

OREN Z. LERMAN, M.D., FACS

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BIOGRAPHICAL INFORMATION

- Date of Birth: May 12, 1975
- Birth Place: Brooklyn, NY

EDUCATION

1997-2002

NEW YORK UNIVERSITY SCHOOL OF MEDICINE
Medical Degree

New York, NY
May, 2002

1993-1997

COLUMBIA UNIVERSITY
Bachelor of Arts, History

New York, NY
January, 1997

CLINICAL APPOINTMENT

July 2010 – Current

Attending Physician, Plastic Surgery
DIVISION OF PLASTIC SURGERY
LENOX HILL HOSPITAL

New York, NY

Reconstructive Microsurgeon
INSTITUTE FOR COMPREHENSIVE BREAST CARE
LENOX HILL HOSPITAL

Assistant Clinical Professor
DEPARTMENT OF PLASTIC SURGERY
NEW YORK UNIVERSITY SCHOOL OF MEDICINE

BOARD CERTIFICATION

2011 - Current

Diplomate – American Board of Plastic Surgery

CLINICAL FELLOWSHIP

July 2009 – June 2010

Breast Reconstruction & Microvascular Surgery
DIVISION OF PLASTIC SURGERY, HOSPITAL OF THE
UNIVERSITY OF PENNSYLVANIA

Philadelphia, PA

PLASTIC SURGERY RESIDENCY

July 2008 – June 2009

Executive Chief Resident
INSTITUTE OF RECONSTRUCTIVE PLASTIC SURGERY,
NEW YORK UNIVERSITY MEDICAL CENTER

New York, NY

AESTHETIC SURGERY

July 2007 – October 2007

Aesthetic Surgery Resident
MANHATTAN EYE EAR & THROAT HOSPITAL
NEW YORK UNIVERSITY MEDICAL CENTER

New York, NY

July 2006 – June 2008

Plastic Surgery Resident & Clinical Instructor
INSTITUTE OF RECONSTRUCTIVE PLASTIC SURGERY,
NEW YORK UNIVERSITY MEDICAL CENTER

New York, NY

RESEARCH FELLOWSHIP

July 2005 – June 2006 & July 2000 – June 2001

Microvascular Research Fellow
LABORATORY OF MICROVASCULAR SURGERY AND
VASCULAR TISSUE ENGINEERING
NEW YORK UNIVERSITY MEDICAL CENTER

New York, NY

GENERAL SURGERY RESIDENCY & INTERNSHIP

July 2002 – June 2005

Surgical Resident & Clinical Instructor
DEPARTMENT OF SURGERY, NEW YORK UNIVERSITY
MEDICAL CENTER

New York, NY

OTHER PROFESSIONAL EXPERIENCE

January 1997-June 1997

FOREST LABORATORIES
Junior Scientist, Research and Development

Inwood, NY

HONORS & GRANTS

- **2011 AMERICAN SOCIETY OF RECONSTRUCTIVE MICROSURGEONS – ANNUAL MEETING
BEST CLINICAL PAPER AWARD - 2ND PLACE**
- **2009 ALLERGAN MEDICAL INVESTIGATIONAL STUDY GRANT – CO-INVESTIGATOR
\$8,500**
- **2008 NEW YORK REGIONAL SOCIETY OF PLASTIC SURGEONS RESIDENT NIGHT RESEARCH AWARD
3RD Place – ABSTRACT COMPETITION**
- **2007 PSEF SCIENTIFIC ESSAY CONTEST ANNUAL BERNARD G. SARNAT, MD JUNIOR AWARD, BASIC SCIENCE
1ST Place – CO-AUTHOR**
- **2007 NEW YORK REGIONAL SOCIETY OF PLASTIC SURGEONS RESIDENT NIGHT RESEARCH AWARD
2ND Place – ABSTRACT COMPETITION**
- **2006 PSEF NATIONAL ENDOWMENT FOR PLASTIC SURGERY RESEARCH GRANT – CO-INVESTIGATOR
\$50,000/yr x 2 years**
- **2006 AMERICAN SOCIETY OF MAXILLOFACIAL SURGEONS - SYNTHES CMF RESEARCH GRANT AWARD
\$7,500**
- **2005 AMERICAN SOCIETY OF MAXILLOFACIAL SURGEONS - SYNTHES CMF RESEARCH GRANT AWARD
\$5,000**
- **2004 SURGICAL RESIDENT TEACHING AWARD**
- **2001 ALPHA OMEGA ALPHA STUDENT RESEARCH FELLOWSHIP GRANT**
- **2001 NEW YORK UNIVERSITY SCHOOL OF MEDICINE HONORS RESEARCH PROGRAM**

