

CURRICULUM VITAE

1. Date: February 10, 2015
2. Name: Harvey W.M. Chim
3. Office Phone: (305)243-4500
4. Current Academic Rank: Assistant Professor of Plastic and Reconstructive Surgery
5. Primary Department: Surgery
6. Secondary or Joint Appointments: N/A

7. **Institutional** (institution; degree; date conferred):

1997-2002 National University of Singapore School of Medicine M.B.B.S

8. **Non-Institutional** (description; board or agency; dates):

Fellow, Hand Surgery Aug 2013-
Mayo Clinic, Rochester, MN July 2014
Program Director: Alex Shin, M.D.

Resident, Plastic Surgery Integrated Program July 2007-
Case Western Reserve University, Cleveland, OH June 2013
Program Director : Bahman Guyuron, M.D., FACS

Resident October 2005
Tan Tock Seng Hospital & Singapore General Hospital – April 2007
Orthopaedic and Hand Surgery, :Program Director: Yung-Hwa Li, FRCS
Plastic Surgery and Burns, SGH; Program Director: Colin Song, FRCS
Hand Surgery, SGH; Program Director: Lam-Chuan Teoh, FRCS

Resident- Singapore General Hospital (Singapore) May 2003 –
General Surgery, SGH; Program Director: Khee-Chee Soo, MD, October 2003
FRACS, FACS

Intern- National Healthcare Group (Singapore) May 2002-
General Medicine, General Surgery, Pediatrics April 2003

9. Certification, licensure (description; board or agency; dates):

ECFMG Certification 2006

Ohio Medical License (# 35.120768) 2013-2015

Florida Medical License (# ME 120346) 2014-2016

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10. Academic Appointment

University of Miami Miller School of Medicine 9/2014 – Present
Division of Plastic, Aesthetic and Reconstructive Surgery
Assistant Professor of Clinical Surgery

11. Hospital Appointments (institutions, dates): N/A

12. Non- Academic: N/A

13. Military:

Staff Officer (Healthcare/ Human Performance Branch) November 2003 – Sept 2005
Republic of Singapore Navy- Commissioned Rank: Captain
In charge of: Health Education, Occupational Health, Healthcare and Medical Research
issues for Republic of Singapore Navy.

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14. Books and monographs published: N/A

- 1) Hagert E, **Chim H**, Moran SL (2013). Anatomy of the distal radioulnar joint and the ulnocarpal complex. In: The Distal Radius Ulnar Joint. (ASSH).
- 2) Miller E, **Chim H**, Schantz JT (2013). Regenerative medicine in the craniofacial field. In: Manuals in Biomedical Research: Regenerative Medicine. Schantz JT, Hutmacher DW, Eds. (World Scientific).
- 3) **Chim H**, Gosain AK (2013). Congenital melanocytic nevi. In: Grabb and Smith's Plastic Surgery. 7th Ed. C Thorne, Ed. (LWW).
- 4) **Chim H**, Gosain AK (2013). Vascular anomalies. In: Grabb and Smith's Plastic Surgery, 7th Ed. C Thorne, Ed. (LWW).
- 5) Salgado CJ, Becker D, Armijo BS, Duncan A, **Chim H** (2013). Management of chronic osteomyelitis (in the lower extremity). In: Reconstructive surgery of the lower extremity. Pu LLQ, Levine JP, Wei FC, Eds. (St Louis: Quality Medical Publishing).
- 6) **Chim H**, Evans KK, Bite U, Petty P, Mardini S (2013). Tissue expanders and abdominal wall reconstruction. In: Abdominal Wall Reconstruction. M Nahabedian, P Bhanot, Eds. (Cine-Med, Inc).
- 7) **Chim H**, Gosain AK. Oromotor disorders due to cranio-facial anatomical defects/malformations (2012). In: Oro-motor disorders in childhood. M. Roig-Quilis, L. Pennington, Eds. (Barcelona: Viguera Editores SL).
- 8) **Chim H**, Gosain AK. Surgical treatment of cranio-facial anatomical defects/malformations (2012). In: Oro-motor disorders in childhood. M. Roig-Quilis, L. Pennington, Eds. (Barcelona: Viguera Editores SL).
- 9) **Chim H**, Arneja JS, Gosain AK. Alloplastic augmentation of the facial skeleton (2011). In: Plastic Surgery Board Review (Pearls of Wisdom) 2nd Ed. S.L. Lin, J. Hijjawi, Eds. (Mcgraw-Hill).

