

## CURRICULUM VITAE

Name: Mansher Singh, MD  
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### Education & Training:

2003-2009 M.D. All India Institute of Medical Sciences, New Delhi, India

2009- 2011 Post-Doctoral Research fellow, Dept. of Surgery, Yale University School of Medicine, New Haven, CT

2011-2014 Resident, General Surgery, Oregon Health & Science University, Portland, OR

2014 - 2016 Plastic Surgery Research Fellow, Brigham & Women's Hospital, Harvard Medical School, Boston, MA

2015- 2016 Harvard Business School, HBX CORE – a certificate program on the Fundamentals of business, Harvard Business School.

2016 -2017 General Surgery Resident, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

2017-2018 Chief Resident, General Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

2018- 2021 Plastic Surgery Resident, The Johns Hopkins University School of Medicine, Baltimore, MD. Graduated on June 25th 2021

### Licensure and Certification:

2011-2014 Medical License in the state of Oregon

2014 - Full time medical License in the state of Massachusetts, Maryland, California, New York, and New Jersey

- 2011- Certified in ACLS, BLS, ATLS
- 2020 - Board Certified in General Surgery by American Board of Surgery
- 2021- Board Eligible in Plastic & Reconstructive Surgery

Professional Societies:

- 2014- Active Member of American Society of Plastic Surgeons
- 2018 - Active Member and Committee members of American Society of Aesthetic Plastic Surgeons
- 2011- Active Member of Sigma-Xi, a research honor society
- 2011- Active Member of American College of Surgeons

Honors and Awards:

- 2020: Invited Member of Aesthetic Society's Program Committee for 2020/2021 with goals to supervise the program arrangements for the annual scientific meeting and make suggestions to the Education Commission.
- 2020: Invited Member of Annual Meeting Educational Program Committee for American Society of Plastic Surgeons and Plastic Surgery Foundation
- 2020: Invited Member of Coding and Payment Policy Subcommittee, a subsidiary of American Society of Plastic Surgeons and Plastic Surgery Foundation
- 2020: Invited Member of Legislative Advocacy Committee, a subsidiary of American Society of Plastic Surgeons and Plastic Surgery Foundation
- 2020: Editorial Board Member for 'Aesthetic Surgery Journal'
- 2019: ASERF travel scholarship for 'Aesthetic Meeting 2020'
- 2017: Best overall manuscript award for article titled "Readability, Complexity and Suitability of online resources for mastectomy and lumpectomy" at Academic Surgical Congress Meeting 2017, Las Vegas, NV
- 2016: Certificate of Appreciation from U.S Consulate General in Gauayaquil, Ecuador for significant professional and humanitarian volunteer services for a cleft lip/palate mission trip as a member of 'Global Smile Foundation'
- 2015: Travel fellowship grant for Project 'Pixelgrafting: An evolution of mincing for transplantation of full-thickness wounds'
- 2012: 'William S. Fletcher' Award for excellence in Translational Research

- 2012: 'Howard Martin' Award for Best Resident at Oregon Health & Science University
- 2004-2008: KVPY Award and Scholarship for excellence in research and scientific aptitude as medical student. Only 10 students were awarded all over India.
- 2003: Gold Medalist in National Biology Olympiad
- 2003: Merit Scholarship for being amongst "Top 0.1% Student in Biology" all over India – Senior Secondary School
- 2002: National Science Olympiad – 1<sup>st</sup> at State level and 14<sup>th</sup> at National Level
- 2002: Merit Certificate for excellence in Chemistry Olympiad
- 2001: Merit Scholarship for being amongst "Top 0.1% Students in Science" all over India – Secondary School
- 2001: Ranked among top 10 students in the secondary school examination (among more than 400,000 students)

Funding:

- 2012: 'Charles W Ohse' research grant for studying the role of TGF-beta in Myxomatous Mitral Valve Disease

Peer-Reviewed Publications:

