

JOSEPH MICHAELS, MD

Monarch Aesthetic & Reconstructive Plastic Surgery
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EDUCATION

The Mount Sinai School of Medicine, New York, NY
Doctor of Medicine, Alpha Omega Alpha

University of Pennsylvania, Philadelphia, PA
Bachelor of Arts in Biological Basis of Behavior and Psychology, *Cum Laude*

South Side High School, Rockville Centre, NY
International Baccalaureate Degree

PROFESSIONAL TRAINING

Post-Bariatric Body Contouring Fellowship
Clinical Instructor of Surgery (Plastics)
University of Pittsburgh Medical Center, Pittsburgh, PA

Institute of Reconstructive Plastic Surgery
New York University Medical Center, New York, NY
Executive Chief Resident, Categorical Resident in Plastic Surgery, PGY-9

New York University Medical Center, New York, NY
General Surgery Categorical Resident, PGY-6/R4

Plastic Surgery Research Fellowship
Laboratory of Microvascular Research and Vascular Tissue Engineering
Institute of Reconstructive Plastic Surgery
New York University School of Medicine, New York, NY
Principal Investigator: Geoffrey C. Gurtner, MD
Demonstrated that a novel delivery system utilizing genetically modified microvascular free flaps suppressed local tumor growth while minimizing systemic toxicity. Developed a novel model of wound healing in mice to evaluate pharmacologic agents and gene therapy-mediated interventions. Performed multiple wound healing studies in mice.

Microsurgery Education/Laboratory Course
New York University Medical Center, New York, NY

New York University Medical Center, New York, NY
General Surgery Categorical Resident, PGY-3

LICENSURE

Maryland State License #D0068797
District of Columbia License #MD037864
Commonwealth of Virginia License #0101245191
New York State License #221470

BOARD CERTIFICATION

American Board of Plastic Surgery

HONORS AND AWARDS

James Barrett Brown Award, Co-first author, best plastic surgery-related paper published in *Plastic and Reconstructive Surgery*, Senior author: GC Gurtner
ASPS/PSEF Senior Residents Conference Best Microsurgery Paper Award
New York Regional Society of Plastic Surgeons Resident's Night Research Competition, First Place
Executive Chief Resident, Institute of Reconstructive Plastic Surgery
New York Society for Vascular Surgery Research Award Co-Winner
New York Regional Society of Plastic Surgeons Resident's Night Research Competition, Third Place
New York Society for Vascular Surgery Research Award Co-Winner
American Board of Surgery In-Training Examination Award
Alpha Omega Alpha, Medical School Honor Society,
The Mount Sinai School of Medicine, New York, NY
Clinical Rotation Honors: Plastic Surgery Subinternship, General Surgery, Internal Medicine, Internal Medicine Subinternship, OB/GYN, Neurology, Psychiatry
Dean's List, University of Pennsylvania

RESEARCH GRANTS

National Endowment for Plastic Surgery Grant
Plastic Surgery Educational Foundation
Adipose-Derived Stem Cell Therapy to Enhance Wound Healing
Co-Principal Investigators: Joseph Michaels V, MD and J. Peter Rubin, MD

NIH R01 AG-25016
National Institute of Aging
Impaired Stem Cell Trafficking in Complications of Aging
Principal Investigator: Geoffrey C. Gurtner, MD

NIH R21 EB-02265
National Institute of Biomedical Imaging and Bioengineering
Explanted microvascular beds for complex tissue engineering
Principal Investigator: Geoffrey C. Gurtner, MD

Translational Research Program Grant
NYU Cancer Institute
Biologic Brachytherapy: Ex Vivo Gene Therapy of Microvascular Free Flaps for Locally Advanced Cancer
Principal Investigator: Geoffrey C. Gurtner, MD

ADDITIONAL RESEARCH EXPERIENCE

The Mount Sinai School of Medicine, New York, NY
Department of Human Genetics
Principal Investigator: Bruce D. Gelb, M.D.
Initiated a protocol to isolate the cathepsin K gene, a lysosomal cysteine protease expressed in bone osteoclasts and in gene mutations involved in the autosomal recessive skeletal dysplasia, pycnodysostosis.

