascular stenting (IVaS) method for fingertip replantation. Oral presentation for Gershon Efron Award for Outstanding Resident Clinical Research, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June 2008.
7. **Mundinger GS**. Narushima M, Mihara M, Yamamoto Y, Iida T, Uchida G, Koshima I. The intravascular stenting method (IVaS) for treatment of lymphedema with multi-configuration lymphaticovenous anastomoses. Oral presentation for Gershon Efron Award for Outstanding Resident Clinical Research, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June 18th, 2009.
8. **Mundinger GS**, Prucz R, Deune EG. Functional reconstruction after limb-sparing surgery for upper extremity sarcoma: assessment of functional outcomes and costs of surgery. Research rounds presentation, 1st Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 25th, 2009.
9. **Mundinger GS**, Hui-Chou H, Reinblatt M. Wounds: basic science, evaluation, grading, and treatment. ACGME resident quality improvement presentation, Johns Hopkins Hospital, Baltimore, MD, October 15th, 2009.
10. **Mundinger GS**. Surgical management of lymphedema. Grand Rounds Presentation, Division of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD. April 1st, 2010.
11. **Mundinger GS**. Hui-Chou HG, Munivenkatappa R, Drachenberg CB, Shipley ST, Jones LS, Dorafshar AH, Bartlett ST, Barth RN, Rodriguez ED. Chronic rejection in two non-human primate models of composite tissue allotransplantation. Research rounds presentation, 2nd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, July 17th, 2010.
12. **Mundinger GS**. Hand and face transplantation: current status and future directions. Grand Rounds Presentation, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital. Baltimore, MD, November 4th, 2010.
13. **Mundinger GS**, Dorafshar AH, Gilson MM, Mithani SK, Smith I, Manson PN, Scalea TM, Rodriguez ED. Blunt-mechanism facial fracture patterns associated with internal carotid artery injuries: analysis of 4,398 patients. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
14. **Mundinger GS**. Anatomy and tumors of the head and neck. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 25th, 2011.
15. **Mundinger GS**. Nasal reconstruction. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, February 9th, 2012.

16. **Mundinger GS.** What is plastic surgery? Young Alumnus Award Speech, St. Andrew's School, Ridgeland, MS. February 13th, 2012.
17. **Mundinger GS,** Munivenkatappa R, Drachenberg, CB, Ha JS, Vaca E, Hui-Chou HG, Shipley ST, Papadimitriou JC, Dorafshar AH, Bartlett ST, Barth RN, Rodriguez ED. Histopathology of chronic rejection in a non-human primate model of facial vascularized composite tissue allotransplantation. Research rounds presentation, 4th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 21st, 2012.
18. **Mundinger GS.** Blepharoplasty. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 30th, 2012.
19. **Mundinger GS.** Lateral arm flaps. Grand rounds presentation. Division of Plastic and Reconstructive Surgery, University of Maryland Medical Center, Baltimore, MD November 16th, 2012.
20. **Mundinger GS.** 50 years in orthognathic surgery: from blind osteotomies to virtual planning. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 30th, 2012.
21. **Mundinger GS,** Christy MR, Borsuk DE, Okhah Z, Bojovic B, Dorafshar AH, Rodriguez ED. Antibiotics and facial fractures: evidence-based recommendations compared to experience-based practice. Oral presentation, 5th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Research Symposium. June 20th, 2013.
22. **Mundinger GS.** Pediatric mandible fractures: principles of management. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 15th, 2013.
23. **Mundinger GS.** Life in Baltimore: resident perspective. Presentation to integrated and independent plastic surgery residency applicants, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD. 2011, 2012, 2013, and 2014 interview days.
24. **Mundinger GS.** 60 years in orthognathic surgery: from blind osteotomies to virtual surgical planning. Grand rounds lecture, Division of Plastic and Reconstructive Surgery, Louisiana State University Health Sciences Center, New Orleans, LA, August 19th, 2016. 1 CME credit lecture
25. **Mundinger GS.** Cleft lip and palate. Grand rounds lecture, Division of Plastic and Reconstructive Surgery, Louisiana State University Medical Center, October 14th, New Orleans, LA. 1 CME credit lecture
26. **Mundinger GS.** Recent advances in craniofacial surgery. Keynote lecture, Louisiana Society of Plastic and Reconstructive Surgery Annual Meeting, October 29th, 2016, University Medical Center, New Orleans, LA. 1 CME credit lecture