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- 10) **Chim H**, Evans KK, Salgado CJ, Mardini S. Abdominal wall anatomy and vascular supply (2011). In: Atlas of abdominal wall reconstruction. M Rosen, Ed. (Philadelphia, Elsevier).
- 11) Salgado CJ, **Chim H**. Selection and use of tissue expanders in breast reconstruction. Plastic Surgery Hyperguide, Vindico Medical Education. Online, 2011.
- 12) Schantz JT, **Chim H**. Biological Guidance (2010). In: Cell and Organ Printing. P.K.Wu., et al., Eds. (Springer).
- 13) **Chim H**, Gosain AK. Guidance strategies in hand tissue engineering: manipulating the microenvironment through cellular and material cues (2010). In: Tissue Engineering for the Hand: Research Advances and Clinical Applications. J. Chang, G. Gupta, Eds. (World Scientific).
- 14) **Chim H**, Gosain AK. Use of alloplastic materials in head and neck reconstruction: Indications avoiding complications. Plastic Surgery Hyperguide, Vindico Medical Education. Online, 2010.
- 15) **Chim H**, Gosain AK. Bone substitutes and bone growth factors. (2008) In: Head and Neck Trauma. A.N. Goldberg., et al., Eds. (New York: Informa Healthcare).
- 16) **Chim H**, Tang MBY. Keloids & hypertrophic scarring. (2008) In: Essential Tissue Healing of the Face and Neck. D. Hom., et al., Eds. (Ontario: BC Decker Inc.).

In Press not yet printed:

- 1) **Chim H**, Gosain AK. Vascular anomalies. In: Essentials of Plastic Surgery. Dayicioglu D, Oeltjen JC, S. Thaller, Eds. *in press*.
- 2) **Chim H**, Salgado CJ. Microsurgery: General principles. In: Essentials of Plastic Surgery. Dayicioglu D, Oeltjen JC, S. Thaller, Eds. *in press*.
- 3) **Chim H**, Evans KK. Mardini S. Anterolateral thigh perforator flap. In: Flaps in limb reconstruction: anatomy, technique, technology & controversies. Ignatiadis I, Gravvanis A, Georgescu A, Zgonis T, Eds. (Lippincott Williams & Wilkins). *in press*.

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- 4) **Chim H**, Evans KK, Mardini S. Vastus lateralis perforator flap. In: Flaps in limb reconstruction: anatomy, technique, technology & controversies. Ignatiadis I, Gravvanis A, Georgescu A, Zgonis T, Eds. (Lippincott Williams & Wilkins). *in press*.
 - 5) **Chim H**, Moran SL, Shin AY. Bone and soft tissue reconstruction. In: Rockwood and Green's Fractures in Adults, 8th Ed. JD Heckman, C Court-Brown, P Tornetta III, M McQueen, WM Ricci, M McKee, Eds. (Lippincott Williams & Wilkins). *in press*
 - 6) **Chim H**, Mardini S. Component separation. In: Operative Procedures in Plastic, Aesthetic and Reconstructive Surgery. SR Thaller, CJ Salgado, W Kasira, AS Hoschander, Eds. (Informa Healthcare). *in press*.
 - 7) **Chim H**, Bishop AT, Spinner RJ, Shin AY. Traumatic brachial plexus injury in the pediatric population. In: The Pediatric Upper Extremity. Kozin S, Eds. (Springer). *in press*.
 - 8) **Chim H**, Kakar S. 1, 2 ICSRA for management of proximal pole scaphoid fracture. In: Scaphoid Fractures and Nonunions: A Clinical Casebook. Yao J, Ed. (Springer). *in press*.
15. Juried or refereed journal articles or exhibitions:
- 1) **Chim H**, Amer H, Mardini S, Moran SL. Vascularized composite allotransplantation in the realm of regenerative plastic surgery. Mayo Clinic Proceedings; 89(7):1009-1020. PMID: 24996237. July 2014.
 - 2) Maricevich M, Maricevich R, **Chim H**, Moran SL, Rose PS, Mardini S. Reconstruction following partial and total sacrectomy defects: An analysis of outcomes and complications. JPRAS; pii: S1748-6815(14)00217-4. Doi:10.1061/j.bjps.2014.05.001. [Epub ahead of print] PMID: 24907194. May 2014.
 - 3) **Chim H**, Reese SK, Toomey SN, Moran SL. Update on the surgical treatment for rheumatoid arthritis of the wrist and hand. J Hand Ther; 27(2):134-41; quiz 142. Doi:10.1016/j.jht.2013.12.002. [Epub 2013 Dec 6]. PMID: 24520143. April – June 2014.