The Mount Sinai School of Medicine, New York, NY
Department of Human Genetics
Principal Investigator: Bruce D. Gelb, M.D.
Performed genetic linkage studies to isolate the gene locus for the microdeletion involved in the generalized skeletal dysplasia, cleidocranial dysplasia.

University of Pennsylvania, Philadelphia, PA

Department of Psychology

Principal Investigator: Robert J. DeRubeis, Ph.D.

Mediation of Relapse Prevention in Cognitive Therapy of Depression, a double-blinded, randomized, controlled study measuring how males and females utilize coping skills.

PROFESSIONAL ORGANIZATION MEMBERSHIPS

American Society of Plastic Surgeons

American Board of Plastic Surgery

American Society for Aesthetic Plastic Surgery (Candidate Member)

Alpha Omega Alpha

EDITOR / BOOK CHAPTERS

1. Editorial Board Member, *Bariatric Times*
2. Rubin JP and **Michaels J**. Breast Reduction and Mastopexy after Massive Weight Loss. In: Spear SL (Ed.), *Surgery of the Breast: Principles and Art*, 3rd Edition. Philadelphia, Lippincott Williams & Wilkins, 2011.
3. Rubin JP and **Michaels J**. Management of the Breasts Following Massive Weight Loss. In Strauch B and Herman CK (Eds.), *Encyclopedia of Body Sculpting*, 1st Edition. New York, Thieme Publishers, 2010.
4. **Michaels J** and Rubin JP. Management of the Upper Back Following Massive Weight Loss. In Strauch B and Herman CK (Eds.), *Encyclopedia of Body Sculpting*, 1st Edition. New York, Thieme Publishers, 2010.
5. **Michaels J** and Rubin JP. Management of the Arms Following Massive Weight Loss. In Strauch B and Herman CK (Eds.), *Encyclopedia of Body Sculpting*, 1st Edition. New York, Thieme Publishers, 2010.
6. Rubin JP and **Michaels J**. Breast Surgery After Massive Weight Loss. In Jones, GE (ed.), *Bostwick's Plastic & Reconstructive Breast Surgery*, 3rd Edition. St. Louis, Quality Medical Publishing, Inc., 2010.
7. **Michaels J** and Siebert JW. Aesthetic Microsurgery of the Face. In: Aston S, Steinbrech D & Walden J (Eds.), *Aesthetic Plastic Surgery*. Philadelphia, Elsevier, 2009.
8. **Michaels J**. Wound Healing. In: Blackburne LH (Ed.), *Extreme Surgical Recall*, 1st Edition. Philadelphia Lippincott Williams & Wilkins, to be tentatively published in 2009.
9. Margiotta MS and **Michaels J**. Gynecomastia. In: McCarthy JG, Galiano RD, and Boutros S (Eds.), *Current Therapy in Plastic Surgery*, 1st Edition. Philadelphia, Elsevier, 2006.
10. Margiotta MS and **Michaels J**. Lymphedema. In: McCarthy JG, Galiano RD, and Boutros S (Eds.), *Current Therapy in Plastic Surgery*, 1st Edition. Philadelphia, Elsevier, 2006.
11. **Michaels J**. Contributing Editor, In: Blackburne LH (Ed.), *Surgical Recall*, 4th Edition. Philadelphia, Lippincott Williams & Wilkins, 2005.

PUBLICATIONS

1. **Michaels J**, Friedman T, Coon D, Purnell C, Rubin JP. Lower Body Lift with Gluteal Autoaugmentation to Improve Buttock and Lateral Thigh Aesthetics in the Massive Weight Loss Patient. Manuscript in preparation.
2. **Michaels J**, Friedman T, Coon D, Purnell C, Rubin JP. Management of the inverted V deformity using the superficial fascial system. Manuscript in preparation.
3. **Michaels J**, Friedman T, Coon D, Rubin JP. The body contouring consult: do we see eye to eye? Manuscript in preparation.
4. Coon D, **Michaels J**, Gusenoff J, Purnell C, Friedman, T, Rubin, JP. Intraoperative factors in body contouring outcomes: hypothermia predicts seroma formation. Manuscript in Preparation.
5. **Michaels J**, Friedman, Coon D, Purnell C, Rubin JP. Venous thromboembolism prophylaxis in the massive weight loss patient: a safe approach. Manuscript in Preparation.
6. **Michaels J**, Friedman T, Coon D, Rubin JP. Safe management of the giant pannus. Manuscript in preparation.
7. **Michaels J**, Coon D, Rubin JP. Complications in postbariatric body contouring based on different weight loss methods. *Plast Reconstr Surg* 2011;128(6):783e-4e.
8. **Michaels J**, Coon D, Rubin JP. Complications of postbariatric body contouring: postoperative management and treatment. *Plast Reconstr Surg* 2011;127(4):1693-700.
9. **Michaels J**, Coon D, Rubin JP. Complications of postbariatric body contouring: strategies for assessment and prevention. *Plast Reconstr Surg* 2011;127(3):1352-7.
10. **Michaels J**, Coon D, Rubin JP. Post-bariatric surgery body contouring: a learning curve. *Plast Reconstr Surg* 2011;127(3):69e-70e.