PROFESSIONAL MEMBERSHIPS

- **DIPLOMATE - AMERICAN BOARD OF PLASTIC SURGERY**
- **MEMBER - AMERICAN SOCIETY OF PLASTIC SURGEONS**
- **MEMBER - AMERICAN SOCIETY FOR RECONSTRUCTIVE MICROSURGERY**
- **FELLOW - AMERICAN COLLEGE OF SURGEONS**

- **BOARD OF DIRECTORS - NEW YORK REGIONAL SOCIETY OF PLASTIC SURGEONS**
- **NEW YORK COUNTY MEDICAL SOCIETY**
- **MEDICAL SOCIETY OF THE STATE OF NEW YORK**
- **MEDICAL ADVISORY BOARD - LITTLE BABY FACES FOUNDATION**

CLINICAL AREAS OF INTEREST

- **BREAST RECONSTRUCTION**
- **BREAST CANCER TREATMENT**
- **PERFORATOR FLAP SURGERY**
- **COSMETIC SURGERY**
- **RHINOPLASTY**
- **BREAST AUGMENTATION**
- **FACIAL REJUVENATION**
- **MICROVASCULAR SURGERY**
- **HEAD & NECK RECONSTRUCTION**

PUBLICATIONS

BOOK CHAPTERS

1. *Breast Implant Selection, Design and Composition*, **Oren Lerman** & Douglas Steinbrech, Chp 52; in *AESTHETIC PLASTIC SURGERY*, By Sherrell Aston, Douglas Steinbrech, & Jennifer Walden; publication date: MAY-2009, ISBN-13: 978-0-7020-3168-7, ISBN-10: 0-7020-3168-2

ORIGINAL REPORTS

1. Tanna N, Levine SM, Broer PN, Reavey PL, Weichman KE, Roostaeian J, Andrews BT, **Lerman OZ**, Saadeh PB, Levine JP. Chairs and Chiefs of Plastic Surgery: Is it an Insider Job?. *Journal of Craniofacial Surgery*. 2013;24:1146-8. PMID:23851758
2. Beltran LS, **Lerman O**, Sharma S, Bencardino JT. Transient pain and paresthesias in the hand-ulnar neuropathy secondary to compression from a low-lying medial triceps muscle and tendon insertion. *Skeletal Radiol*. 2013 Jun 14. [Epub ahead of print] No abstract available. PMID:23764832
3. **Lerman OZ**, Haddock H, Elliott RM, Foroohar A, Levin LS. Microsurgery of the Upper Extremity. *J Hand Surg Am*. 2011 Jun;36(6):1092-103. PMID: 21636025
4. Thanik VD, Chang CC, Zoumalan RA, **Lerman OZ**, Allen RJ Jr, Nguyen PD, Warren SM, Coleman SR, Hazen A. A novel mouse model of cutaneous radiation injury. *Plast Reconstr Surg*. 2011 Feb;127(2):560-8. PMID: 21285760
5. **Lerman OZ**, Kovach S, Levin LS. The Respective Roles of Plastic and Orthopaedic Surgery in Limb Salvage. *Plast Reconstr Surg*. 2011 Jan;127 Suppl 1:215S-227S. PMID: 21200294
6. King TW, **Lerman OZ**, Carter JJ, Warren SM. Exertional compartment syndrome of the thigh: A rare diagnosis and literature review. *J Emerg Med*. 2010 Aug;39(2):e93-9. Epub 2008 Jul. PMID: 18597970
7. **Lerman OZ**, Greives MR, Singh SP, Thanik VD, Chang CC, Seiser N, Brown DJ, Knobel D, Schneider RJ, Formenti SC, Saadeh PB, Levine JP. Low-dose radiation augments vasculogenesis signaling through HIF-1 dependent and independent SDF-1 induction. *Blood*, 2010 Jul 14 [Epub ahead of print] PMID: 20631377
8. Thanik VD, Chang CC, **Lerman OZ**, Greives MR, Le H, Warren SM, Schneider RJ, Formenti SC, Saadeh PB, Levine JP. Cutaneous Low-Dose Radiation Increases Tissue Vascularity through Upregulation of Angiogenic and Vasculogenic Pathways. *J Vasc Res*. 2010 Apr 30;47(6):472-480. [Epub ahead of print] PMID: 20431296

