

Douglas Steven Steinbrech, M.D.
Curriculum Vitae
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LICENSURE:

New York State Medical License: 205108
California State Medical License: 132972
United States DEA License: S150AB830

PROFESSIONAL POSITIONS:

Gotham Plastic Surgery 2006-Present.
Founding Partner/Plastic Surgeon

Manhattan Eye, Ear and Throat Hospital 07/2004-07/2006.
Attending Surgeon

Lenox Hill Hospital 2004-Present.
Attending Surgeon

EDUCATION AND TRAINING:

The Institute of Reconstructive Plastic Surgery, 2001-2004.
Plastic Surgery Resident (PGY 8-10)
New York University Medical Center, New York, New York.

New York University, Department of General Surgery, 1999-2001.
Senior categorical resident in General Surgery (PGY 6,7)

The Institute of Reconstructive Plastic Surgery, 1997-1999.
Craniofacial Research Fellowship (PGY 4,5)
New York University Medical Center, New York, New York.

New York University, Department of General Surgery, 1994-1997.
Internship in General Surgery (PGY 1)
Categorical Resident in General Surgery (PGY 2,3)

The University of Iowa, College of Medicine, 1989-1994.
Iowa City, Iowa

The University of Iowa, College of Liberal Arts,
B.S., Biology, with Honors
Iowa City, Iowa

1984-1988.

HONORS AND DISTINCTIONS

Visiting Professor to The University of Texas at San Antonio 2020
Grand Rounds, Department of Plastic Surgery,
The University of Texas at San Antonio: BodyBanking,
The Power of LipoCell Transfer.

Cosmetic Chair,
For Northeastern Society of Plastic Surgeons 2019.

Guest Editor For ASJ Male Plastic Surgery Special Supplement. 2019

Chinese CACAPS Innovation Award for “BodyBanking” 2017
Shanghai, China

Lifetime Honorary Member, 2016
AECEP--The Plastic Surgery Society of Spain

Howard Hughes/NIH Research Scholarship, 1991-92.
National Institutes of Health
Bethesda, MD

NIH Summer Research Fellowship, NHLBI 1990.
National Institutes of Health
Bethesda, MD

Finkbine Award Recipient 1988.
University of Iowa
Leadership and Scholarship Award

RESEARCH EXPERIENCE:

Laboratory of Developmental Biology and Repair, NYU, Department of Surgery,
Michael T. Longaker, M.D.,
Molecular mechanisms of mandibular distraction; Characterization of osteoblast
gene expression *in vitro*

Howard Hughes Institute Research Fellow, Surgery Branch, NCI, NIH,
Steven Rosenberg, M.D.,
Increasing immunogenicity of tumor cells by MHC class II transfection--
a mechanism of tumor vaccines.

NIH Summer Research Fellow, Laboratory of Molecular Cardiology, NHLBI,
Robert Adelstein, M.D.,
Cloning the genes for myosin in the chick--understanding actin-myosin molecular
interactions.

Laboratory of Pulmonary Medicine, University of Iowa,
Gary Hunninghake, M.D.,
Understanding the Molecular expression of Angiotensin Converting Enzyme in
relation to Sarcoidosis.

Laboratory of Developmental Molecular Biology, University of Iowa,
David Soll, Ph.D.,
Honors undergraduate thesis on rate-limiting transcriptional factors in
Dictyostelium Discoideum.

Omicron Delta Kappa University of Iowa National College Honor Fraternity	1987-88.
Mortar Board Honor Society University of Iowa National College Honor Society	1987-88.
Phi Rho Sigma, President Medical Fraternity	1990-91
University of Iowa Honors Association University of Iowa College Honor Association	1986-88.
Johnson County Medical Society Scholarship University of Iowa College of Medicine Iowa City, IA	1992-94.
Honors in Biology, University of Iowa College of Liberal Arts	1988.
Honors Thesis <i>Switching in <u>Dictyostelium discoideum</u></i> Department of Biology, University of Iowa	1988.
Dean's List University of Iowa GPA above 3.75	1985-88.
Dean's List, Boston University GPA above 3.75	1984.
State of Iowa Merit Scholar College Scholarship Fund	1984.

The William H. Danforth Foundation “I Dare You” Award 1984.
Solon High School
“Most likely to Succeed”

Student Body President 1983-84.
Solon High School

GRANTS:

Plastic Surgery Educational Foundation, 8/98-7/99
Investigator Grant \$4,975.00
“Evaluation of Angiogenesis in distraction using antisense
VEGF adenoviruses”

Howard Hughes Medical Institute, 7/91-7/92
Research Scholarship \$27,000.00
“Increasing immunogenicity of tumor cells by genetic manipulation—
a mechanism of tumor vaccines”

National Institutes of Health 5/90-8/90
Summer Research Fellowship Grant \$3,550.00
“Evaluation of the mechanisms of actin-myosin molecular
interactions in the chick”

University of Iowa 8/86-7/88
Undergraduate Research Grant \$2,000.00
“Rate-limiting transcriptional factors in *Dictyostelium Discoideum*”

PROFESSIONAL ORGANIZATIONS/APPOINTMENTS:

