

CURRICULUM VITAE

Name: David Chi, MD PhD
Date: October 1, 2025
Phone:
Email: DChi@brownhealth.org
Mailing Address:
Place of Birth: Pittsburgh, PA
Hometown: Bethlehem, PA
Citizenship: USA

ACADEMIC APPOINTMENT

9/2025 – present **Assistant Professor in Hand Surgery and Plastic Surgery
Brown University, Providence, RI**
• Peripheral Nerve Genomics Laboratory, Principal Investigator

EDUCATION AND TRAINING

7/2024 – 7/2025 **Hand and Microvascular Surgery Fellowship
Mayo Clinic, Rochester, MN**
• Traveling Fellow
 ○ Brachial Plexus – Jayme Bertelli (Florianopolis, Brazil)
 ○ Wrist Arthroscopy – International Wrist Arthroscopy Society
 (Strasbourg, France)
• Fellowship Program Director: Peter C. Rhee / Sanjeev Kakar

6/2018 – 6/2024 **Plastic and Reconstructive Surgery Residency (Integrated)
Washington University in St. Louis, MO**
• Resident Teaching Award – Elected by Plastic Surgery Resident Body
• Microsurgical Training Course – Resident Developer
• Traveling Fellow
 ○ Microsurgery – Kongkrit Chaiyasate (Beaumont Royal Oak, MI)
 ○ Peripheral Nerve – Robert Hagan (Neuropax Clinic, MO)
• In-Service Exam: >90th percentile performance
• Residency Program Director: Alison K. Snyder-Warwick

- 8/2009 – 5/2018 **M.D/Ph.D. in Biological and Biomedical Sciences**
Harvard Medical School/Dana-Farber Cancer Institute, Boston, MA
- Dissertation: “Estrogen signaling in breast tumorigenesis”
 - Thesis Advisor: Myles Brown, MD
- 8/2007 – 5/2009 **B.S. in Biology, Minor in Chemistry, *summa cum laude***
Duke University, Durham, NC
- 6/2005 – 8/2007 **United States Military Academy, West Point, NY**
- Cadet Rank: 1st (Military 3rd, Physical 10th, Academic 2nd)

MILITARY EXPERIENCE

- 7/2025 – present **Major – Medical Corps, United States Army Reserve**
6/2018 – 6/2025 **Captain – Medical Corps, United States Army Reserve**
7/2017 – 5/3018 **First Lieutenant – Medical Corps, United States Army Reserve**
- Commissioned for future service in the U.S. Army Reserve.
- 5/2007 – 6/2007 **Infantry Platoon Leader, U.S. Army, Schofield Barracks, Oahu, HI**
- Cadet Troop Leadership Training – supervised 32 infantrymen and over \$15 million in vehicles of the 25th Infantry Division in preparation for December 2007 deployment.

WORK EXPERIENCE

- 7/2004 – 5/2005 **Red Robin’s Gourmet Burgers and Brews, Bethlehem, PA**
- Trained employees and performed chef duties.

HONORS AND AWARDS

- 2025 1st Place (of 4 fellow-led teams) – 6th Annual Mayo Hand Fracture Fixation “Handemonium” Competition
- Mayo Clinic Fellow Teamwork Award
- International Bone Research Association – Education Grant Award
- 2024 Washington University Resident as Teacher Award – Chosen by the Plastic Surgery Resident Body in Recognition of Excellence in Peer Resident Education
- Washington University James Barrett Brown Resident Research Day – Best Research Presentation: *A Transcriptional Comparison of Proximal and Distal Electrostimulation Following Sciatic Nerve Allograft Repair*

American Association of Plastic Surgeons – Resident Poster Competition
Grand Prize Winner (of 60 residents): *Escalating Surgical Treatment for Left Ventricular Assist Device Infections is Associated with Decreased Expected Mortality: A Clinical Risk Prediction Score*