27. **Mundinger GS**. Surgical care of cleft lip patients: a team-based approach from birth through adulthood. Invited seminar presentation, pediatric dentistry resident education seminar, Louisiana State University Dental School, January 19th, 2017. New Orleans, LA

28. **Mundinger GS**. Advances in craniofacial surgery: distraction osteogenesis and virtual surgical planning. Grand rounds lecture, Louisiana State University Health Sciences Center / Children's Hospital of New Orleans Pediatric Grand Rounds, February 15th, 2017, Children's Hospital of New Orleans, New Orleans, LA. 1 CME credit lecture

29. **Mundinger GS**. Prenatal imaging of craniofacial anomalies: improving our understanding of developmental origins and team-based craniofacial care. Grand rounds lecture, LSU Obstetrics and Gynecology, March 15th, 2017, Touro Infirmary, New Orleans, LA. 2 CME credits

Regional

1. Tessler O, Bourn L, Lin SL, Dupin C, **Mundinger GS**, Patterson C, St. Hilaire H, Bartow M, Torabi R, Hanemann M. Cosmetic surgeon representation: ensuring board certification transparency and patient awareness. Podium presentation, 60th Annual Southeastern Society of Plastic and Reconstructive Surgery Scientific Meeting, June 2017, Sea Island, GA.

National

1. **Mundinger GS**, Calvo KR, Marks C, Winters M, Espina V, Petricoin III EF, Liotta LA, Alexander Jr HR, Pingpank Jr JF. Real-time *in vivo* proteomic cell signaling profiles of human tumor responses to regional perfusion chemotherapy identifies changes in the EGFR signaling pathway that correlate with clinical outcome. Poster presentation, American Medical Student Association 56th Annual Convention, March 2006, Chicago, IL.

2. **Mundinger GS**, Calvo KR, Shih J, Winters M, Nishizuka S, Petricoin EF, Liotta LA, Pingpank JF, Alexander HR. Comparison of reverse phase protein microarray (RPMA) data analysis methods using receiver operator characteristic curves. Oral presentation, 98th American Association for Cancer Research Annual Meeting, April 2007, Los Angeles, CA.

3. **Mundinger GS**, Prucz R, Deune EG. Functional reconstruction after limb-sparing surgery for upper extremity sarcoma: assessment of functional outcomes and costs of surgery. Concurrent Podium Paper, Plastic Surgery Research Council 54th Annual Meeting, May 30, 2009, Pittsburgh, PA. Abstract # 159A.

4. **Mundinger GS**, Gust S, Micchelli ST, Fishman EK, Hruban RH, Wolfgang C: Adult pancreatic hemangioma: case report and review of the literature. Poster Presentation, 49th Annual Pancreas Club Meeting, May 30-31, 2009, Chicago, IL.

5. **Mundinger GS**, Dorafshar AH, Mithani SK, Hui-Chou HG, Smith I, Manson P, Rodriguez ED. Craniofacial Fracture Patterns Predictive of Blunt Internal Carotid Artery Injury: Analysis of 4,398 Patients with 54 Concomitant Blunt Internal Carotid Artery Injuries. Oral presentation, Scientific Session V: Craniofacial/Pediatrics A, American

Association of Plastic Surgery 89th Annual Meeting, March 22nd, 2010, San Antonio, TX. Abstract #23.