Alpha, American Board of Plastic Surgery
Alpha, American College of Surgeon
American Medical Association
Association of Academic Surgeons, Resident Member, (2002-2003)
American Society of Aesthetic Plastic Surgery,
Program Committee (2013-Present)
New Candidate Committee
Application Review Committee (2015-Present)
Leadership Development Committee (2017-Present)
American Society of Plastic Surgery,
Education Committee (2013-2014)
The Joint Commission for Accreditation of Surgical Facilities
International Society of Aesthetic Plastic Surgery

Northeastern Society of Plastic Surgeons
International Society of Aesthetic Plastic Surgery
New York Medical Association
New York County of Plastic Surgeons
New York State Medical Society

ADDITIONAL PROFESSIONAL ACTIVITIES:

NYU Resident Instructor Gotham Plastic Surgery, Resident Rotator (07/2017-Present)

MEETING PARTICIPATION/MODERATIONS:

Panel Moderator/Panelist; Aesthetic Session; Northeast Society of Plastic Surgeons (NESPS)
32nd Annual Meeting; Philadelphia, PA

Steinbrech DS, Leadership Development Committee, The Aesthetic Meeting, New York,
New York, April 28 2018.

COMMUNITY CONTRIBUTIONS/HONORS

Lenox Hill House Advisory Board (2010 – Present)

Lenox Hill Neighborhood House 2005-Present
Recipient of The 2017 Lenox Hill Philanthropy Award.

ArtRx 2005-Present

The Museum of The City of New York 2005-Present

Operation Smile, Mission work Tanzania, 2009

University of Iowa, Alumni Association 1994-Present

University of Iowa, Presidents Club Member 2015-Present

Phantom Regiment Drum and Bugle Corps, Rockford Illinois Alumni Association

HOBBIES:

Skiing
Golf
Water skiing
Tennis

TEXTBOOKS:

- 1) Aston SJ, Steinbrech DS, Walden JL: *Aesthetic Plastic Surgery*, Saunders Elsevier Publishing, 2009

- 2) Steinbrech DS (Editor): *Aesthetic Plastic Surgery for the Male*, Thieme Publishing, Fall 2019
- 3) Steinbrech DR (Author): *Male Aesthetic Plastic Surgery*, Thieme Publishing, Fall 2019

TEXTBOOK CHAPTERS:

- 1) The Male Facelift, Page155 *Aesthetic Plastic Surgery*
- 2) Breast Implants: Background, Safety and General Considerations, Page 645 *Aesthetic Plastic Surgery*
- 3) Non-Hyaluronic Acid Filler for Facial Augmentation, Page875 *Aesthetic Plastic Surgery*
- 4) Chapter 10, *Rubin & Neligan*

PEER REVIEW RESEARCH ARTICLES:

- 1) Kraft B, Steinbrech DS, Yang M, and Soll DR: High frequency switching in *Dictyostelium* *Developmental Biology* 130: 198-208, 1988.
- 2) Gilbert SR, Steinbrech DS, Hunninghake GW: Evaluation of Angiotensin Converting Enzyme steady-state mRNA in a murine model of granuloma formation. *American Review of Respiratory Disease* 141: A867. 1990.
- 3) Gilbert SR, Steinbrech DS, Landas SK, and Hunninghake GW: Amounts of Angiotensin Converting enzyme mRNA reflect the burden of granulomas in granulomatous lung disease. *American Review of Respiratory Disease* 148: 483-6 1993.
- 4) Rowe NM, Mehrara BJ, Dudziak ME, Steinbrech DS, MacKool RJ, Gittes GK, McCarthy JG, Longaker MT: Rat mandibular distraction osteogenesis: Part I. Histologic and radiographic analysis. *Plastic and Reconstructive Surgery* 102 (6);2022-32,1998.
- 5) Boeve TR, Steinberg JB, Corry DS, Steinbrech DS, Richenbacher WE, Behrendt DM: Cardiac surgery on patients with solid organ transplants. The 67th Scientific Session of The American Heart Association, 1996.
- 6) Mehrara BJ, Steinbrech DS, Rowe NM, Mackool RJ, Gittes GK, McCarthy JG, and Longaker MT: Rat mandibular distraction osteogenesis: II. Molecular analysis of transforming growth factor β -1 and osteocalcin gene expression. *Plastic and Reconstructive Surgery* 103(2):536-47, 1999.
- 7) Chang J, Most D, Bresneck S, Mehrara BJ, Steinbrech DS, Longaker MT, and Turk AE: Proliferative hemangiomas: Analysis of cytokine gene expression and angiogenesis. *Plastic and Reconstructive Surgery* 103: 1-9, 1999.
- 8) Frenkel SR, Saadeh PB, Mehrara BJ, Steinbrech DS, Cocker R, McCormick SA, Gittes GK, Longaker MT: Transforming growth factor beta superfamily members: role in cartilage modeling.

- Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 516-518, 1998.
- 9) Fernandez H, Mehrara BJ, Saadeh PB, Steinbrech DS, Grau J, Gittes GK, Longaker MT: Adenoviral-mediated TGF- β 1 gene therapy of osteoblasts *in vitro*. *Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 522-524, 1998.
 - 10) Steinbrech DS, Gerrets RP, Mehrara BJ, Saadeh PB, Dudziak ME, McCarthy JG, Gittes GK, Longaker MT: Characterization of growth, maturation, and expression of vascular endothelial growth factor expression by osteoblasts in response to hypoxia. *Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 513-516, 1998.
 - 11) Saadeh PB, Mehrara BJ, Steinbrech DS, Dudziak ME, Gosain AK, Gittes GK, Longaker MT: TGF- β 1 and basic FGF modulate the expression of vascular endothelial growth factor by osteoblasts *in vitro*. *Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 513-516, 1998.
 - 12) Longaker MT, Mehrara BJ, Steinbrech DS, Rowe NM, Dudziak ME, Grau J, McCarthy JG, Gittes GK: Gene expression during mandibular distraction osteogenesis. *Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 646-648, 1998.
 - 13) Williams JK, Steinbrech DS, Mehrara BJ, Rowe NM, Dudziak ME, Saadeh PB, McCarthy JG, Gittes GK, Longaker MT: Gene expression of TGF- β 1, TGF- β 1 receptors-I and II, and insulin-like growth factor-I and II during mandibular bone fracture healing. *Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 661-662, 1998.
 - 14) Mehrara BJ, Fernandez H, Chau D, Sagiroglu J, Steinbrech DS, Ueno H, Grau J, Gittes GK, Longaker MT: Adenovirus-mediated transmission of a dominant negative truncated TGF- β 1 receptor inhibits *in vitro* mouse cranial suture fusion. *Owen H. Wangensteen Surgical Forum XLIX*—Proceedings of the 84th Annual Sessions of Owen H. Wangensteen Surgical Forum 49: 492-494, 1998.
 - 15) Rowe NM, Mehrara BJ, Williams JK, MacKool RJ, Steinbrech DS, Thorne CH, Carp NS, Longaker MT, McCarthy JG: Device stability, accelerated rates and rhythms in craniofacial distraction osteogenesis in an experimental model. *Plastic Surgical Forum; Volume XXI*: 228-230, 1998.
 - 16) Mehrara BJ, Ueno H, Fernandez H, Steinbrech DS, Saadeh PB, Sagrigolu J, McCarthy JG, Gittes GK, Longaker MT: Gene therapy of fusing cranial sutures. *Plastic Surgical Forum; Volume XXI*: 225-227, 1998.
 - 17) Mehrara BJ, Saadeh PB, Steinbrech DS, Dudziak M, Gittes GK, Longaker MT: Adenovirus-mediated TGF- β 1 gene therapy of osteoblasts *in vitro*. *Plastic Surgical Forum; Volume XXI*: 75-77, 1998.
 - 18) Saadeh PB, Cocker RS, Falk AM, DeVore DP, Mehrara BJ, McCormick SA, Steinbrech DS, Rowe NM, McCarthy JG, Gittes GK, Longaker MT: Repair of a critical sized defect in the rat mandible using allogenic type I collagen. *Plastic Surgical Forum; Volume XXI*: 41-43, 1998.

- 19) Rowe NM, Mehrara BJ, Steinbrech DS, Dudziak ME, Saadeh PB, McCarthy JG, Gittes GK, McCarthy JG and Longaker MT: Angiogenesis during mandibular distraction osteogenesis. *Annals of Plastic Surgery* 42(5): 470-75.
- 20) Saadeh PB, Brent B, Mehrara BJ, Steinbrech DS, Ting V, Gittes GK, Longaker MT: Human cartilage engineering: Chondrocyte extraction, proliferation, and characterization for construct development. *Annals of Plastic Surgery* 42(5):509-13, 1999.
- 21) Steinbrech DS, Mehrara BJ, Chau D, Rowe NM, Chin G, Lee T, Saadeh PB, Gittes GK, Longaker MT: Hypoxia up-regulates VEGF production in keloid fibroblasts. *Annals of Plastic Surgery* 42(5):514-19, 1999
- 22) Mehrara BJ, Saadeh PB, Steinbrech DS, Dudziak M, Gittes GK, Longaker MT: Adenovirus-mediated gene therapy of osteoblasts *in vitro* and *in vivo*. *Journal of Bone and Mineral Research* 14(8):1290-301.
- 23) Steinbrech DS, Mehrara BJ, Rowe NM, Dudziak ME, Saadeh PB, Gittes GK, Longaker MT: Gene expression of insulin-like growth factor I and II in rat membranous osteotomy healing. *Annals of Plastic Surgery*. 42(5):481-87.
- 24) Mehrara BJ, Steinbrech DS, Saadeh PB, Gittes GK, Longaker MT: The expression of high affinity receptors for TGF- β 1 during cranial suture fusion. *Annals of Plastic Surgery* 42(5):502-8,1999.
- 25) Steinbrech DS, Mehrara BJ, Saadeh PB, Chin G, Dudziak ME, Gerrets RP, Gittes GK, Longaker MT: Hypoxia upregulates VEGF expression and cellular proliferation by osteoblasts *in vitro*. *Plastic and Reconstructive Surgery* 104(3):738-47, 1999.
- 26) Mehrara BJ, Greenwald JA, Chin GS, Dudziak ME, Sagirolglu JS, Steinbrech DS, Saadeh PB, Gittes GK, Longaker MT: Regional differentiation of rat cranial suture-derived dural cells is dependent on association with fusing and patent cranial sutures. *Plastic and Reconstructive Surgery* (Accepted for publication).
- 27) Steinbrech DS, Longaker MT, Mehrara BJ, Saadeh PB, Gerrets MA, Gittes GK: Fibroblast response to hypoxia: The relationship between angiogenesis and matrix regulation. *Journal of Surgical Research*, 84(2):127-33, 1999
- 28) Saadeh PB, Mehrara BJ, Steinbrech DS, Greenwald JA, Gosain AK, Gittes GK, Longaker MT: Vascular endothelial growth factor expression is increased in membranous bone healing and TGF- β 1 modulates its expression by osteoblasts *in vitro*. (Accepted for publication, *American Journal of Physiology*, 1999).
- 29) Rowe NM, Steinbrech DS, Mehrara BJ, Saadeh PB, Dudziak ME, Luchs JS, Greenwald JA, Paccione MF, Gittes GK, Longaker MT: Gene expression of VEGF, TGF-beta3, Collagen II and TIMP-1: Molecules important to rat membranous Bone Repair. *Owen H. Wangenstein Surgical Forum XLX—Proceedings of the 85th Annual Sessions of Owen H. Wangenstein Surgical Forum*, 1999.
- 30) Leung JD, Steinbrech DS, Mehrara BJ, Gerrets RP, Saadeh PB, Luchs JS, Gittes GK, Longaker MT: The hypoxic regulation of genes known to be involved in fracture healing: Collagen II and III, TGF- β 2 and β 3, TGF- β RI and RII, and TIMP-1 in primary osteoblasts. *Owen H. Wangenstein Surgical Forum XLX—Proceedings of the 85th Annual Sessions of Owen H. Wangenstein Surgical Forum*, 1999.