11. **Michaels J**, Friedman T, Coon, D, Rubin, JP. Mons rejuvenation in the massive weight loss patient using superficial fascial system suspension. *Plas Reconstr Surg* 2010;126(1):45e-46e.
12. Friedman T, O'Brien Coon D **Michaels J**, Bontempo FA, Young VL, Clavijo J, Rubin JP. Hereditary coagulopathies: practical diagnosis and management for the plastic surgeon. *Plast Reconstr Surg* 2010;125(5):1544-52.
13. Friedman T, O'Brien Coon D, **Michaels J**, Purnell C, Hur S, Harris DN, Rubin JP. Fleur-de-Lis abdominoplasty: a safe alternative to traditional abdominoplasty for the massive weight loss patient. *Plast Reconstr Surg* 2010;125(5):1525-35.
14. Coon D, **Michaels J**, Gusenoff JA, Purnell C, Friedman T, Rubin JP. Multiple procedures and staging in the massive weight patient. *Plast Reconstr Surg* 2010;125(2):691-8.
15. **Michaels J**, Rubin JP. Discussion. A comparative analysis and systematic review of the wound-healing milieu: implications for body contouring after massive weight loss. *Plast Reconstr Surg* 2009;124(5):1683-4.
16. Sebastian, JL, **Michaels J**, Tang, LW, Rubin JP. Thiamine deficiency in a gastric bypass patient leading to acute neurologic compromise after plastic surgery. *Surg Obes Relat Dis* 2010;6(1):105-6.
17. Chang EI, Bonillas RG, El-ftesi S, Chang EI, Ceradini, DJ, Vial IN, Chan DA, **Michaels J**, Gurtner GC. Tissue engineering using autologous microcirculatory beds as vascularized bio-scaffolds. *FASEB J*: 2009;23(3):906-15. Epub ahead of print 2008 Nov 10.
18. Khonsari RH, Blechman KM, **Michaels J**, Vigler M, Chiu DT, Wallerstein R, Blei F. Vascular malformations and upper extremity anomalies associated with a subtelomeric microdeletion of chromosome 4p. *Clin Dysmorphol* 2008;17(3):193-4.
19. **Michaels J***, Dempsey MP*, Hamou C*, Ghali S, Jazayeri L, Grogan RH, Gurtner GC. Using Genetically Modified Microvascular Free Flaps to Deliver Local Cancer Immunotherapy with Minimal Systemic Toxicity. *Plas Reconstr Surg* 2008;121(5):1541-53.
20. **Michaels J**, Churgin SS, Blechman KM, Greives MR, Aarabi S, Galiano RD, Gurtner GC. *db/db* mice exhibit severe wound healing impairments compared to other murine models of diabetes. *Wound Repair Regen* 2007;15(5):665-70.
21. Gold LI, Rahman M, Blechman KM, Greives MR, Churgin S, **Michaels J**, Callaghan MJ, Cardwell NL, Pollins AC, Michalak M, Siebert JW, Levine JP, Gurtner GC, Nanney LB, Galiano RD, Cadacio CL. Overview of the Role for Calreticulin in the Enhancement of Wound Healing through Multiple Biological Effects. *J Invest Dermatol* 2006 Sep;126 Suppl:57-65.
22. **Michaels J**, Levine JP, Hazan A, Soltanian H, Galiano RD, Ceradini DJ, and Gurtner GC. Biologic brachytherapy: ex-vivo transduction of microvascular beds for efficient, targeted gene delivery. *Plast Reconstr Surg* 2006;118(1):54-65.
23. **Michaels J**, Dobryansky M, Galiano RD, Bhatt KA, Ashinoff R, Ceradini DJ, and Gurtner GC. Topical vascular endothelial growth factor (VEGF) reverses delayed wound healing secondary to angiogenesis inhibitor administration. *Wound Repair Regen* 2005;13(5):506-12.
24. Rowe NM, **Michaels J**, Soltanian H, Dobryansky M, Peimer CA and Gurtner GC. Sonographically guided percutaneous carpal tunnel release: an anatomic and cadaveric study. *Ann Plast Surg* 2005;55(1):52-6.
25. **Michaels J***, Galiano RD*, Dobryansky M, Levine JP, Gurtner GC. A quantitative and reproducible murine model of wound healing. *Wound Repair Regen* 2004;12:485-492.
26. **Michaels J**, Dobryansky M, Galiano RD, Ceradini DJ, Bonillas R, Jones D, Seiser N, Levine JP, and Gurtner, GC. Ex vivo transduction of microvascular free flaps for localized peptide delivery. *Ann Plast Surg* 2004; 52(6):581-584.
27. Ashinoff RL, Cetrulo CL, Galiano RD, Dobryansky M, Bhatt KA, Ceradini DJ, **Michaels J**, McCarthy JG, and Gurtner GC. Bone morphogenetic protein-2 gene therapy for mandibular distraction osteogenesis. *Ann Plast Surg* 2004;52(6):585-591.
28. Dobryansky M, Galiano RD, Cetrulo CL, Bhatt KA, **Michaels J**, Ashinoff RL, Levine JP, and Gurtner GC. Endostatin inhibits ischemia-induced neovascularization and increases ischemic tissue loss. *Ann Plast Surg* 2004;52(5):512-518.

