

Curriculum Vitae

Brian M. Parrett, MD

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EDUCATION

1995-1999 **Columbia College of Columbia University**, New York, NY
Bachelor of Arts, Biological Sciences, *summa cum laude*

1999-2003 **Columbia University College of Physicians and Surgeons**, New York, NY
Doctor of Medicine, *alpha omega alpha*

POSTDOCTORAL TRAINING

2003-2009 **Harvard Plastic Surgery Residency Program**, Boston, MA
Resident, Plastic & Reconstructive Surgery

2009-2010 **The Buncke Clinic, California Pacific Medical Center**, San Francisco, CA
ACGME Hand & Microsurgery Fellowship

BOARD CERTIFICATIONS

2011-present **American Board of Plastic Surgery**, Diplomate, Board ID #: 109989

2012-present **Certificate of Added Qualification, Hand Surgery**

CURRENT APPOINTMENT

2010-present **Attending Plastic Surgeon**
Sutter Pacific Medical Foundation, San Francisco, CA

ACADEMIC APPOINTMENT

2014-present **Clinical Instructor (Affiliate) in Surgery**
Division of Plastic & Reconstructive Surgery, Stanford University School of Medicine

2014-present **Assistant Clinical Professor (Volunteer)**
Division of Plastic & Reconstructive Surgery, University of California-San Francisco

PROFESSIONAL SOCIETIES

2007-present American Society of Reconstructive Microsurgery

2015-present American Society of Plastic Surgeons

HONORS & PRIZES

1998 Phi Beta Kappa

1999 Summa cum Laude

2002 First Prize Columbia University Department of Surgery Research Competition

2003 Alpha Omega Alpha Honor Society

2003 Dr. Alan Whipple Memorial Prize for Surgical Excellence

2003 American Medical Association Research Seed Grant

2003 Arnold P. Gold Foundation Humanism in Medicine Award

2003 Columbia University Department of Surgery Research Grant

2008 Elected to Harvard Plastic Surgery Executive Committee, Resident Representative

RESEARCH EXPERIENCE

2000-2003 **Columbia University Division of Plastic Surgery**

1. Studied diabetic wound healing with fibroblasts retrovirally transduced with the PDGF gene and lentiviral vectors delivering PDGF and sRAGE.
2. Studied the differentiation and implantation of fat-derived stem cells.

PRESENTATIONS

Parrett BM, Grant RT, Breitbart AS. "Accelerated Diabetic Wound Healing Using Cultured Fibroblasts Retrovirally Transduced with the PDGF Gene." *Plastic Surgery Research Council*. Boston, MA, 2002.

Parrett BM, Grant RT, Breitbart AS. "Lentiviral Transfection of the PDGF Gene into the Regenerating Dermis of Diabetic Wounds." *Plastic Surgery Research Council*. Las Vegas, NV, 2003.

Parrett BM, Pribaz JJ, Orgill DP. "Lower Extremity Trauma: Trends in the Soft Tissue Reconstruction of Open Fractures." *American Society for Reconstructive Microsurgery*. Puerto Rico, 2005.

Parrett BM, Pomahac B, Demling RH, Orgill DP. "Fourth Degree Lower Extremity Burns: A Ten-Year Experience." *American Burn Association*. Chicago, IL, 2005.

Parrett BM, Tobias AM, Lee BT. "DIEP Flaps in Women with Abdominal Scars: Are Complication Rates Affected?" *American Society for Reconstructive Microsurgery*. Beverly Hills, CA, 2008.

Parrett BM, Pribaz JJ, Matros E, Sampson C, Orgill DP. "Risk Analysis for the Reverse Sural Fasciocutaneous Flap in Distal Leg Reconstruction." *American Society for Reconstructive Microsurgery*. Maui, HI, 2009.

Parrett BM, Winograd J, Lin S, Taghnia A, Lee BT. “The Posterior Tibial Artery Perforator Flap: An Alternative to Free Flap Closure in the Co-morbid Patient.” *American Society for Reconstructive Microsurgery*. Maui, HI, 2009.

Talbot S, **Parrett BM**, Rogers GF. “Compartment Syndrome After Delayed Detection of IV Infiltrates in Infants.” *New England Society of Plastic & Reconstructive Surgeons*. Boston, MA, 2009.