- 31) Steinbrech DS, Mehrara BJ, Saadeh PB, Luchs JS, Spector JS, Greenwald JA, Gittes GK, Longaker MT: The molecular regulation of hypoxia-induced VEGF expression in primary osteoblasts suggests an oxygen-sensing mechanism. *Owen H. Wangensteen Surgical Forum XLX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum, 1999.
- 32) Luchs JS, Mehrara BJ, Paccione MF, Steinbrech DS, Greenwald JA, Spector JA, Saadeh PB, Gittes GK, Longaker MT: The expression of BMP-2/4 and BMP-7 during membranous bone fracture repair. *Owen H. Wangensteen Surgical Forum XLX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum, 1999.
- 33) Saadeh PB, Mehrara BJ, Steinbrech DS, Luchs JS, Greenwald JA, Spector JA, Gittes GK, Longaker MT: Molecular mechanisms of angiogenesis during fracture healing. *Surgical Forum Owen H. Wangensteen Surgical Forum XLX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum, 1999.
- 34) Dudziak ME, Saadeh PB, Mehrara BJ, Steinbrech DS, Spector JA, Greenwald JA, Paccione MF, Gittes GK, Longaker MT: Ionizing radiation: Effects on osteoblast-like cells in vitro and a potential gene therapy-mediated phenotype “Rescue”. *Owen H. Wangensteen Surgical Forum XLX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum, 1999.
- 35) Paccione MF, Saadeh PB, Mehrara BJ, Steinbrech DS, Spector JA, Greenwald JA, Luchs JS, Gittes GK, Longaker MT: The regulation of VEGF expression in osteoblastic cells. *Owen H. Wangensteen Surgical Forum XLX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum, 1999.
- 36) Greenwald JA, Mehrara BJ, Spector JA, Chin GS, Steinbrech DS, Saadeh PB, Luchs JS, Paccione MF, Gittes GK, Longaker MT: Biomolecular mechanisms of calvarial bone induction; immature vs. mature dura mater. *Plastic and Reconstructive Surgery* (Accepted for publication).
- 37) Frenkel SR, Saadeh PB, Mehrara BJ, Chin GS, Steinbrech DS, Brent B, Gittes Gk, Longaker MT: Transforming growth factor beta superfamily members: Role in cartilage modeling. *Plastic and Reconstructive Surgery* (Accepted for publication).
- 38) Steinbrech DS, Mehrara BJ, Rowe NM, Dudziak ME, Luchs JS, Saadeh PB, Gittes GK and Longaker MT: Gene expression of TGF- β 1, TGF- β Receptors, and extracellular matrix proteins during rat membranous bone healing. *Plastic and Reconstructive Surgery* (Accepted for publication).
- 39) Steinbrech DS, Mehrara BJ, Saadeh PB, Spector JS, Luchs JS, Greenwald JA, Gittes GK, Longaker MT: Hypoxic induction of vascular endothelial growth factor is mediated by an oxygen-sensing mechanism. *American Journal of Physiology* (Accepted for publication, 1999).
- 40) Steinbrech DS, Mehrara BJ, Saadeh PB, Spector JS, Luchs JS, Greenwald JA, Gittes GK, Longaker MT: Gene expression in rat membranous bone repair II: regulation of TGF- β 3, VEGF, collagen II, and TIMP-1 in fracture healing (Submitted for publication).
- 41) Steinbrech DS, Mehrara BJ, Saadeh PB, Spector JS, Luchs JS, Greenwald JA, Gittes GK, Longaker MT: Vascular endothelial growth factor mRNA expression is regulated by platelet-derived growth factor in rat osteoblasts. (Submitted to *Journal of Surgical Research*, 1999.)
- 42) Greenwald JA, Mehrara BJ, Spector JA, Steinbrech DS, Saadeh PB, Gittes GK, Longaker MT: Regional differentiation of dura mater determines fate of cranial sutures. The 33rd Annual Meeting of the Association of Academic Surgery. (Submitted to *Journal of Surgical Research*, 1999.)