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- 4) Mardini S, Alsubaie S, Cayci C, **Chim H**, Wetjen N. Three-dimensional preoperative virtual planning and template use for surgical correction of craniosynostosis. *J Plast Reconstr Aesth Surg*; 67(3):336-43. Doi:10.1016/j.bjps.2013.11.004. PMID: 24333232. March 2014.
- 5) **Chim H**, Maricevich MA, Carlsen BT, Moran S, Salgado CJ, Wei FC, Mardini S. Challenges in replantation of complex amputations. *Semin Plast Surg*; 27(4):182-9. Doi: 10.1055/s-0033-1360585. PMID: 24872767. November 2013.
- 6) McDaniel JM, Alleyne B, Brown MS, **Chim H**, Guyuron B. Reversal of scleroderma analogue with injection of adipose-derived stem cells. *Plastic and Reconstructive Surgery*; 132(4s-1):75. Doi:10.1097/01.prs.0000435944.51610.96. October 2013.
- 7) **Chim H**, Miller E, Gliniak C, Cohen ML, Guyuron B. The Role of Different Methods of Nerve Ablation in Prevention of Neuroma. *Plast Reconstr Surg*; 131(5):1004-12. doi:10.1097/PRS.0b03e3182879ec2. PMID: 23629082. May 2013.
- 8) **Chim H**, Moran SL. Long term outcomes of proximal row carpectomy- A systematic review of the literature. *J Wrist Surg*; 1(2):141-8. Doi: 10.1055/s-0032-1329547. PMID: 24179718. November 2012.
- 9) Oh E, **Chim H**, Soltanian HT. The effects of neoadjuvant and adjuvant chemotherapy on the surgical outcomes of breast reconstruction. *J Plast Reconstr Aesth Surg*; 65(10):e267-80. doi:10.1016/j.bjps.2012.04.053 [Epub 2012 May 24]. PMID: 22633392. October 2012.
- 10) **Chim H**, Soltanian HT. Spontaneous compartment syndrome of the forearm in association with nephrotic syndrome and transient bacteremia. *J Surg Case Rep*; 2012(8):11. Doi:10.1093/jscr/2012.8.11. PMID: 24960769. August 2012.
- 11) **Chim H**, Okada HC, Brown MS, Alleyne B, Liu MT, Zwiebel S, Guyuron B. The auriculotemporal nerve in etiology of migraine headaches: Compression points and anatomical variations. *Plast Reconstr Surg*; 130(2):336-41. Doi:10.1097/PRS.0b013e3182589dd5. PMID: 22842209. August 2012.
- 12) **Chim H**, Armijo BS, Miller E, Gliniak C, Serret MA, Gosain AK. Propranolol induces regression of hemangioma cells through HIF-1 α mediated inhibition of

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VEGF-A. *Ann Surg*; 256(1):146-56. Doi:10.1097/SLA.0b013e318254ce7a. PMID: 22580939. July 2012.

- 13) **Chim H**, Miller E, Gliniak C, Alsberg E. Stromal cell derived factor (SDF)-1alpha in combination with BMP-2 and TGF- β 1 induces site directed cell homing and osteogenic and chondrogenic differentiation for tissue engineering without the requirement for cell seeding. *Cell Tissue Res*; 350: 89-94. doi:10.1007/s00441-012-1449-x. June 2012.
- 14) MT Liu, **Chim H**, Guyuron B. Outcome Comparison of Endoscopic and Transpalpebral Decompression for Treatments of Frontal Migraine Headaches. *Plast Reconstr Surg*;129(5):1113-9. doi:10.1097/PRS.0b013e31824a2c31. PMID: 22544095. May 2012.
- 15) Evans KK, **Chim H**, Patel KM, Salgado CJ, Mardini S. Survey on ventral hernias: surgeon indications, contraindications and management of large ventral hernias. *Am Surgeon*; 78(4):388-97. PMID: 2242393. April 2012.
- 16) Muller D, **Chim H**, Bader A, Whiteman M, Schantz JT. Vascular guidance: Microstructural scaffold patterning for inductive neovascularization. *Stem Cells Int*; 2011(2011)Article ID:547247 – 6 pages. Doi:10.4061/2011/547247.
- 17) Gosain AK, **Chim H**. Discussion: Measuring quality of life in cleft lip and palate patients: Currently available patient-reported outcomes measures. *Plast Reconstr Surg*; 128(5):527e-528e. doi:10.1097/PRS.0b013e31822b6398. PMID: 22030514. Nov 2011.
- 18) **Chim H**, Gosain AK. Discussion: Oral Prednisolone for Infantile Hemangioma: Efficacy and Safety Using a Standardized Treatment Protocol. *Plast Reconstr Surg*; 128(3):753-4. doi:10.1097/PRS.0b013e31822212ec. PMID: 21866002. September 2011.
- 19) **Chim H**, Manjila S, Cohen AR, Gosain AK. Molecular signaling in pathogenesis of craniosynostosis: The role of fibroblast growth factor (FGF) and transforming growth factor beta (TGF- β). *Neurosurg Focus*;31(2)E7. Doi:10.3171/2011.5.FOCUS1197. PMID: 21806346. August 2011.
- 20) Alter GJ, Salgado CJ, **Chim H**. Aesthetic surgery of the male genitalia. *Semin Plast Surg*; 25(3):189-195. Doi: 10.1055/s-0031-1281488. PMC3312189.