American Society for Surgery of the Hand – Resident Annual Meeting
Scholarship

Midwest Association of Plastic Surgeons – Best Research Presentation:
The Super-Turbocharged End-To-Side Abductor Digiti Minimi and Anterior Interosseous Double Nerve Transfer is Associated with Improved Ulnar Intrinsic Function

Association of Osteosynthesis (AO) Trauma Hand Education Grant Award

Friend of the Emergency Department Award

2023

American Association of Plastic Surgeons – Annual Resident Award
(given to single resident for overall excellence)

2nd Place (of 43 residents) Microsurgical Anastomosis Competition – 10th
Annual Oncologic Reconstruction Course (Jackson, MS)

American Society for Surgery of the Hand – Resident Annual Meeting
Scholarship

Washington University James Barrett Brown Resident Research Day –
Best Research Presentation: *Peripheral Nerve Injury after Deoxycholic Acid (Kybella) Injection*

Orthopedic Research Society – Clinician Scholar Career Development
Program

2nd Place – Samuel Wells Jr. Department of Surgery Resident Research
Competition: *Escalating Surgical Treatment for Left Ventricular Assist Device Infections is Associated with Decreased Expected Mortality: A Clinical Risk Prediction Score*

American Association of Hand Surgery – Resident Travel Award

Selected Speaker for the Joint AAHS/ASPN Session at the Annual
Meeting

American Society of Plastic Surgery – Resident Bowl (Washington
University)

2022	Best Case – St. Louis Area Plastic Surgeons Annual Meeting American Association of Hand Surgery – Resident Travel Award Aesthetic Society Education and Research Foundation – Resident Scholar Award American Society of Plastic Surgery – Resident Bowl (Washington University)
2021	Best Case – 8 th Annual Oncologic Reconstruction Course (Nashville, TN) American Society of Plastic Surgery/Plastic Surgery Foundation – Resident Scholar Award American Society of Plastic Surgery – Resident Bowl (Washington University)
2019	Friend of the Emergency Department Award
2014-2018	National Institutes of Health F-30 Ruth L. Kirschstein National Research Service Award
2013	American Association of Cancer Research – Susan G. Komen Scholar-In-Training Award
2012-2014	National Institutes of Health T-32 Ruth L. Kirschstein National Research Service Award
2011	Scholars in Medicine Research Fellowship – Harvard Medical School
2010	David J. Mahoney Surgery Scholar – Massachusetts General Hospital
2009	Phi Beta Kappa – Duke University
2008	Amgen Scholar – MIT/Whitehead Institute
2005-2007	Master of the Sword – West Point Superintendent’s Award for Excellence – West Point Distinguished Cadet Award – West Point

BOARD CERTIFICATION

2024	American Board of Plastic Surgery Written Exam – Pass
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MEDICAL LICENSURE

2025 – present	Massachusetts Medical License – 1024525 Rhode Island Medical License – 20739
2024 – 2025	Minnesota Medical License – 76523
2018 – 2024	Missouri Medical License – 2018019819

SOCIETY MEMBERSHIP

2022 – present	American Society for Surgery of the Hand – Candidate Member
2021 – present	American Association for Hand Surgery – Candidate Member American Society for Peripheral Nerve – Candidate Member
2020 – present	Plastic Surgery Research Council – Resident Member
2018 – present	American Society of Plastic Surgery – Resident Member
2012 – present	American Association for Cancer Research – Associate Member
2010 – present	Christian Medical Dental Association • Washington University – Resident Consultant • Harvard – Student Coordinator

LECTURES / CONFERENCE PANELS

2025	International Wrist Centers – Over The Top TFCC Reconstruction Institut de la Main, Paris, France Grand Rounds – Hand and Wrist Denervation Division of Hand Surgery, Mayo Clinic
2024	ASPS Annual Meeting – Moderator (Reconstructive Abstract Session 5) Barnes-Jewish Hospital Patient Safety and Quality Improvement Forum – Implementing Day of Surgery Cotinine Testing
2023	International Microsurgical Innovations – Take it to the Bank: Temporary Ectopic Implantation of Amputated Arm with Free Omental Flap
2022	Grand Rounds – Peripheral Nerve and Migraine Surgery Division of Plastic and Reconstructive Surgery, Washington University