9. Chang CC, **Lerman OZ**, Thanik VD, Scharf CL, Greives MR, Schneider RJ, Formenti SC, Saadeh PB, Warren SM, Levine JP. Dose-dependent effect of radiation on angiogenic and angiostatic CXC chemokine expression in human endothelial cells. *Cytokine*. 2009 Dec; 48(3) 295-302. PMID: 19782578
10. Thanik VD, Chang CC, **Lerman OZ**, Allen RJ Jr, Nguyen PD, Saadeh PB, Warren SM, Levine JP, Coleman SR, Hazen A. A murine model for studying diffusely injected human fat. *Plast Reconstr Surg*. 2009 Jul;124(1):74-81. PMID: 19568047
11. Le H, Kleinerman R, **Lerman OZ**, Brown D, Galiano R, Gurtner GC, Warren SM, Levine JP, Saadeh PB. Hedgehog signaling is essential for normal wound healing. *Wound Repair Regen*. 2008 Nov-Dec;16(6):768-73. PMID: 19128247
12. **Lerman OZ**. Non possum sequi tibi! Where am I going if I cannot follow you? *Plast Reconstr Surg*. 2008 Mar;121(3):1072-3. PMID: 18317177
13. Thanik VD, Greives MR, **Lerman OZ**, Seiser N, Dec W, Chang CC, Warren SM, Levine JP, Saadeh PB. Topical matrix-based siRNA silences local gene expression in a murine wound model. *Gene Ther*. 2007 Sep;14(17):1305-8. Epub 2007 Jul 12. PMID: 17625576
14. Rohde C, Greives MR, Cetrulo C, **Lerman OZ**, Levine JP, Hazen A. Gustilo grade IIIB tibial fractures requiring microvascular free flaps: external fixation versus intramedullary rod fixation. *Ann Plast Surg*. 2007 Jul;59(1):14-7. PMID: 17589252
15. Derderian CA, Bastidas N, **Lerman OZ**, Bhatt KA, Lin SE, Voss J, Holmes JW, Levine JP, Gurtner GC. Mechanical strain alters gene expression in an in vitro model of hypertrophic scarring. *Ann Plast Surg*. 2005 Jul;55(1):69-75; discussion 75. PMID: 15985794
16. **Lerman OZ**, Galiano RD, Armour M, Levine JP, Gurtner GC. Cellular dysfunction in the diabetic fibroblast: impairment in migration, vascular endothelial growth factor production, and response to hypoxia. *Am J Pathol*. 2003 Jan;162(1):303-12. PMID: 12507913