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- 21) Salgado CJ, **Chim H**, Tang JC, Monstrey SJ, Mardini S. Penile reconstruction. *Semin Plast Surg*; 25(3):221-228. Doi: 10.1055/s-0031-1281492.
- 22) **Chim H**, Malkoc F, Tay SC, Yam A, Teoh LC. Technique of olecranon bone grafting for surgical fixation of scaphoid fractures. *J Hand Surg*; 36(7):1220-3. Doi:10.1016/j.jhsa.2011.04.012. PMID: 21712139.
- 23) **Chim H**, Sontich JK, Kaufman BR. Free tissue transfer with Distraction osteogenesis is effective for limb salvage of the infected traumatized lower extremity. *Plast Reconstr Surg*; 127(6):2364-72. DOI:10.1097/PRS.0b013e318213a141. PMID: 21311386. June 2011.
- 24) Salgado CJ, **Chim H**, Skowronski PP, Oeltjen J, Mardini S. Reconstruction of acquired defects of the vagina and perineum. *Semin Plast Surg*; 25(2):155-62. doi:10.1055/5-0031-1281485. PMID: 22547973. May 2011.
- 25) Gosain AK, Cortes W, **Chim H**, Beck D. Application of micro-CT Tomographic scanning to characterize patterns of murine cranial suture fusion. *Plast Reconstr Surg*; 127(5):1847-54. doi:10.1097/PRS.0b013e31820e88aa. May 2011.
- 26) Varghai D, **Chim H**, Gosain AK. Mechanical analysis of resorbable plates for long-term soft tissue molding. *J Craniofac Surg*; 22(2):543-5. doi:10.1097/SCS.0b013e318208ba49. PMID: 2140350. March 2011.
- 27) **Chim H**, Gosain AK. An Evidence-Based Approach to Craniosynostosis. *Plast Reconstr Surg*; 127(2):910-7. Doi:10.1097/PRS.0b013e318204649a. PMID: 21285796. February 2011.
- 28) Manjila S, **Chim H**, Eisele S, Chowdhry SA, Gosain AK, Cohen AR. History of the Kleeblattschädel anomaly: origin of concepts and evolution of management in the past 50 years. *Neurosurg Focus*; 29(6)E7. Doi:10.3171/2010.9.FOCUS10212. PMID: 21121721. December 2010.
- 29) Salgado CJ, **Chim H**, Pribaz JJ, Mardini S. Prefabricated cadaveric osseous flap results in viable bone for penile autoaugmentation. *Plast Reconstr Surg*; 126(5):266e-268e. doi:10.1097/PRS.0b013e3181ef8201. PMID: 21042086. November 2010.
- 30) Arneja JA, **Chim H**, Drolet BA, Gosain AK. The Cyrano nose: Refinements in surgical technique and treatment approach to hemangiomas of the nasal tip. *Plast*

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- Reconstr Surg; 126(4):1291-9. Doi:10.1097/PRS.0b013e381ea44c5. October 2010.
- 31) Salgado CJ, **Chim H**, Rowe D, Bodner DR. Vascularized cadaveric fibula flap for treatment of erectile dysfunction following failure of penile implants. *J Sex Med*; 7(10):3504-9. Doi:10.1111/j.1743-6109.2010.01914.x. PMID: 20584123. October 2010.
 - 32) **Chim H**, Drolet B, Duffy K, Koshima I, Gosain AK. Vascular anomalies and lymphedema CME. *Plast Reconstr Surg*;126(2):55e-69e. doi:10.1097/PRS.0b013e318204649a. August 2010.
 - 33) Salgado CJ, **Chim H**, Schoenoff S, Mardini S. Postoperative care and monitoring of the reconstructed head and neck patient. *Semin Plast Surg*; 24(3):281-287. Doi: 10.1055/s-0030-1263069. PMID: PMC3324228. August 2010.
 - 34) **Chim H**, Salgado CJ, Mardini S, Chen HC. Reconstruction of mandibular defects. *Semin Plast Surg*; 24(2):188-197. doi:10.1055/s-0030-1255336. PMID: PMC3324243. May 2010.
 - 35) **Chim H**, Salgado CJ, Seselgyte R, Wei FC, Mardini S. Principles of head and neck reconstruction- an algorithm to guide flap selection. *Semin Plast Surg*; 24(2):148-154. Doi: 10.1055/s-0030-1255332. PMID: PMC3324247. May 2010.
 - 36) **Chim H**, Lahiri A, Chew WYC. Atypical glomus tumor of the wrist: a case report. *Hand Surg*; 14:121-123. PMID: 20135739. 2009.
 - 37) **Chim H**, Yam AK, Tay SC, Teoh LC. Alternative Aesthetic Incisions for Fixation of Hand Fractures. *Plast Reconstr Surg*; 123(2):82e-83e. doi:10.1097/PRS.0b013e31819598729. PMID: 19182590. February 2009.
 - 38) **Chim H**, Gosain AK. Biomaterials in craniofacial surgery: Experimental studies and clinical application. *J Craniofac Surg*;20(1):29-33. Doi:10.1097/SCS.0b013e318190dd9e. PMID: 19164984. Jan 2009.
 - 39) Gosain AK, **Chim H**, Arneja JS. Application specific selection of Biomaterials for Pediatric Craniofacial Reconstruction: Developing a rational approach to guide clinical use. *Plast Reconstr Surg*; 123(1):319-330. Doi:10.1097/PRS.0b013e3181348c. PMID: 19116568. Jan 2009.