* Denotes Co-First Author

PEER-REVIEWED ABSTRACTS

1. **Michaels J**, Toy J, Bubar N, Coon, D, Rubin JP. Safe management of the giant pannus. 27th Annual American Society for Metabolic and Bariatric Surgery Meeting, June 21-26, 2010, Las Vegas, NV.

2. Toy J, Chong, T, **Michaels J**, Devin Coon, Rubin JP. Body contouring after massive weight loss in the male patient – special considerations and outcomes. 27th Annual American Society for Metabolic and Bariatric Surgery Meeting, June 21-26, 2010, Las Vegas, NV.
3. Toy J, O'Brien-Coon D, **Michaels J**, Purnell C, Bubar N, Rubin JP. (2010, June). Giant Panniculectomy: Perioperative Management and Results. University of Pittsburgh Plastic Surgery Resident Research Symposium, June 2010, Pittsburgh, PA.
4. O'Brien-Coon D, Purnell C, Friedman T, Kanbour A, **Michaels J**, Shestak K, Rubin JP. The Lymphatic System of the Anterior Abdominal Wall: An Anatomical Study. University of Pittsburgh Plastic Surgery Resident Research Symposium, June 2010, Pittsburgh, PA.
5. Purnell C, **Michaels J**, O'Brien-Coon D, Toy J, Bubar N, Rubin JP. Management of the Giant Pannus: Technique and Results. 55th Annual Plastic Surgery Research Council Meeting, May 22-26, 2010, San Francisco, CA.
6. O'Brien-Coon D, **Michaels J**, Gusenoff JA, Purnell C, Rubin JP. (2010, May). Clinical Process Improvements In Plastic Surgery: From Recognition To Reduction Of Hypothermia In Body Contouring. 55th Annual Plastic Surgery Research Council Meeting, May 22-26, 2010, San Francisco, CA
7. O'Brien-Coon D, Friedman T, **Michaels J**, Rubin JP. Fleur-De-Lis Abdominoplasty in the Massive Weight Loss Patient: A Safe Alternative to Traditional Abdominoplasty. American Society for Aesthetic Plastic Surgery Annual Meeting, April 22-27, 2010, Washington, DC.
8. Friedman T, O'Brien-Coon D, Kanbour A, **Michaels J**, Shestak K, Purnell C, Rubin JP. The Lymphatic System of the Anterior Abdominal Wall: An Anatomical Study. 56th Annual Scientific Meeting of the Robert H. Ivy Society of Plastic Surgeons, March 5-6, 2010, Hershey, PA.
9. O'Brien-Coon D, **Michaels J**, Gusenoff JA, Purnell C, Rubin JP. Clinical Process Improvements In Plastic Surgery: From Recognition To Reduction Of Hypothermia In Body Contouring. 56th Annual Scientific Meeting of the Robert H. Ivy Society of Plastic Surgeons, March 5-6, 2010, Hershey, PA.
10. **Michaels J**, O'Brien-Coon D, Friedman T, Purnell C, Naghshineh N, Rubin JP. Thromboembolism Prophylaxis in Massive Weight Loss Patients. 78th Annual American Society of Plastic Surgeons Meeting, October 23-27, 2009, Seattle, WA.
11. **Michaels J**, Coon D, Friedman T, Purnell C, Naghshineh N, Clavijo J, Rubin JP. Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss (MWL) Patient: A Safe Approach. 78th Annual American Society of Plastic Surgeons Meeting, October 23-27, 2009, Seattle, WA.