6. **Mundinger GS**, Munivenkatappa R, Sulek JE, Hui-Chou HG, Jones LS Drachenberg CB, Philosophie B, Rodriguez ED, Bartlett ST, Barth RN. Acute rejection, chronic rejection, and notch pathway expression in non-human primate facial composite tissue allotransplantation (CTA). *Am J Transplant* 2010. 10(s4): 478. Poster presentation, Chronic Allograft Injury: Basic Mechanisms, 10th Annual American Transplant Congress, May 4th, 2010, San Diego, CA. Abstract # 252622.

7. **Mundinger GS**, Hui-Chou HG, Nam AJ, Dorafshar AH, Sulek JE, Drachenberg CB, Kukuruga DL, Shipley ST, Jones LS, Bartlett ST, Barth RN, Rodriguez ED. Combined anti-CD28 costimulatory blockade and low-dose tacrolimus therapy in a non-human primate vascularized fibula allograft model. *Plast Reconstr Surg*. 2010. 65(125): 115. Concurrent Podium Paper, Plastic Surgery Research Council 55th Annual Meeting, May 26, 2010, San Francisco, CA. Abstract #153, presentation number 173B.

8. **Mundinger GS**, Narushima M, Hui-Chou HG, Jones LS, Dorafshar AH, Shipley ST, Bartlett ST, Rodriguez ED, Barth R. Facial Composite Tissue Allografts Demonstrate Prolonged Graft Lymphedema Secondary to Impaired Lymphatic Drainage without Evidence of Rejection in a Non-Human Primate Model. *J Am Coll Surg*. 2010. 221(3S): S83. Oral presentation, Surgical Forum, Plastic Surgery II, SF28, 96th Annual American College of Surgeons Clinical Congress, Oct 6th, 2010, Washington, DC.

9. **Mundinger GS**, Hui-Chou HG, Nam AJ, Jones LS Shipley ST, Drachenberg CB, Kukuruga DL, Bartlett ST, Barth RN, Rodriguez ED. Non-human primate models of face and vascularized fibula composite tissue allotransplantation. Podium presentation, American Society for Reconstructive Transplantation 2nd Annual Meeting, Nov. 20th, 2010, Chicago, IL. Abstract #2207.

10. **Mundinger GS**, Hui-Chou HG, Munivenkatappa R, Drachenberg CB, Shipley ST, Jones LS, Dorafshar AH, Bartlett ST, Barth RN, Rodriguez ED. Chronic rejection responses are distinct from acute rejection responses in non-human primate models of facial and vascularized fibula composite tissue allotransplantation. Podium presentation, American Society for Reconstructive Microsurgery Annual Meeting, , Jan. 17th, 2011, Cancun, Mexico. Abstract #11462.

11. **Mundinger GS**, Jones LS, Hui-Chou H, Dorafshar AH, Drachenberg CB, Shipley ST, Vanhove B, Azimzadeh A, Pierson RN, Bartlett ST, Rodriguez ED, Barth RN. Costimulatory blockade does not promote peripheral regulatory mechanisms to prolong composite tissue allograft survival in non-human primates. Podium presentation, American Society for Reconstructive Microsurgery Annual Meeting, Jan. 17th, 2011, Cancun, Mexico,. Abstract #11686.

12. **Mundinger GS**, Kelamis JA, Kim SH, Magarakis M, Jones LS, Ha JA, Rodriguez ED. Tunneled Superficial inferior epigastric artery (SIEA) myocutaneous / vascularized femur chimeric flaps: a model to study the role of vascularized bone marrow in composite allografts. Podium presentation, Basic II Session, American Society for Reconstructive Microsurgery Annual Meeting, January 15th, 2012, Las Vegas, NV. Abstract # 13078.