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- 40) **Chim H**, Yam AK, Yong FC. Multifocal Deep Space Hand Infection Secondary to Hematogenous Seeding from Chronic Epididymoorchitis. *J Hand Surg (Eur)*; 33(2): 221-222. April 2008
- 41) **Chim H**, Teoh LC, Yong FC. Open Reduction and Interfragmentary Screw Fixation for Symptomatic Nonunion of Distal Phalanx Fractures. *J Hand Surg (Eur)*; 33(1): 71-76 .doi:10.117711453193407057866. PMID: 18332024. February 2008.
- 42) **Chim H**, Yam AK, Teoh LC. Elbow Ganglion arising from Medial Epicondyle Pseudarthrosis. *Hand Surg*; 12(3): 155-158. PMID: 18360919. 2007.
- 43) **Chim H**, Tan BH, Song C. Five Year Review of infections in a burn intensive care unit: High incidence of *Acinetobacter Baumannii* in a tropical climate. *Burns*;33(8):1008-1014. December 2007.
- 44) **Chim H**, Yam AK, Chin AY, Teoh LC. Complex Carpal Dissociation with open, complete and divergent Trapezium, Capitate and Hamate dislocation: A Case Report. *J Hand Surg (Am)*; 32(9): 1363-1366. PMID: 17996770. November 2007.
- 45) JT Schantz, **Chim H**, Whiteman M. Cell Guidance in Tissue Engineering: SDF-1 mediates Site Directed Homing of Mesenchymal Stem Cells within three-dimensional polycaprolactone scaffolds. *Tissue Engineering*; 13(11): 2615-2624. PMID: 17961003. November 2007.
- 46) **Chim H**, Tan BK, Tan MH, Tan KC, C Song. Optimizing the use of local muscle flaps for knee megaprosthesis coverage. *Annals of Plastic Surgery*;59(4):398-403. PMID: 171901731. October 2007.
- 47) **Chim H**, Song C. *Aeromonas* infection in critically ill burn patients. *Burns*;33(6): 756-59. September 2007.
- 48) **Chim H**, Yew WS, Song C. Managing Burn Victims of Suicide Bombing Attacks: Outcomes, Lessons learnt and Changes made from Three Attacks in Indonesia. *Critical Care*; 11(1): R15. PMID: 17274813. February 2007.
- 49) **Chim H**, Wong MTC, Tan YC, Foo CL. Fronding of the Caudal Helical Cartilage in Anterior Scoring for Otoplasty. *Ann Plast Surg*; 58(2): 231-32. PMID: 17245163. February 2007.

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- 50) **Chim H**, Hutmacher DW, Chou AM, Oliveira AL, Reis RL, Lim TC, Schantz JT. A comparative analysis of different scaffold material modifications for load bearing applications in bone tissue engineering. *Int J Oral Maxillofac Surg*; 35(10): 928-34. PMID: 16762529. October 2006.
- 51) **Chim H**, Soo KH, Low E, Chan G. Severe acute respiratory syndrome in a naval diver. *Mil Med*; 171(6): 491-93. PMID: 16808126. June 2006.
- 52) **Chim H**, Chuwa E, Chau YP, Chow PKH. Gastrointestinal: Mesenteric cystic lymphangioma. *J Gastroenterol Hepatol*; 21(5): 916. PMID: 16704547. May 2006.
- 53) **Chim H**, Schantz JT. Human circulating peripheral blood mononuclear cells for calvarial bone tissue engineering. *Plast Reconstr Surg*; 117(2): 468-78. PMID:16462328. February 2006.
- 54) **Chim H**, Schantz JT. New Frontiers in Calvarial Reconstruction: Integrating Computer-assisted Design and Tissue Engineering in Cranioplasty. *Plast Reconstr Surg*; 116(6): 1726-41. PMID:16267439. November 2005.
- 55) **Chim H**, Ong JL, Agrawal CM. Efficacy of gas plasma treatment as a surface modification process for three-dimensional poly (D,L-lactide) scaffolds . *J Biomed Mater Res*; 65A (3): 327-35. PMID: 12746879. June 2003.
- 56) **Chim H**, Tan BH, Ang CC, Chew EM, Chong YS, Saw SM. The prevalence of menopausal symptoms in a community in Singapore. *Maturitas*; 41(4): 275-82. PMID: 12034514. April 2002.
- 57) Schantz JT, Hutmacher DW, **Chim H**, Ng KW, Lim TC, Teoh, SH. Induction of ectopic bone formation by using human periosteal cells in combination with a novel scaffold technology. *Cell Transplant*; 11(2): 125-38. PMID: 12099636. 2002.

Accepted but not printed

- 1) Guyuron B, Yohannes E, Miller R, **Chim H**, Reed D, Chance M. Electron microscopic and proteomic comparison of terminal branches of the trigeminal nerve on patients with and without migraine headaches. Submitted 2013: *Plast Reconstr Surg*.

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- 2) **Chim H**, Kircher MJ, Spinner RJ, Bishop AT, Shin AY. Triceps motor branch transfer for isolated traumatic pediatric axillary nerve injuries. Submitted 2013: Plast Reconstr Surg.
 - 3) **Chim H**, Kircher MJ, Spinner RJ, Bishop AT, Shin AY. Free functioning gracilis transfer for traumatic brachial plexus injuries in children. Submitted 2013: J Hand Surg.
 - 4) **Chim H**, Kircher MJ, Spinner RJ, Bishop AT, Shin AY. Reconstruction of pediatric brachial plexus injuries with nerve grafts and nerve transfers. Submitted 2013: J Hand Surg.
 - 5) **Chim H**, Liu MT, Guyuron B, Stepnick DS. Functional endoscopic sinus surgery is effective in the relief of migraine headaches. Submitted 2012: Plast Reconstr Surg.
16. Other works, publications and abstracts: N/A
17. Other works accepted for publication: N/A
18. Funded Research Performed:
- 1) Plastic Surgery Educational Foundation 2010 Pilot Grant:
Cell guidance for induction of osteogenesis and chondrogenesis,
Principal Investigator
Amount: \$10,000
 - 2) Plastic Surgery Foundation 2011 Pilot Grant:
Autologous fat grafting for scleroderma induced skin fibrosis.
Co-PI
Amount: \$10,000
 - 3) American Society of Maxillofacial Surgeons (ASMS) Research Grant 2011: Primacy of propranolol or steroids for treatment of hemangiomas.
Principal Investigator
Amount: \$7,000
19. Editorial responsibilities:
- ISRN Orthopedics journal- since 2011
Tissue Engineering – since 2006
American Journal of Infection Control- since 2008.
Saudi Medical Journal- since 2009