- 43) Steinbrech DS, Mehrara BJ, Saadeh PB, Spector JS, Luchs JS, Greenwald JA, Gittes GK, Longaker MT: Hypoxia induces changes in gene expression of molecules important to bone repair in primary osteoblasts (Submitted to *Plastic and Reconstructive Surgery*, 1999)
- 44) Rowe NM, Steinbrech DS, Mehrara BJ, Saadeh PB, Dudziak ME, Luchs JS, Greenwald JA, Paccione MF, Gittes GK, Longaker MT: Gene expression of VEGF, TGF- β 3 Collagen II and TIMP-1: Molecules important to rat membranous bone repair. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 45) Leung JD, Steinbrech DS, Mehrara BJ, Gerrets RP, Saadeh PB, Luchs JS, Gittes GK, Longaker MT: The hypoxic regulation of genes known to be involved in fracture healing: Collagen II and III, TGF- β 2, and β 3, TGF- β RI and RII, and TIMP-1 in primary osteoblasts. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 46) Steinbrech DS, Mehrara BJ, Saadeh PB, Luchs JS, Spector JS, Greenwald JA, Gittes GK, Longaker MT: The molecular regulation of hypoxia-induced VEGF expression in primary osteoblasts suggests an oxygen-sensing mechanism. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 47) Luchs JS, Mehrara BJ, Paccione MF, Steinbrech DS, Greenwald JA, Spector JA, Saadeh PB, Gittes GK, Longaker MT: The expression of BMP-2/4 and BMP-7 during membranous bone fracture repair. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 48) Saadeh PB, Mehrara BJ, Steinbrech DS, Luchs JS, Greenwald JA, Spector JA, Gittes GK, Longaker MT: Molecular mechanisms of angiogenesis during fracture healing. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 49) Dudziak ME, Saadeh PB, Mehrara BJ, Steinbrech DS, Spector JA, Greenwald JA, Paccione MF, Gittes GK, Longaker MT: Ionizing Radiation: effects on osteoblast-like cells *in vitro* and a potential gene therapy-mediated phenotypic “rescue”. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 50) Paccione MF, Saadeh PB, Mehrara BJ, Steinbrech DS, Spector JA, Greenwald JA, Luchs JS, Gittes GK, Longaker MT: The regulation of VEGF expression in osteoblastic cells. *Owen H. Wangensteen Surgical Forum XLXX*—Proceedings of the 85th Annual Sessions of Owen H. Wangensteen Surgical Forum (In press, 1999).
- 51) Saadeh JA, Mehrara BJ, Gosain AK, Paccione MF, Steinbrech DS, Spector JA, Gittes GK, Longaker MT: Fracture healing: the effects of strain on osteoblasts. *Plastic Surgical Forum; Volume XXII* (In press, 1999).
- 52) Greenwald JA, Mehrara BH, Saadeh PB, Steinbrech DS, Gittes GK, Longaker MT: Re-ossification of calvarial defects: immature vs. mature dura mater. *Plastic Surgical Forum; Volume XXII* (In press, 1999).