13. **Mundinger GS**, Vaca E, Kelamis JA, Dorafshar AH, Bojovic B, Christy MR, Manson PN, Rodriguez ED. Facial Fractures with Concomitant Globe Rupture: Injury Mechanisms and Fracture Patterns Associated with Blindness. Poster presentation, American Association of Plastic Surgeons 91st Annual Meeting, April 16th, 2012, San Francisco, CA. Abstract #P49

14. **Mundinger GS**, Christy MR, Borsuk DE, Okhah Z, Bojovic B, Dorafshar AH, Rodriguez ED. Antibiotics and Facial Fractures: Evidence-Based Recommendations Compared to Experience-Based Practice. Poster presentation, 92nd Annual Meeting of the American Association of Plastic Surgeons, April 21st, 2013, New Orleans, LA. Abstract #P34

15. **Mundinger GS**, Bellamy JL, Flores JM, Wimmers E, Yalanis GC, Rodriguez ED, Sacks JM. Do adjunctive flap monitoring technologies impact clinical decision making? An analysis of microsurgeon preferences and behavior by body region. American Society for Reconstructive Microsurgery Annual Meeting, January 25th, 2015, Atlantis Paradise Island, Bahamas.

16. **Mundinger GS**, Lopez J, Major M, Anh E, Medina M, Dorafshar AH. Computer aided design and manufacturing in cranial vault remodeling for non-syndromic isolated saggital suture synostosis. 73rd Annual American Cleft Palate-Craniofacial Association Meeting, April 4th-9th, 2016, Atlanta, GA. Abstract #128

17. **Mundinger GS**, Hopper RA, Skladman R, Wenger T, Birgfeld CC, E Buchanan Gruss JS. Defining and correcting orbital asymmetry in isolated unilateral frontosphenoidal synostosis as compared to unicoronal synostosis: a case-control study. Oral presentation, American Cleft Palate-Craniofacial Association 74th Annual Meeting, March 13th-18th, Colorado Springs, CO. Abstract # 1086

18. **Mundinger GS**, Hopper RA, Susarla SM, Dorafshar AH, Fisher MD, Smartt JM, Derderian CA. Le Fort III distraction with simultaneous zygomatic repositioning for severe sleep apnea in achondroplasia. Poster presentation, American Cleft Palate-Craniofacial Association 74th Annual Meeting, March 13th-18th, Colorado Springs, CO. Abstract # 1623

International

1. **Mundinger GS**, Prucz R, Deune EG. Functional reconstruction after limb-sparing surgery for upper extremity sarcoma: assessment of functional outcomes and costs of surgery. *Plast Reconstr Surg*. 2009. 124(2): 690. Oral presentation, European Plastic Surgery Research Council Inaugural Meeting, August 22nd, 2009, Hamburg, Germany. Abstract OP 31.

2. **Mundinger GS**, Narushima M, Hui-Chou HG, Jones LS, Dorafshar A, Shipley ST, Bartlett ST, Rodriguez ED, Barth RN. Fluorescent imaging of non-human primate composite tissue allografts demonstrates prolonged graft lymphedema independent of rejection. Oral presentation, Advances in Surgery and Imaging Session, 23rd Annual International Congress of the Transplantation Society, August 18th, 2010, Vancouver, BC. Abstract #2653.

3. **Mundinger GS**, Munivenkatappa R, Hui-Chou HG, Drachenberg CB, Shipley ST, Jones LS, Dorafshar A, Rodriguez ED, Bartlett ST, Barth RN. Chronic rejection in a non-human primate model of facial composite tissue allotransplantation: clinical, pathological, and immunohistochemical characterization. Oral presentation, Experimental and Human Tolerance Session, 23rd Annual International Congress of the Transplantation Society, August 18th, 2010, Vancouver, BC. Abstract #2633.

4. **Mundinger GS**, Jones LS, Hui-Chou HG, Drachenberg CB, Shipley ST, Azimzadeh AM, Pierson RN III, Rodriguez ED, Bartlett ST, Barth RN. Costimulatory blockade does not promote survival of skin component in non-human-primate composite tissue allografts. Oral presentation, Experimental and Human Tolerance Session, 23rd Annual International Congress of the Transplantation Society, August 18th, 2010, Vancouver, BC. Abstract #2606.