Plating and Soft Tissue Coverage for Sternal Reconstruction
Division of Plastic and Reconstructive Surgery, Washington University

Medical Student Suturing and Skin Closure Course
Washington University School of Medicine

2021 Grand Rounds – Malignancies of the Upper and Lower Extremity
Division of Plastic and Reconstructive Surgery, Washington University

Pelvic and Abdominal Wall Reconstruction
Division of Plastic and Reconstructive Surgery, Washington University

2020 Skin Grafts and Flaps, Surgical Skills Lab
Department of Surgery, Washington University

Flexor Tendon Injuries
Division of Plastic and Reconstructive Surgery, Washington University

2019 Vascular Anomalies of the Face and Extremities
Division of Plastic and Reconstructive Surgery, Washington University

PUBLICATIONS

Journal Articles – Asterisk (*) indicates co-first author with equal contributions.

Under Review:

Chi D, Spinner RJ, Bishop AT, Pulos N, Shin AY. Surgical Management and Outcomes of Lower Trunk Brachial Plexus Injury Reconstruction.

Chi D, Kakar S. Microfracture and Dorsal Capsulodesis for Scapholunate Advanced Collapse.

Chen AD, Antezana A, **Chi D**, Moran SL. Vascularized Bone Grafts.

Lee K*, Moll E*, Skolnick G, Sletten AC, **Chi D**, Ha AY, Sacks JM. Comparison of Patient Outcomes and Efficiency of Microsurgeries Performed by Single Surgeon Versus Co-Surgeon.

Accepted/Published:

46. Smock CS, **Chi D**, Meiling JB. Diagnostic Neuromuscular Ultrasound of Radial Tunnel Syndrome with the Presence of Distal Pseudoneuroma. *Clinical Neurophysiology*. 2025. PMID: 40602304.

45. **Chi D**, Johnson AR, Biaggi-Ondina A, Felder JM, Tanaka S, Tung TH. Brief Ectopic Banking and Immediate Plate Fixation with Free Omental Flap Addresses Multiple

- Fundamental Problems for Single-Stage Replant of Transhumeral Amputation. *HAND*. 2025. PMID: 39882745.
44. **Chi D**, Ha AY, Keane G, Tawaklna K, Skolnick GB, Snyder-Warwick AK. Primary Free Functional Gracilis Flap Thinning is Safe and Does Not Compromise Functional Outcomes in Dynamic Smile Reconstruction. *Journal of Reconstructive Microsurgery*. 2025. PMID: 40523396.
 43. **Chi D**, Orr J, Johnson AR, Llaneras N, Jacobson L, Peters BR, Patterson JM, Mackinnon SE. The Twin-Charged Double End-To-Side Abductor Digiti Minimi and Anterior Interosseous Nerve Transfer is Associated with Improved Ulnar Intrinsic Function. *HAND*. 2025. PMID: 39563002.
 42. **Chi D***, Skladman R*, Arhewoh RE, Chiang SN, Vuong L, Sachar RJ, Masood MF, Fox IK. Pectoralis Major Flaps for Sternal Reconstruction: Multidisciplinary Considerations and Patient Outcomes. *Annals of Plastic Surgery*. 2025. PMID: 40532228.
 41. **Chi D**, Pinni S, Maloy S, Llaneras N, Hunter D, Wood M, Tenenbaum MM, Mackinnon SE. Peripheral Nerve Injury After Deoxycholic Acid (ATX-101) Injection in an Experimental Rat Model. *Aesthetic Surgery Journal*. 2024. PMID: 39316008.
 40. Finnan M*, **Chi D***, Chiang SN, Vader JM, Cabrera NL, Kells AF, Masood MF, Kotkar KD, Fox IK. Escalating Surgical Treatment for Left Ventricular Assist Device Infections is Associated with Decreased Expected Mortality: A Clinical Risk Prediction Score. *Journal of the American College of Surgeons*. 2024. PMID: 38651731.
 39. Skladman R*, **Chi D***, Skolnick GB, Snyder-Warwick AK. Three Parameters Impact the Perception of Smile Asymmetry in Patients with Facial Paralysis. *JAMA Facial Plastic Surgery*. 2024. PMID: 39527033.
 38. Brown DJ, Van Handel AC, Shim KG, Payne RM, Tandon D, **Chi D**, Evans A, Pet MA. The Impact of Area Deprivation Index, Geography, and Mechanism on Incidence of Ballistic Injury to the Upper Extremity. *Annals of Plastic Surgery*. 2024. PMID: 39293051.
 37. **Chi D**, Tandon D, Payne RM, Van Handel AC, Shim KG, Brown DJ, Evans A, Mackinnon SE, Pet MA. Brachial Gunshot Wounds: Injury Patterns and Considerations for Managing the Abnormal Neurologic Exam. *HAND*. 2024. PMID: 38240335.
 36. Phillips BT, Bejar-Chapa M, Chaya BF, **Chi D**, et al. Spotlight in Plastic Surgery: January 2024. *Plastic and Reconstructive Surgery*. 2024. DOI: 10.1097/PRS.00000000000011064.
 35. **Chi, D**, Raman S, Tawaklna K, Zhu WY, Keane AM, Bruce JG, Parikh RP, Tung TH. Free Functional Muscle Transfer for Lower Extremity Reconstruction. *Journal of Plastic, Reconstructive, and Aesthetic Surgery*. 2023. PMID: 37797377.