Parrett BM, Bou-Merhi J, Buntic R, Buncke G, Safa B, Brooks D. Choosing the Ideal Free Flap for Dorsal Hand and Distal Forearm Coverage. *American Society for Reconstructive Microsurgery*. Boca Raton, FL, 2010.

Singer MI, **Parrett BM**. Evolution of the Treatment and Reconstruction of Head and Neck Cancer. *University of the Pacific School of Dentistry Grand Rounds*. San Francisco, CA, 2010.

Parrett BM, Singer MI. Evidence to Refine Selective Neck Dissection in Head and Neck Cancer by Using Pre-Operative Lymphoscintigraphy. *4th World Congress of International Federation of Head and Neck Oncologic Societies*. Seoul, South Korea, 2010.

Parrett B, Buntic R, Brooks D, Prince J, Singer M. Tongue Reconstruction: Preserving Form and Function while Decreasing Donor Site Morbidity Using the Partial Superior Latissimus Flap. *4th World Congress of International Federation of Head and Neck Oncologic Societies*. Seoul, South Korea, 2010.

Parrett B, Austen W, Upton J, Buntic R, Singer M. The Subcutaneous Cervicofacial Flap Revisited. *4th World Congress of International Federation of Head and Neck Oncologic Societies*. Seoul, South Korea, 2010.

Parrett BM, Buntic RF, Buncke GM, Brooks D, Lowenberg D. Long-Term Results and Costs of Free Flap Coverage and Ilizarov Bone Transport in Lower Limb Salvage. *American Society for Reconstructive Microsurgery*. Cancun, Mexico, 2011.

Emmanuel G, Brooks D, Buntic R, Buncke G, Safa B, **Parrett BM**. Maximizing Outcomes in Rope Avulsion Thumb Injuries. *American Association of Hand Surgery*. Cancun, Mexico, 2011.

Parrett BM, Fadaki L, Kashani-Sabet M, Singer MI, Leong SPL. The Impact of Selective Sentinel Lymph Node Dissection on the Clinical Outcome of Head and Neck Melanoma Patients. *4th International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy*. New York, NY, 2011.

Fadaki N, Thummala S, **Parrett B**, Kashani-Sabet M, Leong SP. Distinct Clinical Behavior of Head and Neck Melanoma. *4th International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy*. New York, NY, 2011.

Parrett BM, Buntic RF, Buncke GM, Brooks D, Lowenberg D. Long-Term Results and Costs of Free Flap Coverage and Ilizarov Bone Transport in Lower Limb Salvage. *International Society for Plastic, Reconstructive and Aesthetic Surgery*. Vancouver, Canada, 2011.

Parrett BM. The Reconstruction of Difficult Melanoma Defects. *California Pacific Medical Center 2nd Annual Conference: Controversies in the Management of Breast Cancer and Melanoma*. San Francisco, CA, 2011.

Parrett BM, Woo A, Singer M, Kashani-Sabet M, Leong S. Lymphatic Drainage Patterns and Clinical Significance of Sentinel Lymph Node Dissection for External Ear Melanoma. *Pacific Coast Surgical Association*. Napa, CA, 2012.

Fadaki N, **Parrett B**, Thummala S, Martineau L, Miller J, Kashani-Sabet M, Leong S. Sentinel Node Status and Clinical Outcomes of Cutaneous Melanoma from Different Anatomic Sites. *Pacific Coast Surgical Association*. Napa, CA, 2012.

Miranda S, **Parrett B**, Lee G, Chang T, Thummala S, Morita E, Fadaki N, Kashani-Sabet M, Leong S. Outcomes of Selective Sentinel Lymphadenectomy in Lower Extremity Melanoma. *Pacific Coast Surgical Association*. Napa, CA, 2012.

Parrett BM, Singer MI. Head and Neck Reconstruction: The Buncke Clinic Experience. *Stanford Plastic Surgery Grand Rounds*. Palo Alto, CA, 2012.