**Total Publications – 67, Total Citations – 1006, H-index - 19**

1. **Singh M**, Chauhan AS, Singh G, Cho B, Coon D, Tan B, Lee HH. Did Caitylin Jenner's Facial Feminization Surgery Impact Public Interest in Gender Reassignment Surgery and Facial Feminization Surgery? *Facial Plast Surg Aesthet Med*. 2020 Mar/Apr;22(2):117-119.
2. Grolman JM, **Singh M**, Mooney DJ, Eriksson E, Nuutila K. Antibiotic containing agarose hydrogel for wound and burn care. *J Burn Care Res*. 2019 Jun 27. pii: irz113. doi: 10.1093/jbcr/irz113. [Epub ahead of print]
3. Hellmann J, Sansbury BE, Wong B, Li X, **Singh M**, Nuutila K, Chiang N, Eriksson E, Serhan CN, Spite M. Biosynthesis of D-Series Resolvins in Skin Provides Insights into their Role in Tissue Repair. *J Invest Dermatol*. 2018 Sep;138(9):2051-2060.
4. Tran BNN, **Singh M**, Lee BT, Rudd R, Singhal D. Readability, complexity, and suitability analysis of online lymphedema resources. *J Surg Res*. 2017 Jun 1;213:251-260.
5. Tran BNN, **Singh M**, Singhal D, Rudd R, Lee BT. Readability, complexity, and suitability of online resources for mastectomy and lumpectomy. *J Surg Res*. 2017 May 15;212:214-221.

6. **Singh M**, Kobraei EM, Nuutila K, Wee JO, Caterson EJ. Delayed haemothorax and fracture of titanium plate rib fixation following oncologic chest wall reconstruction. *ANZ J Surg.* 2017 May 3. doi: 10.1111/ans.13963.
7. Kruse CR, **Singh M**, Targosinski S, Sinha I, Sørensen JA, Eriksson E, Nuutila K. The effect of pH on cell viability, cell migration, cell proliferation, wound closure, and wound reepithelialization: In vitro and in vivo study. *Wound Repair Regen.* 2017 Apr;25(2):260-269.
8. **Singh M**, Nuutila K (Co-first author), Kruse C, Eriksson E. Wound Healing from dermal grafts containing CD34+ cells is comparable to split-thickness micrografts. *Plast Reconstr Surg.* 2017 Aug;140(2):306-314
9. Rios-Diaz AJ, Metcalfe D, Olufajo OA, Zogg CK, Yorkgitis B, **Singh M**, Haider AH, Salim A. Geographic Distribution of Trauma Burden, Mortality, and Services in the United States: Does Availability Correspond to Patient Need? *J Am Coll Surg.* 2016 Dec;223(6):764-773.e2
10. Kruse CR, **Singh M**, Sørensen JA, Eriksson E, Nuutila K. The effect of local hyperglycemia on skin cells in vitro and on wound healing in euglycemic rats. *J Surg Res.* 2016 Dec;206(2):418-426.
11. **Singh M**, Kinsley S, Huang A, Ricci JA, Clancy TE, Irani J, Goldberg J, Breen E, Bleday R, Talbot SG. Gracilis Flap Reconstruction of the Perineum: An Outcomes Analysis. *J Am Coll Surg.* 2016 Oct;223(4):602-10.
12. **Singh M**, Nuutila K, Sinha I, Eriksson E. Endotoxin-induced Inflammation in a Rodent Model up regulates IL-1a expression and CD45+ Leukocyte Recruitment and Increases the Rate of Re-epithelialization and Wound Closure. *Wound Repair Regen.* 2016 Sep;24(5):820-828.
13. **Singh M**, Nuutila K, Collins KC, Hunag A. Evolution of skin grafting for treatment of burns: Reverdin pinch grafting to Tanner mesh grafting & beyond. *Burns.* 2017 Sep;43(6):1149-1154.
14. **Singh M**, Ricci JA, Dunn IF, Caterson EJ. Alloderm Covering over Titanium Cranioplasty may Minimize Contour Deformities in the Frontal Bone Position. *J Craniofac Surg.* 2016 Jul;27(5):1292-4.
15. **Singh M**, Nuutila K, Minasian R, Kruse C, Eriksson E. Development of a precise experimental burn model. *Burns.* 2016 Nov;42(7):1507-1512
16. **Singh M**, Dugdale CM, Solomon IH, Huang A, Montgomery MW, Pomahac B, Yawetz S, Maguire JH, Talbot SG. Rapid-Growing Mycobacteria Infections in Medical Tourists: Our Experience and Literature Review. *Aesthet Surg J.* 2016 Sep;36(8):NP246-53.
17. **Singh M**, Minasian R, Jackson M, Caterson EJ. Ocular reconstruction using bone-anchored implants in irradiated facial deformities after tumor extirpation. *J Craniofac Surg.* 2016 Nov;27(8):2141-2142.
18. **Singh M**, Li H, Caterson EJ, Talbot SG. Innervated Free Gracilis Muscle Transfer: An Experimental Model. *J Craniofac Surg.* 2016 Sep;27(6):1515-6.
19. **Singh M**, Dugdale C, Solomon I, Calderwood M, Talbot SG. Silicone-induced granuloma after buttock augmentation. *Plast Reconstr Surg Glob Open.* 2016 Feb 19;4(2):e624.