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Cases Journal- since 2009

Plastic Surgery International- since 2011

Burns- since 2011

Journal of Plastic, Reconstructive and Aesthetic Surgery- since 2012

British Journal of Dermatology- since 2012

International Journal of Public Health and Epidemiology- since 2013

20. Professional and Honorary Organizations (member ; officer; date):

Resident Member, American Society of Maxillofacial Surgeons (ASMS)

Resident Member, American Society for Aesthetic Plastic Surgery (ASAPS)

Resident Member, Plastic Surgery Research Council (PSRC)

Candidate Member, American Society for Surgery of the Hand (ASSH)

Candidate Member, American Association of Hand Surgery (AAHS)

Member of the Royal College of Surgeons of Edinburgh 2006
MRCSEd (Intercollegiate MRCS Diploma)

21. Honors and Awards [with dates]:

Ohio Valley Society of Plastic Surgeons Meeting 2013

Best Clinical Paper

Abstract entitled: Electron microscopy and proteomics confirm structural changes in nerves affected by migraine headaches but not control nerves

Resident Award for best paper, American Association for Hand Surgery 2013
(AAHS) Meeting

Abstract entitled: Long term outcomes of proximal row carpectomy- A systematic review

Ohio Valley Society of Plastic Surgeons Meeting 2012

Best Clinical Poster

Abstract entitled: The auriculotemporal nerve in migraine headaches: compression points and anatomical variations

ASMS Resident Scholar Award 2011

Total of 3 national awards awarded competitively sponsoring attendance at annual ASPS meeting, for senior residents

Clifford C. Snyder award for best paper presented by a plastic surgery 2011
resident at the Plastic Surgery Research Council

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Abstract entitled: Propranolol causes cytotoxicity in hemangioma cells through down regulation of VEGF-related proteins and decreased PI3/ Akt phosphorylation

Plastic Surgery Education Foundation Scientific Essay Contest- 1st prize 2009
Basic Science (Junior) category
Shaping the Hand: Guidance strategies for tissue engineering

Holzer Clinic Award for 2nd prize in oncology category 2009
Annual Meeting of Ohio Chapter of American College of Surgeons
Abstract entitled: Significance of atypical or multiple sentinel lymph node drainage basins in patients with melanoma

Residency award for Highest In-Service Exam Score 2009,2010,
2012

Residency award for Best Core Curriculum Presenter 2008

5th National University of Singapore (NUH-NUS) Faculty of 2002
Medicine Annual Scientific Meeting- Undergraduate Research Award
Top oral presentation, undergraduate section

Gold Medal for Ophthalmology 2000

Tan Lark Sye scholarship 1999
Merit award based on academic performance & extracurricular activities
(1 per year)

Academy of medicine prize 1998
Second in class for 1st professional examinations

Oliviero prize for Biochemistry 1998
Top student of faculty

Dean's List 1998,1999,
One of Top 10 Students in a class of 180 2001

22. Post- Doctoral Fellowships: N/A

23. Other Professional Activities:

Course Attended:

Master of Medicine (Surgery) 2006
Postgraduate Surgical Qualification (Singapore)

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- Naval Undersea Medical Officers Course 2006
Trained in Diving and Hyperbaric Medicine. (Graduated first in class.)
- 2006 Instructional Course in Basic Microsurgery
- 2007 The Wrist Course
Cadaveric course on distal radius fracture fixation and wrist arthroscopy
- 2009 AO North America Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction Course
- 2010 Mayo Clinic- Chung Gung Reconstructive Symposium
- 2010 ASMS Basic Course
- 2011 Laser Safety/ Biophysics of Laser Applications Course
- 2011 Certified in use of Microaire endoscopic carpal tunnel release (ECTR) system
- 2012 AO North America Hand and Wrist Fracture Management Workshop
- 2013 Mayo Microsurgery Surgery Training Center- Microsurgery course

Presentations (National and Regional):

H Chim, E Yohannes, R Miller, D Reed, M Chance, B Guyuron

*Electron microscopy and proteomics confirm structural changes in nerves affected by migraine headaches but not control nerves

Ohio Valley Society of Plastic Surgeons Annual Meeting 2013, Indianapolis, IN
Winner of best clinical paper award

MT Liu, **H Chim**, B Guyuron, DW Stepnick

Functional endoscopic sinus surgery is effective in the relief of migraine headaches
Ohio Valley Society of Plastic Surgeons Annual Meeting 2013, Indianapolis, IN