Singer MI, **Parrett BM**. Surgical Considerations of Total Laryngectomy and Pharyngeal Reconstruction. *Stanford/Massachusetts Eye and Ear Infirmary TEP Course*. Palo Alto, CA, 2012

Parrett BM, Kashani-Sabet M, Singer MI, Buntic R, Leong SPL. The Long Term Outcomes of 375 Head and Neck Melanoma Patients Treated with Excision and Sentinel Lymph Node Biopsy. *American Association of Plastic Surgeons*. San Francisco, CA, 2012.

Chang J, Singer MI, Kashani-Sabet M, **Parrett BM**. The Safety of Immediate Reconstruction of Melanoma Defects. *California Society of Plastic Surgeons Annual Meeting*. San Francisco, CA, 2013.

Kuri M, Lowenberg D, Buntic B, Buncke G, **Parrett BM**. Long-Term Outcomes of Ilizarov Bone Transport and Free Muscle Flaps for Reconstruction of Chronic Infected Tibial Nonunion. *California Society of Plastic Surgeons Annual Meeting*. San Francisco, CA, 2013.

INVITED TALKS

1. **American Society of Plastic Surgeons Panel: New Technologies for Complex Wounds**
ASPS Annual Meeting, New Orleans, Louisiana, 2012
2. **American Society of Plastic Surgeons Panel: Controversies and Technology in Microsurgery**
ASPS Annual Meeting, Chicago, Illinois, 2014

PEER-REVIEWED JOURNAL PUBLICATIONS

1. Lee JA, **Parrett BM**, Conejero JA, et al. Biological alchemy: engineering bone and fat from fat-derived stem cells. *Ann Plast Surg*. 2003; 50:610-7.
2. Breitbart AS, Laser J, **Parrett B**, et al. Accelerated diabetic wound healing using cultured dermal fibroblasts retrovirally transduced with the platelet-derived growth factor B gene. *Ann Plast Surg*. 2003; 51:409-14.
3. Hanasono MM, **Parrett BM**, Breitbart AS. Posttransplant lymphoproliferative disorder presenting as a cutaneous forehead mass. *Otolaryngol Head Neck Surg*. 2004; 130:372-4.

4. Lee JA, Conejero J, Mason JM, **Parrett BM**, et al. Lentiviral transfection with the PDGF-B gene improves diabetic wound healing. *Plast Reconstr Surg.* 2005; 116:532-8.
5. **Parrett BM**, Pomahac B, Demling R, Orgill DP. Fourth degree burns to the lower extremity with exposed tendon and bone: a ten-year experience. *J Burn Care Res.* 2006; 27:34-9.
6. Conejero JA, Lee JA, **Parrett BM**, et al. Repair of palatal bone defects using osteogenically differentiated fat-derived stem cells. *Plast Reconstr Surg.* 2006; 117:857-63.
7. **Parrett BM**, Matros E, Pribaz JJ, Orgill DP. Lower extremity trauma: trends in the management of soft tissue reconstruction of open tibia-fibula fractures. *Plast Reconstr Surg.* 2006; 117:1315-22.
8. **Parrett BM**, Orgill DP. Discussion. *Plast Reconstr Surg.* 2006; 117:2476-7.
9. **Parrett BM**, Orgill DP, Marsee D, et al. Novel presentation of intraneural nodular fasciitis of the sciatic nerve. *J Peripher Nerv Syst.* 2007; 12:61-3.
10. **Parrett BM**, Pomahac B, Orgill DP, Pribaz JJ. The role of free-tissue transfer for head and neck burn reconstruction. *Plast Reconstr Surg.* 2007; 120:1871-8.
11. **Parrett BM**, Tobias A, Lee BT. The rib-sparing technique for internal mammary vessel exposure in microsurgical breast reconstruction. *Ann Plast Surg.* 2008; 60:241-3.
12. **Parrett BM**, Tobias AM, Lee BT. DIEP flaps in women with abdominal scars: Are complication rates affected? *Plast Reconstr Surg.* 2008; 121:1527-31.
13. Donelan MB, **Parrett BM**, Sheridan R. Pulsed-dye laser and z-plasty in facial burn scars: the alternative to excision. *Ann Plast Surg.* 2008; 60:480-6.
14. **Parrett BM**, Winograd JA, Garfein ES, et al. Vertical and extended rectus abdominis myocutaneous flaps for reconstruction of radiated thigh and groin defects. *Plast Reconstr Surg.* 2008; 122:171-7.
15. **Parrett BM**, Winograd JA, Lin SJ, et al. The posterior tibial artery perforator flap: an alternative to free flap closure in the co-morbid patient. *J Reconstr Microsurg.* 2009; 25:105-110.
16. **Parrett BM**, Sepic J, Pribaz JJ. The contralateral rectus abdominis musculocutaneous flap for treatment of lower extremity lymphedema. *Ann Plast Surg.* 2009; 62:75-9.
17. Austen WG Jr, **Parrett BM**, Taghinia A, Upton J. The subcutaneous cervicofacial flap revisited. *Ann Plast Surg.* 2009; 62:149-53.
18. **Parrett BM**, Pribaz JJ, Matros E, Orgill DP. Risk analysis for the reverse sural fasciocutaneous flap in distal leg reconstruction. *Plast Reconstr Surg.* 2009; 123:1499-504.
19. **Parrett BM**, Pribaz JJ. An algorithm for treatment of nasal defects. *Clin Plast Surg.* 2009; 36:407-20.
20. Xu YB, Liu J, Li P, Donelan MB, **Parrett BM**, Winograd JM. The phrenic nerve as a motor nerve donor for facial reanimation with the free latissimus dorsi muscle. *J Reconstr Microsurg.* 2009; 25:457-63.
21. **Parrett BM**, Talbot S, Pribaz JJ, Lee BT. A review of local and regional flaps for distal leg reconstruction. *J Reconstr Microsurg.* 2009; 25:445-55.