20. **Singh M**, Li H, Nuutila K, Collins KC, Wall J, Riviello R, Weaver MJ, Pribaz JJ, Talbot SG. Innovative techniques for maximizing limb salvage and function. *J Burn Care Res*. 2017 May/Jun;38(3):e670-e677.
21. Pribaz JJ, **Singh M (co-first author)**, Stephen W, Caterson EJ. Osteocutaneous Second-Toe Free Flap as Alternative Option for Repair of Anterior Oronasal Fistula: Long-Term Results in Selected Patients. *J Craniofac Surg*. 2016 Sep;27(6):1486-8.
22. **Singh M**, Benjamin M, Turenne M, Lang G, Li H, Carty M, Pribaz J, Pomahac B, Talbot SG. Use of video clips to assess the outcomes of bilateral hand transplantation. *Plast Reconstr Surg Glob Open*. 2015 Dec 9;3(11):e553.
23. Rios-Diaz AJ, Metcalfe D, Olufajo OA, Zogg CK, Yorkgitis B, **Singh M**, Haider AH, Salim A. Geographic Distribution of Trauma Burden, Mortality and Services in the United States: Does Availability Correspond to Patient Need? *J Am Coll Surg*. 2016 Dec;223(6):764-773.e2.
24. **Singh M**, Ricci JA, Talbot SG, Chiocca EA, Dunn IF, Caterson EJ. Reconstruction of rare skull metastases using free Latissimus Dorsi Flap and the role of pre-operative embolization in hypervascular skull tumors. *J Craniofac Surg*. 2015 Nov;26(8):2289-92.
25. Nuutila K, **Singh M (co-first Author)**, Kruse C, Philip J, Caterson EJ, Eriksson E. Titanium Wound Chambers for wound healing research. *Wound Repair Regen*. 2016 Nov;24(6):1097-1102.
26. Kruse C, **Singh M**, Sørensen J, Eriksson E, Nuutila K. The effect of local hyperglycemia on skin cells in vitro and on wound healing in euglycemic rats. *J Surg Res*. 2016 Dec;206(2):418-426.
27. **Singh M**, Oser M, Zinser J, Sisk G, Carty MJ, Sampson C, Pribaz J, Pomahac B, Talbot SG. Psychosocial outcomes after bilateral hand transplantation. *Plast Reconstr Surg Glob Open*. 2015 Oct 9;3(10):e533.
28. Daly LT, Tsai DM, **Singh M**, Nuutila K, Minasian R, Lee CY, Kiwanuka E, Hackl F, Onderdonk A, Junker J, Eriksson E, Caterson EJ. Topical Minocycline Effectively Decontaminates and Reduces Inflammation in Infected Porcine Wounds. *Plast Reconstr Surg*. 2016 Nov;138(5):856e-868e.
29. Liu P, **Singh M**, Eriksson E. Academic Status of Plastic Surgery in the United States and the Relevance of Independence. *Handchir Mikrochir Plast Chir*. 2016 Apr;48(2):65-68.
30. Holzman NL, **Singh M**, Caterson SA, Eriksson E, Pomahac B. Use of Tumescence for outpatient abdominoplasty and other concurrent body contouring procedures – a review of 65 consecutive patients. *Eplasty*. 2015 Sep 1;15:e38.
31. Caterson SA, **Singh M**, Kueckelhaus M, Caterson EJ, Eriksson E. Skin excision as an adjunctive technique to rhinoplasty in elderly patients. *Plast Reconstr Surg Glob Open*. 2015 Oct 9;3(10):e532.
32. **Singh M**, Sisk G, Carty M, Sampson C, Blazar P, Dyer G, Earp B, Pribaz J, Talbot SG. Functional outcomes after bilateral hand transplantation – a 3.5 year comprehensive follow-up. *Plast Reconstr Surg*. 2016 Jan;137(1):185-9.