ABSTRACTS

1. **Lerman OZ**. Fischer J, DeGeorge B, Agag R, Fosnat J, Wu L, Serletti J. Cost Benefit of Preoperative Imaging in DIEP Flap Breast Reconstruction, Jan 17, 2011. ASRM, Cancun Mexico. ID# 12233 **Podium presentation
2. Agag, R, **Lerman OZ**, Patel SA, Topham NS. Free Fibula Osteotomy Guide: A Critical Review and Cost Analysis Jan 17, 2011. ASRM, Cancun Mexico. Presentation ID: 12170 **Podium presentation
3. Nguyen P, **Lerman OZ**. Thanik VD, Formenti S, Saadeh PB, Levine JP. "Effects of High Dose Radiation on Hypoxia-Induced Neovascularization." American Society for Reconstructive Microsurgery Annual Meeting, January 10-13, 2009, Maui, Hawaii. **Podium presentation
4. Chang CC, Vishal TD, **Lerman OZ**, Saadeh PB, Warren SM, Coleman SR, Hazen A. Treatment of Radiation Skin Damage with Coleman Fat Grafting. 5th Annual Meeting International Federation of Adipose Therapeutics and Science (IFATS 2007) Stem Cells Vol. 25 No. 12 December 2007, pp. 3274 -3288
5. Greives MR, **Lerman OZ**, Seiser N, Thanik VD, Draper L, Blechman K, Brown D, Hazen A, Saadeh PB, Levine JP "Low-dose radiation augments wound healing by stimulating EPC migration through HIF-1/SDF-1 induction." 16th Annual Educational Symposium of the Wound Healing Society. Scottsdale, AZ. May 2006. **Podium presentation
6. **Lerman OZ**, Greives MR, Thanik VD, Brown DJ, Ceradini DJ, Galiano RD, Levine JP, Saadeh PB, Hazen A. "Low and High Dose Ionizing Radiation Induce Differential Proangiogenic and Proinflammatory Chemokine Expression Profiles in Endothelial Cells." 16th Annual Educational Symposium of the Wound Healing Society, Scottsdale, AZ. May 2006.
7. Le H, **Lerman OZ**, Greives MR, Blechman K, Brown DJ, Thanik VD, Hazen A, Saadeh PB, Gurtner GC, Galiano RD, Levine JP. "Inhibition of the Hedgehog Signaling Pathway Impairs the Wound Healing Process." 16th Annual Educational Symposium of the Wound Healing Society, Scottsdale, AZ. May 2006. **Podium Presentation