12. O'Brien-Coon D, **Michaels J**, Gusenoff JA, Shestak KC, Rubin JP. Multiple Procedures and Staging in the Massive Weight Loss Population. 78th Annual American Society of Plastic Surgeons Meeting, October 23-27, 2009, Seattle, WA.
13. **Michaels J**, Friedman T, O'Brien-Coon D, Purnell C, Rubin JP. (2009, September). Lower Body Lift with Gluteal Autoaugmentation to Improve Buttock and Lateral Thigh Aesthetics in the Massive Weight Loss Patient. 26th Annual Northeastern Society of Plastic Surgeons Meeting, September 23-27, 2009, Charleston, SC.
14. O'Brien-Coon D, **Michaels J**, Gusenoff JA, Purnell C, Rubin JP. (2009, September). Intraoperative Factors in Body Contouring Outcomes: Hypothermia Predicts Seroma Formation. 26th Annual Northeastern Society of Plastic Surgeons Meeting, September 23-27, 2009, Charleston, SC.
15. **Michaels J**, Coon D, Naghshineh N, Friedman T, Rubin JP. Evaluating the Weight Loss Patient for Plastic Surgery: Recommendations for Safe Patient selection. 26th Annual American Society for Metabolic and Bariatric Surgery Meeting, June 21-26, 2009, Grapevine, TX.
16. **Michaels J**, Coon D, Friedman T, Purnell C, Naghshineh N, Clavijo J, Rubin JP. Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss Patient. 54th Annual Plastic Surgery Research Council Meeting, May 28-30, 2009, Pittsburgh, PA.
17. Friedman T, Coon T, **Michaels J**, Rubin JP. Complication Rates of Abdominoplasty With Vertical Component in the Massive Weight Loss (MWL) Patient. 54th Annual Plastic Surgery Research Council Meeting, May 28-30, 2009, Pittsburgh, PA.
18. Coon D, Gusenoff J, Shestak KC, **Michaels J**, Rubin JP. Multiple Procedures and the Massive Weight Loss Population: Optimizing Outcome and Reducing Risk. 54th Annual Plastic Surgery Research Council Meeting, May 28-30, 2009, Pittsburgh, PA.
19. **Michaels J**, Coon D, Friedman T, Purnell C, Rubin, JP. Venous Thromboembolism Prophylaxis in the Massive Weight Loss Patient: A Safe Approach. 52nd Annual Scientific Meeting of the Ohio Valley Society of Plastic Surgeons, May 15-17, 2009, Indianapolis, IN.
20. Coon D, **Michaels J**, Gusenoff J, Purnell C, Friedman T, Rubin, JP. Intraoperative Complications in Body Contouring: Hypothermia Predicts Seroma Formation. 52nd Annual Scientific Meeting of the Ohio Valley Society of Plastic Surgeons, May 15-17, 2009, Indianapolis, IN.
21. **Michaels J**, Coon D, Friedman T, Purnell C, Rubin JP. A Safe Approach to Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss (MWL) Patient. American Society for Aesthetic Plastic Surgery Annual Meeting, May 2-7, 2009, Las Vegas, NV.