- 53) Saadeh PB, Mehrara BJ, Dudziak ME, Steinbrech DS, Spector JA, Greenwald JA, Gittes GK, Longaker MT: Osteoradionecrosis: Cellular mechanisms and gene therapy. *Plastic Surgical Forum; Volume XXII* (In press, 1999).
- 54) Steinbrech DS, Mehrara BJ, Saadeh PB, Rowe NM, Dudziak ME, Luchs JS, Greenwald JA, Spector JA, Gittes GK, Longaker MT: An overview of the gene expression of ten molecules critical for osteogenesis in membranous bone healing. *Plastic Surgical Forum; Volume XXII* (In press, 1999).
- 55) Mehrara BJ, Saadeh PB, Steinbrech Ds, Paccione MF, Gittes GK, Longaker MT: Molecular differences between acute mandibular bone lengthening and distraction osteogenesis. *Plastic Surgical Forum; Volume XXII* (In press, 1999).
- 56) Steinbrech DS, Mehrara BJ, Saadeh PB, Luchs JS, Greenwald JA, Paccione MF, Gittes GK, Longaker MT: Adenovirus-mediated delivery of TGF- β 1 in dermal fibroblasts: a model of gene therapy for wound healing. *Plastic Surgical Forum; Volume XXII* (In press, 1999).
- 57) Bouletreau PJ, Warren SM, Spector JA, Steinbrech DS, Mehrara BJ, Longaker MT: Factors in the fracture microenvironment induce primary osteoblast angiogenic cytokine production. *Plast Reconstr Surg.* 2002 Jul;110(1):139-48.
- 58) Saadeh PB, Khosla RK, Mehrara BJ, Steinbrech DS, McCormick SA, DeVore DP, Longaker MT: Repair of a critical size defect in the rat mandible using allogenic type I collagen. *J Craniofac Surg.* 2001 Nov;12(6):573-9.
- 59) Chin GS, Liu W, Peled Z, Lee TY, Steinbrech DS, Hsu M, Longaker MT: Differential expression of transforming growth factor-beta receptors I and II and activation of Smad 3 in keloid fibroblasts. *Plast Reconstr Surg.* 2001 Aug;108(2):423-9.
- 60) Warren SM, Steinbrech DS, Mehrara BJ, Saadeh PB, Greenwald JA, Spector JA, Bouletreau PJ, Longaker MT: Hypoxia regulates osteoblast gene expression. *J Surg Res.* 2001 Jul;99(1):147-55.
- 61) Bouletreau PJ, Steinbrech D, Spector JA, Warren SM, Greenwald JA, Mehrara BJ, Detch RC, Longaker MT: Gene expression of transforming growth factor-beta 3 and tissue inhibitor of metalloproteinase type 1 during membranous bone healing in rats. *J Craniofac Surg.* 2000 Nov;11(6):521-6.
- 62) Mehrara BJ, Saadeh PB, Steinbrech DS, Dudziak M, Grayson BH, Cutting CB, McCarthy JG, Gittes GK, Longaker MT: A rat model of gingivoperiosteoplasty. *J Craniofac Surg.* 2000 Jan;11(1):54-8.
- 63) Warren SM, Mehrara BJ, Steinbrech DS, Paccione MF, Greenwald JA, Spector JA, Longaker MT: Rat mandibular distraction osteogenesis: part III. Gradual distraction versus acute lengthening. *Plast Reconstr Surg.* 2001 Feb;107(2):441-53.
- 64) Steinbrech DS, Mehrara BJ, Saadeh PB, Greenwald JA, Spector JA, Gittes GK, Longaker MT: VEGF expression in an osteoblast-like cell line is regulated by a hypoxia response mechanism. *Am J Physiol Cell Physiol.* 2000 Apr;278(4):C853-60.
- 65) Chin GS, Liu W, Steinbrech D, Hsu M, Levinson H, Longaker MT. Cellular signaling by tyrosine phosphorylation in keloid and normal human dermal fibroblasts. *Plast Reconstr Surg.* 2000