22. **Parrett BM**, Lee BT. More on the rib-sparing approach to the internal mammary vessels. *Plast Reconstr Surg.* 2009; 124:1366-7.
23. **Parrett BM**, Donelan MB. Pulsed dye laser in burn scars: current concepts and future directions. *Burns.* 2010; 36:443-9.
24. Talbot SG, **Parrett BM**, Yaremchuk MJ. Sepsis after autologous fat grafting. *Plast Reconstr Surg.* 2010; 126:162e-164e.
25. **Parrett BM**, Bou-Merhi J, Buntic RF, Safa B, Buncke G, Brooks D. Refining outcomes in dorsal hand coverage: consideration of aesthetics and donor site morbidity. *Plast Reconstr Surg.* 2010; 126:1630-8.
26. **Parrett BM**, Schook C, Morris D. Breast reduction in the irradiated breast: evidence for the role of breast reduction at the time of lumpectomy. *Breast J.* 2010; 16:498-502.
27. Liu LC, **Parrett BM**, Jenkins T, et al. Selective Sentinel Lymph Node Dissection for Melanoma: Importance of Harvesting Nodes with Lower Radioactive Counts without the Need for Blue Dye. *Ann Surg Oncol.* 2011;18:2919-24.
28. Brooks DN, Weber RV, Chao JD, Rinker BD, Zoldos J, Robichaux MR, Ruggeri SB, Anderson KA, Bonatz EE, Wisotsky SM, Cho MS, Wilson C, Cooper EO, Ingari JV, Safa B, **Parrett BM**, Buncke GM. Processed nerve allografts for peripheral nerve reconstruction: a multicenter study of utilization and outcomes in sensory, mixed, and motor nerve reconstructions. *Microsurgery.* 2012;32:1-14.
29. **Parrett BM**, Woo A, Buntic R, Singer M. The safety of major head and neck surgery in patients taking clopidogrel (Plavix). *Plast Reconstr Surg.* 2012;129:375e-376e.
30. **Parrett BM**, Kashani-Sabet M, Singer MI, Li R, Thummala S, Fadaki N, Leong SP. Long-term prognosis and significance of the sentinel lymph node in head and neck melanoma. *Otolaryngol Head Neck Surg.* 2012;147:699-706.
31. **Parrett BM**, Accortt NA, Li R, et al. The effect of delay time between primary melanoma biopsy and sentinel lymph node dissection on sentinel node status, recurrence, and survival. *Melanoma Res.* 2012;22:386-91.
32. **Parrett BM**, Przylecki WH, Singer MI. Reliability of the facial artery musculomucosal flap for intraoral reconstruction in patients who have undergone previous neck dissection and radiation therapy. *Plast Reconstr Surg.* 2012;130:910e-912e.
33. Lowenberg DW, Buntic RF, Buncke GM, **Parrett BM**. Long-term results and costs of muscle flap coverage with Ilizarov bone transport in lower limb salvage. *J Orthop Trauma.* 2013;27:576-81.
34. Fadaki N, Li R, **Parrett B**, et al. Is head and neck melanoma different from trunk and extremity melanomas with respect to sentinel lymph node status and clinical outcome? *Ann Surg Oncol.* 2013;20:3089-97.
35. Miranda SG, Li R, **Parrett B**, et al. Abstract 17: selective sentinel lymph node dissection in lower extremity melanoma. *Plast Reconstr Surg.* 2014;133(4 Suppl):985.