22. **Michaels J**, Coon D, Friedman T, Purnell C, Naghshineh N, Clavijo J, Rubin JP. A Safe Approach to Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss (MWL) Patient. 55th Annual Robert H. Ivy Society of Plastic Surgeons Meeting, April 17-18, 2009, Pittsburgh, PA.
23. Tepper, OM, **Michaels J**, Saadeh P. The osteocutaneous radial forearm free flap: a novel implementation for single flap reconstruction of midface, upper lip deficiency and near-total nasal defects. American Society for Reconstructive Microsurgery Annual Meeting, January 10-13, 2009, Maui, HI.
24. **Michaels J** and Gurtner GC. Delivery of targeted chemotherapy via genetically modified microvascular free flaps suppresses primary tumor growth. The New York Regional Society of Plastic Surgeons Residents' Night, March 3, 2008, New York, NY.
25. **Michaels J** and Gurtner GC. Delivery of Targeted Chemotherapy Via Genetically Modified Microvascular Flaps Suppresses Primary Tumor Growth. Plastic Surgery Senior Residents Conference, January 31-February 2, 2008, Washington, DC.
26. **Michaels J**, Dempsey MP, Ghali S, Grogan RH, Hamou C, Gurtner GC. Genetically modified microvascular flaps suppress primary tumor growth via delivery of local chemotherapy: a novel strategy for biologic brachytherapy. 24th Annual Northeastern Society of Plastic Surgeons Meeting, October 3-6, 2007, Southampton, Bermuda.
27. Dempsey MP, **Michaels J**, Ghali S, Jones DM, Ceradini DJ, Draper LB, Gurtner GC. IL-12 expression by genetically modified microvascular free flaps results in tumor regression without systemic toxicity. 51st Annual Plastic Surgery Research Council Meeting, May 17-20, 2006, Dana Point, CA.
28. Bonillas RG, Ceradini DJ, Cetrulo CL, Cangello DL, **Michaels J**, Seiser N, Bhatt KA, Levine JP, Gurtner GC. Inside-out tissue engineering: generating vascularized neo-organs using explanted microcirculatory beds. 50th Annual Plastic Surgery Research Council Meeting, May 18-21, 2005, Toronto, Canada.
29. Rowe NM, Soltanian H, Peimer CA, Dobryansky M, **Michaels J**, Gurtner GC. Sonographic guided percutaneous carpal tunnel release. 21st Annual Northeastern Society of Plastic Surgeons Meeting, January 19-23, 2005, Naples, FL.
30. Bonillas RG, Cetrulo CL, Ceradini DJ, Seiser N, Bhatt KA, **Michaels J**, Jones DM, Levine JP, Gurtner GC. Microvascular fasciocutaneous free-flaps for vascularized tissue engineering. 21st Annual Northeastern Society of Plastic Surgeons Meeting, January 19-23, 2005, Naples, FL.
31. **Michaels J**, Bonillas R, Ceradini DJ, Bhatt KA, Seiser N, Gurtner GC. Ex vivo transduction of microvascular beds using interleukin-12 (IL-12) for local tumor control. 21st Annual Northeastern Society of Plastic Surgeons Meeting, January 19-23, 2005, Naples, FL.
32. **Michaels J**, Dobryansky M, Galiano RD, Bhatt KA, Ashinoff R, Ceradini DJ, Cetrulo C, Levine JP, and Gurtner GC. The angiogenesis inhibitor endostatin impairs granulation formation and delays wound healing at tumor-inhibiting doses. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
33. Cetrulo CL, Bonillas RG, Ceradini DJ, Seiser N, Bhatt KA, **Michaels J**, Jones DM, Levine JP, and Gurtner GC. Engineering in vivo terminal stem cell differentiation by ex vivo stem cell seeding of genetically-modified microvascular free flaps. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
34. Callaghan MJ, Kinnucan E, **Michaels J**, Simon BJ, and Gurtner GC. Wound healing enhancement by pulsed electromagnetic fields. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
35. Bonillas RG, Cetrulo CL, Ceradini DJ, Seiser N, Bhatt KA, **Michaels J**, Jones DM, Levine JP, and Gurtner GC. Ex vivo manipulation of superficial inferior epigastric flaps for free-flap based vascularized tissue engineering. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
36. **Michaels J**, Dobryansky M, Galiano RD, Ceradini DJ, Ashinoff R, Bhatt KA, Cetrulo CL, Levine JP, and Gurtner. Targeted gene therapy using microvascular tissue transfer for local tumor control. 20th Annual Northeastern Society of Plastic Surgeons Meeting, October 2-4, 2003, Baltimore, MD.
37. Bhatt KA, **Michaels J**, Ashinoff RL, Dobryansky M, Cetrulo CL, Capla JM, Ceradini DJ, Levine JP, and Gurtner GC. Targeted delivery of cathelicidin antimicrobials via ex vivo gene therapy of microvascular free flaps. 20th Annual Northeastern Society of Plastic Surgeons Meeting, October 2-4, 2003, Baltimore, MD.
38. Dobryansky M, Cetrulo CL, Galiano RD, Bhatt KA, Pelo CR, Ashinoff RL, **Michaels J**, Levine JP, and Gurtner GC. Characterization of the inhibitory effects of endostatin on ischemia-induced neovascularization and myocutaneous flap survival in mice. 20th Annual Northeastern Society of Plastic Surgeons Meeting, October 2-4, 2003, Baltimore, MD.
39. Ceradini DJ, Cetrulo CL, Ashinoff R, Dobryansky M, Bhatt KA, **Michaels J**, Jensen JN, Galiano RD, Levine, JP and McCarthy JG. Mesenchymal stem cell homing in distraction osteogenesis: promise for ex vivo expansion therapy and gene delivery vehicles. 10th Biennial International Society of Craniofacial Surgery Conference, September 21-24, 2003, Monterey, CA.
40. Cetrulo CL, Ashinoff R, Ceradini DJ, Dobryansky M, Capla J, Bhatt KA, Galiano RD, **Michaels J**, Jensen JN, Levine JP, Gurtner GC, and McCarthy GC. Endothelial progenitor cell trafficking in Distraction osteogenesis in the distraction and consolidation phases. 10th Biennial International Society of Craniofacial Surgery Conference, September 21-24, 2003, Monterey, CA.