- 66) Spector JA, Mehrara BJ, Greenwald JA, Saadeh PB, Steinbrech DS, Bouletreau PJ, Smith LP, Longaker MT: Osteoblast expression of vascular endothelial growth factor is modulated by the extracellular microenvironment. *Am J Physiol Cell Physiol*. 2001 Jan;280(1):C72-80.
- 67) Dudziak ME, Saadeh PB, Mehrara BJ, Steinbrech DS, Greenwald JA, Gittes GK, Longaker MT: The effects of ionizing radiation on osteoblast-like cells in vitro. *Plast Reconstr Surg*. 2000 Oct;106(5):1049-61.
- 68) Spector JA, Mehrara BJ, Greenwald JA, Saadeh PB, Steinbrech DS, Smith LP, Longaker MT: A molecular analysis of the isolated rat posterior frontal and sagittal sutures: differences in gene expression. *Plast Reconstr Surg*. 2000 Sep;106(4):852-61; discussion 862-7.
- 69) Greenwald JA, Mehrara BJ, Spector JA, Fagenholz PJ, Saadeh PB, Steinbrech DS, Gittes GK, Longaker MT: Immature versus mature dura mater: II. Differential expression of genes important to calvarial reossification. *Plast Reconstr Surg*. 2000 Sep;106(3):630-8; discussion 639.
- 70) Steinbrech DS, Mehrara BJ, Rowe NM, Dudziak ME, Luchs JS, Saadeh PB, Gittes GK, Longaker MT: Gene expression of TGF-beta, TGF-beta receptor, and extracellular matrix proteins during membranous bone healing in rats. *Plast Reconstr Surg*. 2000 May;105(6):2028-38.
- 71) Saadeh PB, Mehrara BJ, Steinbrech DS, Spector JA, Greenwald JA, Chin GS, Ueno H, Gittes GK, Longaker MT: Mechanisms of fibroblast growth factor-2 modulation of vascular endothelial growth factor expression by osteoblastic cells.
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- Primary Osteoblasts*. The 16th Annual Meeting of Northeastern Society of Plastic Surgeons. October 1, 1999, Burlington, VT.
- 21) Steinbrech DS, Mehrara BJ, Saadeh PB, Rowe NM, Dudziak ME, Luchs JS, Greenwald JA, Spector JA, Gittes GK, Longaker MT: *An Overview of the Gene Expression of Ten Molecules Critical for Osteogenesis in Membranous Bone Healing*. The 68th Annual Meeting of The American Society of Plastic and Reconstructive Surgery. October 24, 1999, New Orleans, LA.
 - 22) Steinbrech DS, Mehrara BJ, Saadeh PB, Rowe NM, Dudziak ME, Luchs JS, Greenwald JA, Spector JA, Gittes GK, Longaker MT: *PDGF and hypoxia stimulate VEGF in primary osteoblast cultures*. The 68th Annual Meeting of The American Society of Plastic and Reconstructive Surgery, October 24, 1999, New Orleans, LA.
 - 23) Steinbrech DS, Mehrara BJ, Saadeh PB, Luchs JS, Greenwald JA, Paccione MF, Gittes GK, Longaker MT: *Adenovirus-mediated Delivery of TGF-beta1 in Dermal Fibroblasts: A Model of Gene therapy for Wound Healing*. The 68th Annual Meeting of The American Society of Plastic and Reconstructive Surgery. October 24, 1999, New Orleans, LA.
 - 24) Steinbrech DS, Mehrara BJ, Saadeh PB, Rowe NM, Dudziak ME, Luchs JS, Greenwald JA, Spector JA, Gittes GK, Longaker MT: *Osteogenesis During Normal Membranous Bone Healing: A Comprehensive Genetic Investigation of Ten Critical Molecules*. The VIIIth International Congress of The International Society of Craniofacial Surgery. October 31—November 3, 1999, Taipei, Taiwan.
 - 25) Steinbrech DS, *Male Body contouring/ High Definition Liposuction*, 12th Annual Vegas Cosmetic Surgery and Aesthetic Dermatology - Multi Specialty Aesthetic Symposium, Las Vegas, June 8th, 2016 – June 12th 2016, Las Vegas, Nevada
 - 26) Steinbrech DS, *The New Wave of Implants: Men.*, 12th Annual Vegas Cosmetic Surgery and Aesthetic Dermatology - Multi Specialty Aesthetic Symposium, Las Vegas, June 8th, 2016 – June 12th, Las Vegas, Nevada
 - 27) Steinbrech DS, *Male Patient Perspective Body Banking*, Congreso Internacional AECEP 2016, Madrid, November 10-12, 2016 (Spanish Association of Plastic Surgery)
 - 28) Steinbrech DS, *Male Model Makeover – Non-Surgical Procedures*, Congreso Internacional AECEP 2016, Madrid, November 10-12, 2016 (Spanish Association of Plastic Surgery)
 - 29) Steinbrech DS, *Office Management 10 Commandments of PR*, Congreso Internacional AECEP 2016, Madrid, November 10-12, 2016 (Spanish Association of Plastic Surgery)
 - 30) Steinbrech DS, *BodyBanking – Utilizing the Power of Structural Fat Grafting for Men and Women – A Paradigm Shift*, Chinese Academic Conference on Adipose Plastic Surgery and International Symposium on Adipose Transplantation (CACAPS), Shanghai, July 8-9 2017
 - 31) Steinbrech DS, *Male Body Contouring: Men Are From Venus; Women Are From Mars*,

- American Society for Aesthetic Plastic Surgery (ASAPS), The Aesthetic Meeting, San Diego, April 27-May 2, 2017.
- 32) Steinbrech DS, *Abdominal Contouring – Taking it to the Next Level*, Chinese Academic Conference on Adipose Plastic Surgery and International Symposium on Adipose Transplantation (CACAPS), Shanghai, July 8-9 2017
 - 33) Steinbrech DS, *High Definition Body Contouring – Creating Shape Through Lipoplasty, Muscle Etching and Volume Addition*, Scientific Session Blue, Saturday, April 28 2017.
 - 34) Steinbrech DS, *Experienced Insights Breast & Body Contouring*, Insight: Breast Augmentation, Technology, October 19 2017.
 - 35) Steinbrech DS, *Experienced Insights Breast & Body Contouring*, Insight: Body Contouring, October 21 2017.
 - 36) Steinbrech DS, *Experienced Insights Breast & Body Contouring*, Insight: Body Contouring, Pain management, October 21 2017.
 - 37) Steinbrech DS, *Experienced Insights Breast & Body Contouring*, Insight: Body Contouring, Abdominal Etching, October 21 2017.
 - 38) Steinbrech DS, *Glute augmentation with silicone implants & fat grafting*. American Society for Aesthetic Plastic Surgery, April 26 2018.
 - 39) Steinbrech DS, *Male Global Body Sculpting*. American Society for Aesthetic Plastic Surgery, April 26 2018.
 - 40) Steinbrech DS, *Creating Shape Through Lipoplasty, Muscle Etching and Volume Addition*. American Society for Aesthetic Plastic Surgery, April 28 2018.
 - 41) Steinbrech DS, *Developing Systems in Aesthetic Practice to be Successful in the 21st Century*. American Society for Aesthetic Plastic Surgery, April 29 2018.
 - 42) Steinbrech DS, *Male Plastic Surgery – How to Get Dudes into Your Practice*. American Society for Aesthetic Plastic Surgery, April 29 2018.
 - 43) Steinbrech DS, *Body Lifting*, American Society of Plastic Surgeons, September 28 2018.
 - 44) Steinbrech DS, *Body Contouring in Men- Gluteal Augmentation*, American Society of Plastic Surgeons, September 30 2018.
 - 45) Steinbrech DS, *Practice Management Hot Topics: Focus On Social Media and Reputation Management*. North Eastern Society of Plastic Surgeons, October 27 2018.
 - 46) Steinbrech DS, *BodyBanking for Glutes*. NYRSPS Annual Meeting, November 17 2018.