H Chim, E Miller, C Gliniak, E Alsberg

*Stromal cell derived factor (SDF)-1 with BMP-2 and TGF-B1 induces site directed cell homing, osteogenic and chondrogenic differentiation without the requirement for cell seeding

Plastic Surgery Research Council 2013, Santa Monica, CA

MT Liu, **H Chim**, B Guyuron, DW Stepnick

Functional endoscopic sinus surgery is effective in the relief of migraine headaches

CURRICULUM VITAE

American Association of Plastic Surgeons Meeting 2013, New Orleans, LA

H Chim, SL Moran

*Long Term Outcomes of Proximal Row Carpectomy- A Systematic Review
American Association of Hand Surgeons (AAHS) Annual Meeting 2013, Naples, FL
Winner of Resident Award

H Chim, MT Liu, B Guyuron, DW Stepnick

*Functional endoscopic sinus surgery is effective in the relief of migraine headaches
Plastic Surgery Senior Residents Meeting 2012, Chicago, IL

H Chim, MS Brown, B Alleyne, MT Liu, S Zwiebel, B Guyuron

The auriculotemporal nerve in migraine headaches: compression points and anatomical variations

Ohio Valley Society of Plastic Surgeons Annual Meeting 2012, Cleveland, OH

Winner of best clinical poster award

Harvey W.M. Chim

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MT Liu, **H Chim**, B Guyuron

*Outcome comparison of endoscopic and transpalpebral decompression for treatment of frontal migraine headaches

Ohio Valley Society of Plastic Surgeons Annual Meeting 2012, Cleveland, OH

MT Liu, **H Chim**, Guyuron B.

*Outcome comparison of endoscopic and transpalpebral decompression for treatment of frontal migraine headaches

American Society of Plastic Surgery Meeting 2012, New Orleans LA

H Chim, E Miller, C Gliniak, AK Gosain

*Propranolol inhibits hemangioma growth through downregulation of angiogenesis and direct cytotoxicity.

American Cleft Palate and Craniofacial Association Meeting 2011, San Juan, PR

Finalist, Paul Black Junior Investigator Award

H Chim, E Miller, C Gliniak, AK Gosain

Putative mechanism of action of propranolol on regression of infantile hemangiomas

American Association of Plastic Surgeons Meeting 2011, Boca Raton, FL

Finalist, Resident poster award

H Chim, E Miller, C Gliniak, AK Gosain

*Propranolol causes cytotoxicity in hemangioma cells through downregulation of VEGF-related proteins and decreased PI3/ Akt phosphorylation

Plastic Surgery Research Council 2011, Louisville, KY

Winner of Clifford C. Snyder award for best paper presented by a plastic surgery resident

CURRICULUM VITAE

KK Evans, K Patel, C Salgado, S Mardini, **H Chim**. Survey on ventral hernias: surgeon indications and patient outcomes.

American College of Surgeons 2011 Clinical Congress

H Chim, BS Armijo, E Miller, C Gliniak, MA Serret, AK Gosain

*Propranolol causes regression of infantile hemangiomas through the HIF-1a-VEGF-A axis
Combined meeting of Ohio Valley Society of Plastic Surgeons and Robert Ivy Society

H Chim, JK Sontich, BR Kaufman

Free tissue transfer in combination with distraction osteogenesis allows salvage of composite osteocutaneous defects in the massively traumatized lower extremity.

Annual Meeting of the American Society of Reconstructive Microsurgery, Boca Raton, FL

H Chim, JK Sontich, BR Kaufman

*Distraction osteogenesis with free tissue transfer allows salvage of the infected, traumatised lower extremity

Ohio Valley Society of Plastic Surgeons Annual Meeting 2010, Cleveland, OH

H Chim, JA Kim

*Significance of atypical or multiple sentinel lymph node drainage basins in patients with melanoma

Annual Meeting of the Ohio Chapter of the American College of Surgeons

Holzer Clinic Award for 2nd place on oncology category, Resident research forum

H Chim, JT Schantz

*Vascular patterning of PCL scaffolds allows angiogenesis and microvascular transfer

Ohio Valley Society of Plastic Surgeons Annual Meeting 2009, Indianapolis, IN

H Chim, JT Schantz

*Micropatterned biomimetic channels in a polycaprolactone scaffold result in inductive neovascularization for tissue engineering

Plastic Surgery Research Council 2009, Pittsburgh, PA

H Chim, JT Schantz, M Whiteman, AK Gosain

*Cell guidance: A new concept for tissue engineering using SDF-1 to induce site directed homing of mesenchymal stem cells

3rd Academic Surgical Congress (Combined Association for Academic Surgery and Society of University Surgeons Meeting)

JS Arneja, **H Chim**, B Drolet, AK Gosain

The "Cyrano Nose": Refinements in surgical technique and treatment approach to hemangiomas of the nasal tip

17th Congress of the International Society for the Study of Vascular Anomalies (ISSVA)

CURRICULUM VITAE

H Chim, JT Schantz, AK Gosain

*Cell Guidance In Tissue Engineering: A New Paradigm For A New Age
Plastic Surgery Research Council 2008, Springfield, IL

H Chim, AK Gosain

*SDF-1 induces site-directed homing of mesenchymal stem cells for tissue engineering without a requirement for cell seeding
Ohio Valley Society of Plastic Surgeons Annual Meeting 2008, Cleveland, OH