41. Tepper OM, Capla JM, Galiano RD, Ceradini DJ, Dobryansky M, Ashinoff R, **Michaels J**, Bhatt KA, Kleinman M, Pelo CR, McCarthy JG, Levine JP, and Gurtner GC. A novel mechanism for ischemia-induced new blood vessel growth that recapitulates embryologic vasculogenesis. 72nd Annual ASPSPSEF/ASMS Scientific Meeting, October 25-29, 2003, San Diego, CA.
42. **Michaels J**, Dobryansky M, Galiano RD, Pelo CR, Levine JP and Gurtner GC. Biologic brachytherapy: utilizing ex vivo gene therapy of microvascular free flaps. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.
43. **Michaels J**, Galiano RD, Kazanowski MA, Levine JP and Gurtner GC. A novel model of wound healing in mice. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.
44. Bhatt KA, Galiano RD, **Michaels J**, Cetrulo CL, Dobryansky M, Levine JP and Gurtner GC. Targeted delivery of cathelicidin peptide antimicrobials via ex vivo gene therapy of microvascular free flaps. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.
45. Ceradini DJ, Cetrulo CL, **Michaels J**, Dobryansky M, Galiano RD, Levine JP, and Gurtner GC. Development of a novel perfusion bioreactor for microvascular based tissue engineering. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.
46. Dobryansky M, Galiano RD, Cetrulo CL, **Michaels J**, Bhatt KA, Levine JP, and Gurtner GC. Diabetics exhibit a decreased angiogenic response in response to ischemia. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.