8. Greives MR, **Lerman OZ**, Thanik VD, Seiser N, Draper L, Blechman K, Brown D, Ceradini DJ, Galiano RD, Formenti S, Hazen A, Saadeh PB, Levine JP. "Low-dose radiation stimulates EPC migration through HIF-1/SDF-1 induction." Plastic Surgery Research Council, 51st Annual Meeting. Dana Point, CA. May 2006. **Podium Presentation
9. Le H, **Lerman OZ**, Greives MR, Blechman K, Brown DJ, Thanik VD, Hazen A, Saadeh PB, Gurtner GC, Galiano RD, Levine JP. "Hedgehog signaling disruption inhibits wound healing." Plastic Surgery Research Council, 51st Annual Meeting. Dana Point, CA. May 2006. **Podium Presentation
10. Thanik VD, Greives MR, **Lerman OZ**, Hazen A, Saadeh PB, Levine JP. A Novel Method of Topical Gene Silencing Using siRNA." American Society of Plastic Surgery. San Francisco, CA. October 2006.
11. Thanik VD, Greives MR, **Lerman OZ**, Hazen A, Saadeh PB, Levine JP. "In-Vivo Gene Silencing Using Topical Delivery of siRNA." American College of Surgeons Conference. Chicago, IL. October 2006.
12. Rohde C, Greives MR, **Lerman OZ**, Hazen A, and Levine J. "Gustilo Grade IIIB Fractures Requiring Microvascular Free Flaps: External Fixation versus Intermedullary Rod Fixation." American Society of Reconstructive Microsurgery Conference. Rio Grande, Puerto Rico. January 2007.
13. **Lerman OZ**, Chang CC, Greives MR, Thanik VD, Seiser N, Brown DJ, Galiano RD, Formenti S, Hazen A, Warren SW, Saadeh PB, Levine JP. "Low dose radiation augments endothelial progenitor cell mobilization and neovascularization in an ischemic flap." Keystone Symposia. Keystone, CO Jan. 28- Feb. 2, 2007.
14. Thanik VD, Greives MR, **Lerman OZ**, Hazen A, Warren SM, Levine JP, Saadeh PB. "*In vivo* gene silencing: siRNA as a topical therapeutic." Wound Healing Society. Naples, FL May 2007.
15. Chang CC, Scharf C, **Lerman OZ**, Greives MR, Thanik VD, Macklin J, Hazen A, Warren SM, Levine JP, Saadeh PB. "Radiation is a key regulator of angiogenic and angiostatic CXC chemokine expression in human endothelial cells." Wound Healing Society. Naples, FL May 2007.
16. **Lerman OZ**, Chang CC, Greives MR, Thanik VD, Seiser NS, Hazen OZ, Warren SM, Saadeh PB, Levine JP. "Low-dose radiation improves perfusion and vascularity in an ischemic flap model" Plastic Surgery Research Council. Palo Alto, CA. June 2007.
17. Thanik VD, Greives MR, **Lerman OZ**, Hazen A, Warren SM, Levine JP, Saadeh PB. "*In vivo* gene silencing: siRNA as a topical therapeutic." Plastic Surgery Research Council. Palo Alto, CA. June 2007.
18. Chang CC, Scharf C, **Lerman OZ**, Greives MR, Thanik VD, Macklin J, Hazen A, Warren SM, Levine JP, Saadeh PB. "Radiation is a key regulator of angiogenic and angiostatic CXC chemokine expression in human endothelial cells." Plastic Surgery Research Council. Palo Alto, CA. June 2007.
19. Chang CC, **Lerman OZ**, Greives MR, Thanik VD, Seiser N, Warren SM, Saadeh PB, Levine JP. "Impaired neovascularization after high-dose radiation injury: The role of EPCs." Plastic Surgery Research Council. Palo Alto, CA. June 2007.
20. **Lerman, OZ**, Galiano, R.D., Elias, T.N., Chiu, E. and Gurtner, G.C., An Investigation Into the Impaired Wound Healing Phenotype of Fibroblasts from Genetically Diabetic Mice. *Wound Repair and Regeneration*, Vol. 9, No. 2, p.155, 2001. 11th Annual Educational Symposium of the Wound Healing Society. Albuquerque, NM. May 16-18, 2001 **Podium Presentation
21. **Lerman, OZ**, Galiano, R.D., and Gurtner, G.C., Impaired Fibroblast Activity in Diabetic Mice: The Role of Local Cellular Dysfunction in Diabetic Wound Healing. *Proceedings of the Plastic Surgery Research Council 46th Annual Meeting*. June 9-12, 2001. **Podium Presentation
22. Galiano, R.D., Elias, T.N., Armour, M., **Lerman, OZ**, Levine, J.P. and Gurtner, G.C., The Morphogen Wnt-4 is Downregulated During the Early Stages of Skin Wound Healing. . *Wound Repair and Regeneration*, Vol. 9, No. 2, p.149, 2001.

23. Hopper R.A., Mehrara B.J., **Lerman OZ**, Gurtner G.C., Fagenholtz P.J., Lee S, and Detch R. Pulsed Electromagnetic Fields (PEMF) Increase VEGF in Cultured Osteoblasts. *Proceedings of the Plastic Surgery Research Council 46th Annual Meeting*.
24. Levine, J.P., Galiano, R.D., Olivier, W.A., Chung, S., Elias, T.N., **Lerman, OZ** and Gurtner, G.C., Successful Ex-vivo Transfection of a Rat Free Flap Model: A New Method of Targeted Gene Delivery. *Proceedings of the Plastic Surgery Research Council 46th Annual Meeting*.
25. Chung, S., Baux, G., Aluri, A.K., Sunkavilli, P.V., Levine, J.P., Olivier, W.A., Galiano, R.D., Elias, T.N., **Lerman, OZ**, Gurtner, G.C., Margiotta, M. and Karp, N.S., Axial-type Acellular Dermal Matrix Flaps for the Repair of Abdominal Muscle Defects in the Rodent Model. *Proceedings of the Plastic Surgery Research Council 46th Annual Meeting*.
26. Olivier, W.A., Levine, J.P., **Lerman, OZ**, Gurtner, G.C., Intermedullary Rod Fixation for Treatment of Grade IIIB Tibial Fractures. *Proceedings of the American Society for Reconstructive Microsurgery Year 2002 Annual Meeting*.