33. **Singh M**, Lim C, Eriksson E. Role of decreased immunosuppression regimen in a heart transplant recipient with more than 500 squamous cell cancers. *Med Oncol*. 2015 Sep;32(9):674.
34. Rios-Diaz AJ, Metcalfe D, **Singh M**, Zogg C, Olufajo OA, Ramos M, Caterson EJ, Talbot SG. Inequalities in Specialist Hand Surgeon Distribution Across the United States. *Plast Reconstr Surg*. 2016 May;137(5):1516-22.
35. Caterson SC, **Singh M**, Orgill D, Ghazinouri R, Ciociolo G, Laskowski K, Greenberg JO. Development of Standardized Clinical Assessment and Management Plans (SCAMPs) in the field of Plastic & Reconstructive Surgery: A Quality Improvement Project. *Plast Reconstr Surg Glob Open*. 2015 Sep 9;3(9):e510.
36. **Singh M**, Nuutila K, Kruse C, Dermietzel A, Caterson EJ, Eriksson E. Pixelgrafting: An evolution of mincing for transplantation of full-thickness wounds. *Plast Reconstr Surg*. 2016 Jan;137(1):92e-99e.
37. **Singh M**, Carty M, Nuutila K, Ricci JA, Caterson EJ, Caterson SA. Saved by De-Epithelialization: DIEP Flap Dermal Skin Regeneration Salvage After Severe Mastectomy Skin Flap Loss. *Plast Reconstr Surg Glob Open*. 2015 Sep 10;3(9):e511.
38. **Singh M**, Ricci JA, Caterson EJ. The Use of Intraoperative Computed Tomography for Revisional Procedures in Patients with Complex Maxillofacial Trauma. *Plast Reconstr Surg Glob Open*. 2015 Aug 10;3(7):e463.
39. **Singh M**, Nuutila K, Chauhan AS, Eriksson E. Invasive Squamous Cell Carcinoma in full-thickness burn wounds following treatment with Cultured Epithelial Autografts. *Plast Reconstr Surg Glob Open*. 2015 Aug 10;3(7):e460.
40. **Singh M**, Cauley R, Smith T, Caterson EJ. Use of Pedicled Trapezius myocutaneous flap for posterior skull reconstruction. *J Craniofac Surg*. 2015 Jul 23. [Epub ahead of print]
41. **Singh M**, Vasudeva V, RiosDiaz AJ, Dunn IF, Caterson EJ. Intraoperative development of tension pneumocephalus in a patient undergoing repair of a cranial-dural defect under nitrous oxide anesthesia. *J Surg Tech Case Rep*. 2015 Jan-Jun;7(1):20-2.
42. Caterson SA, **Singh M**, Talbot SG, Eriksson E. Reconstruction of Areolar Projection using a purse-string suture technique. *Plast Reconstr Surg Glob Open*. 2015 Aug 10;3(7):e453.
43. **Singh M**, RiosDiaz AJ, Golby AJ, Caterson EJ. 'Countersinking' of Reservoir in irradiated patients can decrease tension on scalp closure. *Surg Neurol Int*. 2015 Jul 23;6(Suppl 11):S334-6.
44. Caterson EJ, **Singh M**, Stephens W, Pribaz JJ. Use of osteocutaneous 2nd toe free flap for anterior oronasal fistulas. *Plast Reconstr Surg*. 2015 Oct;136(4):834-7.
45. **Singh M**, Kruse C, Eriksson E, Caterson EJ. Deep temporal fascia coverage of the loading weight in paralytic lagophthalmos patients. *J Craniofac Surg*. 2015 Jul;26(5):1631-3.
46. **Singh M**, RiosDiaz AJ, Gobble R, Caterson EJ. Causal relation between nerve compression and migraine symptoms and the therapeutic role of surgical decompression. *Plast Reconstr Surg Glob Open*. 2015 Jun 5;3(5):e395.