36. **Parrett BM**, Kashani-Sabet M, Leong SP, et al. The safety of and indications for immediate reconstruction of head and neck melanoma defects: our early experience. *Ann Plast Surg.* 2014;72 Suppl 1:S35-7.
37. Momeni A, **Parrett BM**, Kuri M. Using an unconventional perfusion pattern in ear replantation-arterialization of the venous system. *Microsurgery.* 2014 Aug 13.
38. Momeni A, Liu X, Januszyk M, Wan DC, Buncke GM, Buntic RF, **Parrett BM**. Microsurgical ear replantation-is venous repair necessary?-A systematic review. *Microsurgery.* 2015 Apr 3.

NON- PEER REVIEWED JOURNAL PUBLICATIONS

Parrett BM, Bayer L, Orgill DP. Use of microdeformational wound therapy in difficult wounds. *Oper Tech Gen Surg.* 2006; 8:192-6.

Parrett BM, Pribaz JJ. Lower extremity reconstruction. *Revista Médica Clínica las Condes. (Chile, South America Medical Journal)* 2010.

BOOK CHAPTERS

Parrett BM, Winer J, Orgill DP. Surgical management of soft tissue infections. In: Guyuron B, Eriksson E, Persing J, editors. *Plastic Surgery: Indications and Practice.* London: Elsevier; 2008.

Parrett BM, Pribaz JJ. Prefabricated and prelaminated flaps. In: Neligan PC, Wei FC, editors. *Microsurgical Reconstruction of the Head and Neck.* St. Louis: Quality Medical Publishing; 2009.

Parrett BM, Pribaz JJ, Jones GE. Decisions in breast reconstruction. In: Jones GE, editor. *Bostwick's Plastic & Reconstructive Breast Surgery.* St. Louis: Quality Medical Publishing; 2009.

Parrett BM, Pribaz JJ. Prefabricated and prelaminated flaps. In: Hyakusoku H, Orgill DP, Teot L, Pribaz JJ, Ogawa R, editors. *Color Atlas of Burn Reconstructive Surgery.* Heidelberg: Springer; 2010.

Parrett BM, Fadaki L, Rhee JY, Leong SPL. The Biology and Clinical Relevance of Sentinel Lymph Nodes in Melanoma. In: Prof. Mandi Murph, editor. *Melanoma in the Clinic - Diagnosis, Management and Complications of Malignancy*, ISBN: 978-953-307-571-6, InTech; 2011.

Parrett BM, Pribaz JJ. Nasal reconstruction. In: Lin SJ, Hijjawi J, editors. *Plastic and Reconstructive Surgery, Pearls of Wisdom, Second Edition.* New York: McGraw Hill Medical; 2011.

Parrett BM, Slavin S. Breast augmentation. In: Lin SJ, Hijjawi J, editors. *Plastic and Reconstructive Surgery, Pearls of Wisdom, Second Edition.* New York: McGraw Hill Medical; 2011.

Parrett BM, Pribaz JJ. The FAMM flap. In: Shokrollahi K, editor. *The Canniesburn Flap Manual.* Glasgow: Publisher; in press.

Parrett BM, Lin SJ. Spreader grafting. In: Lin SJ, Mustoe TA, editors. *Aesthetic Head and Neck Surgery: An Operative Atlas.* New York: McGraw Hill Medical; in press.

Parrett BM, Lin SJ. SMAS/facial retaining ligaments. In: Lin SJ, Mustoe TA, editors. *Aesthetic Head and Neck Surgery: An Operative Atlas.* New York: McGraw Hill Medical; in press.