H Chim, Yew WS, C Song

*Managing Burn Victims of Suicide Bombing Attacks: Outcomes, Lessons Learned and Changes Made from Three Attacks in Indonesia
14th International Congress of the International Confederation for Plastic, Reconstructive and Aesthetic Surgery

H Chim, Tan BH, C Song

A Tropical Climate Predisposes to Acquisition of Acinetobacter Baumannii: 5 Year Experience of Infections in a Burn Intensive Care Unit
14th International Congress of the International Confederation for Plastic, Reconstructive and Aesthetic Surgery

H Chim, Amitabha L, Chew WYC

An Unusually Large Wrist Glomus Tumour
10th Triennial Congress of the International Federation of Societies for Surgery of the Hand (IFSSH)

H Chim, Teoh LC, Yong FC

*Open Reduction and Interfragmentary Screw Fixation for Symptomatic Nonunion of Distal Phalanx Fractures
16th Hand Review Course/ Annual Meeting of the Singapore Hand Surgery Society, Singapore

H Chim, Hutmacher DW, Schantz JT

*Optimising Scaffolds for Bone Tissue Engineering: Different Architectures and Material Modifications are appropriate for non-load bearing and load bearing applications
Singapore General Hospital Annual Scientific Meeting 2007- Shortlisted for Young Investigator Award (Basic Science)

H Chim, KC Tan, MH Tan, BK Tan

*Soft Tissue Muscle Coverage following Limb Salvage with Megaprotheses for Bone Sarcomas around the Knee.
13th ASEAN Plastic Surgery Congress

H Chim, MTC Wong, YC Tan, CL Foo

Froning of the Caudal Helical Cartilage in Anterior Scoring for Otoplasty.
6th Asia-Pacific Craniofacial Association Conference

CURRICULUM VITAE

H Chim, JT Schantz

Human Peripheral Blood Mononuclear Cells for Tissue Engineering Bone
2nd Annual ISSCR (International Society for Stem Cell Research) Meeting

H Chim, JT Schantz

Human Peripheral Blood Mononuclear Cells for Tissue Engineering Bone- Part 1: In Vitro Studies
Strategies in Tissue Engineering (Wurzburg, Germany)

H Chim, JT Schantz

*Human Peripheral Blood Mononuclear Cells for Tissue Engineering Bone- Part 2: In Vivo Studies
Strategies in Tissue Engineering (Wurzburg, Germany)

JT Schantz, **H Chim**

*Human Circulating Peripheral Blood Mononuclear Cells for Cranial Defect Repair
Plastic Surgery Research Council 2004

H Chim, JL Ong, CM Agrawal

*Gas Plasma Treatment Of Three-Dimensional PLA Scaffolds Enhances Osteoblast-Like Cell Function
World Biomaterials Conference 2002

H Chim, JL Ong, DW Hutmacher, T Schantz, CM Agrawal

*Gas plasma surface modification facilitates cell attachment, proliferation and differentiation on three-dimensional poly (D,L-lactide) scaffolds
11th Asean Congress of Plastic Surgery

H Chim, T Schantz, JL Ong, CM Agrawal

Efficacy of gas plasma treatment as a surface modification process for three-dimensional poly (D,L-lactide) scaffolds
5th World Tissue Engineering Conference

H Chim, CM Agrawal, JL Ong, T Schantz, DW Hutmacher

Mechanical and cellular properties of tissue engineered osteochondral constructs fabricated with different scaffold architectures
5th World Tissue Engineering Conference

AJ Salgado, DW Hutmacher, **H Chim**, RL Reis, CM Agrawal, SH Teoh

A comparative study between two different polycaprolactone scaffolds for tissue engineering of bone
International Conference on Materials for Advanced Technologies (ICMAT) 2001

CURRICULUM VITAE

H Chim, DW Hutmacher, T Schantz, KW Ng, SH Teoh

The Evaluation of the proliferation of human osteoblast-like cells on different scaffolds
International Conference on Materials for Advanced Technologies (ICMAT) 2001

H Chim, DW Hutmacher, KW Ng, T Schantz, SH Teoh

*The Evaluation of the proliferation of human osteoblast-like cells on different scaffolds
Undergraduate Research Award, 5th NUH-NUS Faculty of Medicine Annual Scientific Meeting

H Chim, BH Tan, CC Ang, EM Chew, YS Chong, SM Saw.

*A Study of Menopausal Symptoms in Singaporean Women.
4th NUH-NUS Faculty of Medicine Annual Scientific Meeting 2000,
Singapore-Malaysian conference 2000

H Chim, SY Lee, EL Ooi, J Hui, EH Lee.

*Obstetric and Perinatal Risk Factors in Developmental Dysplasia of the Hip.
4th NUH-NUS Faculty of Medicine Annual Scientific Meeting 2000,
Singapore Malaysian conference 2000

24. Teaching Awards Received :N/A

25. Teaching Specialization (courses taught): N/A

26. Thesis and Dissertation Advising/ Post-doctoral student supervision: N/A

27. University Committee and Administrative Responsibilities [with inclusive dates]:N/A

28. Community Activities [with inclusive dates]:N/A