47. Kruse CR, Nuutila K, Lee C, Kiwanuka E, **Singh M**, Caterson EJ, Eriksson E, Sørensen JA. The external microenvironment of healing skin wounds. *Wound Repair Regen*. 2015 Jul-Aug;23(4):456-64.
48. **Singh M**, Nuutila K, Kruse C, Caterson E, Robson M, Eriksson E. Challenging the conventional therapy: Emerging skin graft techniques for wound healing. *Plast Reconstr Surg*. 2015 Oct;136(4):524e-30e
49. **Singh M**, Nuutila K, Kruse C, Caterson E, Robson M, Eriksson E. A novel skin grafting technique with 1:100 expansion: Xpansion<sup>®</sup> micrografting system. *Journal of Wound Technology*. Issue 27 2015 January 2015.
50. **Singh M**, Noone RB, Afolabi H, Caterson E. A tribute to the founding figures of American Board of Plastic Surgery. *Plast Reconstr Surg*. 2015 Jun;135(6):1047e-1054e.
51. Caterson E, **Singh M**, Turko A, Weaver MJ, Talbot S. The medial femoral condyle free osteocutaneous flap for osteomyelitis in pilon fractures. *Injury*. 2015 Feb;46(2):414-8.
52. **Singh M**, Nuutila K, Kruse C, Granter SR, Caterson EJ, Eriksson E. Fate of the dermal component of Micrografts in full-thickness wounds. *Eplasty*. 2014 Oct 9;14:e38.
53. Geirsson A, **Singh M**, Ali R, Abbas H, Wei L, Sanchez J, Hashim S, Tellides G. Modulation of Transforming Growth Factor- $\beta$  Signaling and Extracellular Matrix in Myxomatous Mitral Valve Degeneration by Angiotensin II Receptor Blocker Losartan. *Circulation*. Sep 2012;126(11): S189-196
54. **Singh M**, Singh G, Pandey A, Cha Charles, Kulkarni S. Laparoscopic repair of iatrogenic diaphragmatic hernia following Radiofrequency ablation for Hepatocellular Carcinoma. *Hepatol Res*. 2011 Nov;41(11):1132-6
55. Cuffy MC, **Singh M**, Formica R, Simmons E, Abu Alfa AK, Carlson K, Girardi M, Cowper SE, Kulkarni S. Renal transplantation for nephrogenic systemic fibrosis: a case report and review of the literature. *Nephrol Dial Transplant*. 2011 Mar; 26(3):1099-101.
56. LaPar DJ, Ailawadi G, Bhamidipati CM, **Singh M**, Dare D, Kern JA, Kron IL. Use of a nonpledgeted suture technique is safe and efficient for aortic valve replacement. *J Thorac Cardiovasc Surg*. 2011 Feb;141(2):388-93.
57. Pandey A, Patni N, **Singh M**, Sood A, Singh G. YouTube as a source of information on H1N1 influenza pandemic. *Am J Prev Med*. 2010 Mar;38(3):e1-3.
58. **Singh M**, Singh G, Hogan KT, Atkins KA, Schroen AT. The effect of intraoperative specimen inking on lumpectomy re-excision rates. *World J Surg Oncol*. 2010 Jan 18;8(1):4.
59. Pandey A, Patni N, Sarangi S, **Singh M**, Sharma K, Vellimana AK, Patra S. Association of exclusive smokeless tobacco consumption with hypertension in an adult male rural population of India. *Tob Induc Dis*. 2009 Nov 24;5(1):15.
60. **Singh M**, Pandey A, Karikari CA, Singh G, Rakheja D. Cell cycle inhibition and apoptosis induced by curcumin in Ewing sarcoma cell line SK-NEP-1. *Med Oncol*. 2010 Dec;27(4):1096-101.