PRESENTATIONS

1. **Michaels J**, Coon D, Naghshineh N, Friedman T, Rubin JP. Evaluating the Weight Loss Patient for Plastic Surgery: Recommendations for Safe Patient selection. 26th Annual American Society for Metabolic and Bariatric Surgery Meeting, June 21-26, 2009, Grapevine, TX.
2. **Michaels J**, Coon D, Friedman T, Purnell C, Naghshineh N, Clavijo J, Rubin JP. Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss Patient. 54th Annual Plastic Surgery Research Council Meeting, May 28-30, 2009, Pittsburgh, PA.
3. **Michaels J**, Coon D, Friedman T, Purnell C, Rubin, JP. Venous Thromboembolism Prophylaxis in the Massive Weight Loss Patient: A Safe Approach. 52nd Annual Scientific Meeting of the Ohio Valley Society of Plastic Surgeons, May 15-17, 2009, Indianapolis, IN.
4. **Michaels J**, Coon D, Friedman T, Purnell C, Rubin JP. A Safe Approach to Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss (MWL) Patient. American Society for Aesthetic Plastic Surgery Annual Meeting, May 2-7, 2009, Las Vegas, NV.
5. **Michaels J**, Coon D, Friedman T, Purnell C, Naghshineh N, Clavijo J, Rubin JP. A Safe Approach to Venous Thromboembolism (VTE) Prophylaxis in the Massive Weight Loss (MWL) Patient. 55th Annual Robert H. Ivy Society of Plastic Surgeons Meeting, April 17-18, 2009, Pittsburgh, PA.
6. **Michaels J** and Gurtner GC. Delivery of targeted chemotherapy via genetically modified microvascular free flaps suppresses primary tumor growth. The New York Regional Society of Plastic Surgeons Residents' Night, March 3, 2008, New York, NY.
7. **Michaels J** and Gurtner GC. Delivery of Targeted Chemotherapy Via Genetically Modified Microvascular Flaps Suppresses Primary Tumor Growth. Plastic Surgery Senior Residents Conference, January 31-February 2, 2008, Washington, DC.
8. **Michaels J**, Dempsey MP, Ghali S, Grogan RH, Hamou C, Gurtner GC. Genetically modified microvascular flaps suppress primary tumor growth via delivery of local chemotherapy: a novel strategy for biologic brachytherapy. 24th Annual Northeastern Society of Plastic Surgeons Meeting, October 3-6, 2007, Southampton, Bermuda.
9. **Michaels J** and Ceradini DJ. Therapeutic Blockade of Reactive Oxygen Species Prevents Diabetic Vascular Complications. New York Society for Vascular Surgery Fall Meeting, May 24, 2006, New York, NY.
10. **Michaels J**. Microvascular free flaps transduced *ex vivo* with murine interleukin-12 suppress primary tumor growth. The New York Regional Society of Plastic Surgeons Residents' Night, March 6, 2006, New York, NY.
11. **Michaels J**, Bonillas R, Ceradini DJ, Bhatt KA, Seiser N, Gurtner GC. Ex vivo transduction of microvascular beds using interleukin-12 (IL-12) for local tumor control. 21st Annual Northeastern Society of Plastic Surgeons Meeting, January 19-23, 2005, Naples, FL.
12. **Michaels J**, Dobryansky M, Galiano RD, Bhatt KA, Ashinoff R, Ceradini DJ, Cetrulo C, Levine JP, and Gurtner GC. The angiogenesis inhibitor endostatin impairs granulation formation and delays wound healing at tumor-inhibiting doses. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
13. **Michaels J**, Dobryansky M, Galiano RD, Bhatt KA, Ashinoff R, Ceradini DJ, Levine JP, and Gurtner GC. The angiogenesis inhibitor endostatin impairs wound healing at tumor-inhibiting doses. The Wound Healing Society 14th Annual Meeting and Exhibition, May 23-26, 2004, Atlanta, GA.

14. **Michaels J**, Galiano RD, Ceradini DJ, Ashinoff R, Bhatt KA, Dobryansky M, Cetrulo CL, Levine JP and Gurtner GC. A novel model for precise, accurate measurements of wound healing in mice. 89th Annual American College of Surgeons Clinical Conference, October 19-23, 2003, Chicago, IL.
15. **Michaels J**, Dobryansky M, Galiano RD, Ceradini DJ, Ashinoff R, Bhatt KA, Cetrulo CL, Levine JP, and Gurtner. Targeted gene therapy using microvascular tissue transfer for local tumor control. 20th Annual Northeastern Society of Plastic Surgeons Meeting, October 2-4, 2003, Baltimore, MD.
16. **Michaels J**, Dobryansky M, Galiano RD, Pelo CR, Levine JP and Gurtner GC. Biologic brachytherapy: utilizing ex vivo gene therapy of microvascular free flaps. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.
17. **Michaels J**, Galiano RD, Kazanowski MA, Levine JP and Gurtner GC. A novel model of wound healing in mice. 48th Annual Plastic Surgery Research Council Meeting, April 23-26, 2003, Las Vegas, NV.