- 47) Steinbrech DS, *BodyBankng: Men's Abdominal Contouring*. NYRSPS Annual Meeting, November 17 2018.
- 48) Steinbrech DS, Park City, Utah, American Brazilian Aesthetic Meeting, Feb 14-18, 2019.
- 49) Steinbrech DS, New Brunswick, NJ, New Jersey Society of Plastic Surgeons, April 13, 2019.
- 50) Steinbrech DS, Milan, Italy, The Aesthetics Meeting, May 3-5, 2019.
- 51) Steinbrech DS, New Orleans, The Aesthetic Meeting. Smoothers vs Definers in Body
- 52) Steinbrech DS, Contouring: Long-Term Definition vs Deformity, May 16 -21 2019.
- 53) Steinbrech DS, Pittsburgh, Pennsylvania, NESPS, Panel Moderator: *Facelift* Oct 4-6, 2019.

- 54) Steinbrech DS, London, UK, BAAPS Annual International Conference, Addition and Subtraction: My preferred approach to the male chest. Oct 10-11, 2019.
- 55) Steinbrech DS, London, UK, BAAPS Annual International Conference, Abs to Calves: The New Wave or MALE Muscular Enhancement with Composite Silicone and Fat-Grafting. Oct 10-11, 2019.
- 56) Steinbrech DS, London, UK, BAAPS Annual International Conference, For Surfers & Gladiators: BodyBanking to Improve Your Men's Abdominal Contouring. Oct 10-11, 2019.
- 57) Steinbrech DS, London, UK, BAAPS Annual International Conference Marketing your practice within a workable budget. Oct 10-11, 2019.
- 58) Steinbrech DS, London, UK, BAAPS Annual International Conference, Developing systems in your aesthetic practice to be successful in the 21st Century. Oct 10-11, 2019.
- 59) Steinbrech DS, London, UK, BAAPS Annual International Conference, The BodyBanking Quarterback ButtLift: My Glute Augmentation with Implant, Fat or both.. Oct 10-11, 2019.
- 60) Steinbrech DS, Guadalajara, Mexico, Annual International Symposium of Aesthetic Plastic Surgery: *The principles of BodyBanking: Can we raise the bar with lipo grafting?* Nov 7-10, 2019.
- 61) Steinbrech DS, Guadalajara, Mexico, Annual International Symposium of Aesthetic Plastic Surgery: *Male Body Contour with Muscle Gel Implants*. Nov 7-10, 2019.
- 62) Steinbrech DS, Chicago, Illinois. ASPS Chicago Meeting, BodyBanking for Better Results, Fall 2018.
- 63) Steinbrech DS, Puerto Vallarta, Mexico. Guerrero-Santos Memorial Conference, Male Body Contouring, Fall 2019
- 64) Steinbrech DS, New York, New York. The Cutting Edge , Treating Over Sculpted and Under Sculpted High-Definition Patients, Dec 5-7, 2019.
- 65) Steinbrech DS, New York, New York. The Cutting Edge , Blending Surgical and Nonsurgical Techniques for Body Contouring, Dec 5-7, 2019.
- 66) Steinbrech DS, New York, New York. The Cutting Edge , Combining Implants and Fat for Contouring the Male Chest, Dec 5-7, 2019.
- 67) Steinbrech DS, New York, New York. The Cutting Edge , Implants Gpive Excellent Shape to the Male Buttocks, Dec 5-7, 2019.
- 68) Steinbrech DS, New York, New York. The Cutting Edge , Managing Complications of Buttock Augmentation: Fat Necrosis, Fat Resorption, Correction of Asymmetry and

- Infections, and Repeat Fat Grafting, Dec 5-7, 2019.
- 69) Steinbrech DS Paris, France. IMCAS , *Live surgery - Male body contouring*, Jan30-Feb1, 2020.
 - 70) Steinbrech DS Paris, France. IMCAS , *The bodybanking quarterback buttlift – My glute augmentation with implant, fat or both.*, Jan30-Feb1, 2020.
 - 71) Steinbrech DS Chicago, Illinois. ASAPS Traveling Professor , TBA, May 12-13, 2020.
 - 72) Steinbrech DS Ibiza, Spain. SECPRE , TBA, May 27-29, 2020.
 - 73) Steinbrech DS Miami, Florida. ISAPS , TBA, Feb28-Mar1, 2020.
 - 74) Steinbrech DS Washington, DC. World Congress of APDSL , TBA, Apr 26-27, 2020.
 - 75) Steinbrech DS Lake Geneva, Wisconsin. MAPS , TBA, Jun 5-7, 2020.
 - 76) Steinbrech DS Vienna, Austria ISAPS , TBA, Sep2-5 2020.
 - 77) Steinbrech DS Maceió, Brazil. The Brazilian Society of Plastic Surgery, TBA, Nov 11-14, 2020.