61. Gupta A, **Singh M**, Singh H, Kumar L, Sharma A, Bakhshi S, Raina V, Thulkar S. Infections in acute myeloid leukemia: an analysis of 382 febrile episodes. *Med Oncol*. 2010 Dec;27(4):1037-45.
62. Hristov AC, Cope L, Di Cello F, Reyes MD, **Singh M**, Hillion JA, Belton A, Joseph B, Schuldenfrei A, Iacobuzio-Donahue CA, Maitra A, Resar LM. HMGA1 correlates with advanced tumor grade and decreased survival in pancreatic ductal adenocarcinoma. *Mod Pathol*. 2010 Jan;23(1):98-104.
63. Pandey A, Patni N, **Singh M**, Guleria R. Assessment of risk and prophylaxis for deep vein thrombosis and pulmonary embolism in medically ill patients during their early days of hospital stay at a tertiary care center in a developing country. *Vasc Health Risk Manag*. 2009;5:643-8.
64. Hristov AC, Cope L, Reyes MD, **Singh M**, Iacobuzio-Donahue C, Maitra A, Resar LM. HMGA2 protein expression correlates with lymph node metastasis and increased tumor grade in pancreatic ductal adenocarcinoma. *Mod Pathol*. 2009 Jan;22(1):43-9..
65. Elefteriades J, **Singh M**, Tang P, Siegel MD, Kenney B, Pandey A, Kopf GS. Unilateral diaphragm paralysis: etiology, impact, and natural history. *J Cardiovasc Surg (Torino)*. 2008 Apr;49(2):289-95.
66. Hatzaras IS, Bible JE, Koullias GJ, Tranquilli M, **Singh M**, Elefteriades JA. Role of exertion or emotion as inciting events for acute aortic dissection. *Am J Cardiol*. 2007 Nov 1;100(9):1470-2.
67. **Singh M**, Maitra A. Precursor lesions of pancreatic cancer: molecular pathology and clinical implications. *Pancreatol*. 2007;7(1):9-19.

Book Chapter:

1. **Singh M**, Singh G, Wong V. Biofilms in Chronic Wounds: Current Research and future directions. In Press. 'Recent Developments in Biotechnology Vol. 3: Microbial Biotechnology'
2. Nuutila K, **Singh M**, Eriksson E. Gene Therapy in Skin and Wound Healing. August 2018. In: Gene Therapy in Reconstructive and Regenerative Surgery

Editor:

1. Aesthetic Surgery Journal
2. Annals of Surgery International
3. Trends in clinical research: open access
4. Annals of clinical case reports
5. Advances in Plastic & Reconstructive Surgery



Invited Peer-Reviewer:

1. Plastic and Reconstructive Surgery
2. Aesthetic Surgery Journal
3. Aesthetic Plastic Surgery
3. Cancer
4. World Journal of Surgery
5. Surgery
6. Surgical Oncology
7. American Journal of Clinical Oncology

Extra-curricular activities/Interests:

Boxing (Fighter-Conditioning), Ice Skating, Travelling