5. **Mundinger GS**, Ha JS, Vaca E, Kelamis JA, Drachenberg CB, Munivenkatappa R, Shipley ST, Jones LS, Bartlett ST, Barth RN, Rodriguez ED. Histopathology of chronic rejection in non-human primate models of facial and vascularized fibula composite tissue allotransplantation. Joint Plenary Session V: Prope Tolerance, 10th Symposium of the International Hand and Composite Tissue Allotransplantation Society, April 9th, 2011, Atlanta, GA. Abstract #228.

6. **Mundinger GS**, Kapadia H, Dorafshar AH, Lopez J, Roberts S, Medina MA, Soni A, Hopper RA. Segmental midface surgery for severe sleep apnea in achondroplasia. International Society of Craniofacial Surgeons 16th International Congress, September 14th-18th, 2015, Tokyo, Japan.

Invited Presentations and Seminars:

Plenary lectureships or refresher courses at professional meetings/symposia

1. **Mundinger GS**. Chronic changes in non-human primate composite tissue allografts. Composite Allografts Session, 11th Banff Conference on Allograft Pathology, Paris (Enghien-les-Bains), France. June 8th, 2011.

2. **Mundinger GS**. Sources of research funding during residency. Plastic Surgery Foundation Career Fundamentals Workshop: from Residency to Tenure: A Roadmap for Success for the Academic Plastic Surgeon. University of Michigan, Ann Arbor, MI. June 16th, 2012.

3. **Mundinger GS**. Virtual surgical planning: cranial vault applications. Multidisciplinary educational session and panel discussion. American Cleft Palate-Craniofacial Association 74th Annual Meeting, March 18th, Colorado Springs, CO. 3 CME credit lecture / panel discussion.

4. **Mundinger GS**. Approaches to the craniomaxillofacial skeleton. Anatomical symposium with lectures and cadaveric dissections. Louisiana State University Center for Advanced Practice, New Orleans, LA, May 12th, 2017. 8 CME credit symposium.

5. **Mundinger GS**. Cleft lip and palate treatment. Mission Restore East Africa Regional Training Conference, Mombasa, Kenya, June 20th, 2017.

Visiting professorships or seminars

1. **Munding GS.** Vascularized composite tissue allotransplantation: insights from non-human primate models. Invited grand rounds presentation, Division of Plastic and Reconstructive Surgery, University of Mississippi Medical Center, Jackson, MS. February 14th, 2012.
2. **Munding GS.** Horizons in craniofacial surgery: midface, upper face, and vault. Invited grand rounds presentation, Division of Plastic and Reconstructive Surgery, Louisiana State University Health Sciences Center, New Orleans, LA. January 29th, 2016.
3. **Munding GS.** Horizons in midface, upper face, and cranial vault treatment. Invited grand rounds presentation, Department of Plastic and Reconstructive Surgery, Wake Forest Baptist Medical Center, Winston-Salem, NC. March 16th, 2016.

Editorial Posts and Activities:

Journal editorships or associate editorships

None

Reviewer status

4/17-present	Annals of Plastic Surgery	Reviewer / Head and Neck section editor
12/17-present	Applied Sciences	<i>Ad Hoc</i> Reviewer
7/16- present	Craniofacial Trauma and Reconstruction	<i>Ad Hoc</i> Reviewer
6/15- present	Aesthetic Surgery Journal	<i>Ad Hoc</i> Reviewer
2/14 -present	Clinical Transplantation	<i>Ad Hoc</i> Reviewer
5/09- present	Eplasty	<i>Ad Hoc</i> Reviewer

SERVICE ACTIVITIES

University/Institutional Service:

Departmental committees

Plastic Surgery EPIC Update Committee, University Medical Center, New Orleans, 1/17-present

School committees

None

LSUHSC (campus) committees

None

Hospital committees

Division Director's Committee
Children's Hospital of New Orleans, 4/17-present

Trauma Performance Improvement and Patient Safety (PIPS) Committee,
University Medical Center, New Orleans, 1/17-present

EPIC Craniofacial and Plastic Surgery Implementation Committee,
Children's Hospital of New Orleans, 1/17-present

Head and Neck Service Line Committee, University Medical Center New
Orleans, 2/17-present

Johns Hopkins Hospital Housestaff Patient Safety and Quality
Committee: 7/12-6-13

Johns Hopkins House Staff Council Hospital Services, Environment of
Care, and Education Committee: 7/08-6/09

Professional society committees

ASMS Best Paper Award Committee, 2017

Special assignments – ad hoc task forces/working groups, projects, etc

None

Clinical Service:

Surgical correction of pediatric and adult craniofacial congenital
malformations

Surgical reconstruction of pediatric and adult craniofacial trauma

Surgical resection and reconstruction of adult and pediatric cutaneous
lesions and malignancies

Pediatric and adult microsurgical reconstruction

Medical and surgical management of pediatric burns

Pediatric burn reconstruction

Pediatric multidisciplinary vascular malformations clinic

Pediatric multidisciplinary cleft clinic

Pediatric multidisciplinary craniofacial clinic

Adult craniofacial trauma clinic

General pediatric plastic surgery clinic

Pediatric and adult plastic surgery call, 7 days per month on average,
University Medical Center, Touro Hospital, Children's Hospital of New
Orleans

Administrative Responsibilities:

Departmental

Assistant Program Director, Plastic and Reconstructive Surgery
Residency Program, Division of Plastic and Reconstructive Surgery,
Louisiana State University Health Science Center, March 2017-present

School

None

LSUHSC

None

Hospital

Physician Champion, Plastic/Cleft/Craniofacial Children's Hospital of New Orleans Epic EMPIRE implementation team, January 2017-present

Interdisciplinary/other program (center or program)

None

Community Service Activities:

- 1/00-3/00 Volunteer- Alternative Spring Break Hialeah, FL
Developed daily activities for inner-city high school students; served meals at city-wide homeless shelter.
- 9/00-3/01 Site Leader -Alternative Spring Break Eagle Butte, SD
Orchestrated group fundraisers; compiled and presented educational materials on Lakota Sioux culture; led student group to Cheyenne River Reservation; oversaw after-school care program for disadvantaged reservation youth.
- 12/02-12/03 HIV/AIDS Counselor- The Men's Center Baltimore, MD
Performed HIV testing, HIV/AIDS counseling and referrals as a state-certified HIV counselor.
- 7/00,02,03,05 Medical Volunteer -Habitat for Humanity/Salt and Light,Los Caminos, Honduras
Assisted physicians in rural field clinic; laid foundations for several community houses; aided in construction of permanent clinic
- 8/03-07/07 Big Buddy/Little Buddy Program Baltimore, MD
Johns Hopkins Hospital Moore Clinic
Big Buddy to HIV positive teen
- 1/2013 Surgical Volunteer Udon Thani, Thailand
Changing Children's Lives
Cleft mission trip to Prajaksinlapakhom Army
- 11-12/14 Surgical Volunteer San Juan, Puerto Rico
San Jorge Children's Hospital / San Jorge Children's Foundation
Pediatric surgical mission trip. Site leader: Robert L. Walton, MD
- 9/16/2016 Assistance with LSU medical student gross anatomy dissections:
facial nerve, temporal region, infratemporal fossa, New Orleans, LA
- 10/1/2016 Participation and sponsorship, Cleft for a Cause 5K run, Covington, LA
- 6/16-25/2017 Teaching faculty, Mission Restore East Africa Regional Training Trip,
Mombasa, Kenya, and Zanzibar, Tanzania.

Revised: February 2017