34. **Chi D**, Johnson AR, Mackinnon SE. Limited Recovery Following Acellular Nerve Allograft Reconstruction in Major Peripheral Nerve Injuries. *Plastic and Aesthetic Research*. 2023. DOI: 10.20517/2347-9264.2023.89.
33. **Chi D**, Tawaklna K, Anolik R. The Relationship between Obesity and Patient Satisfaction after Autologous Breast Reconstruction Remains Unclear. *Journal of the American College of Surgeons*. 2023. PMID: 37162042.
32. **Chi D**, Peterson EC, Marsh E, Wood MD, Mackinnon SE. Therapeutic Strategies for FK506 and Electrostimulation for the Enhancement of Peripheral Nerve Regeneration. *Plastic and Aesthetic Research*. 2023. DOI: 10.20517/2347-9264.2023.48.
31. **Chi D**, Chen AD, Lin SJ. Evaluating the Impact of ACGME Resident Duty Hour Restrictions on Patient Outcomes for Bilateral Breast Reductions: Reply to Comment. *Plastic and Reconstructive Surgery Global Open*. 2023. DOI: 10.1097/GOX.0000000000005258
30. Tawaklna K, **Chi D**, Bruce JG, Ha AY, Anolik R. Lower Extremity Lymphedema and Vascularized Lymph Node Transfer Recipient Sites. *Plastic and Aesthetic Research*. 2023. DOI: 10.20517/2347-9264.2023.40.
29. Van Handel AC, Shim KG, Brown DJ, Payne RM, Tandon D, **Chi D**, Evans A, Pet MA. Mechanism Matters: A 10-year Experience of Ballistic Injuries of the Upper Extremity. *Injury*. 2023. PMID: 37150723.
28. Stoehr JR, Vaca EE, Bacos JT, Applebaum SA, Lopez J, Chu Y, Gosain AK, **ASPS Resident Council Study Group**. Changes in subspecialty interest of plastic surgery residents with progression of training: impact on academic attrition. *Journal of Craniofacial Surgery*. 2023. PMID: 36872511.
27. **Chi D**, Ha AY, Alotaibi F, Pripotnev S, Patterson B, Fongsri W, Gouda M, Kahn LC, Mackinnon SE. A Surgical Framework for the Management of Incomplete Axillary Nerve Injuries. *Journal of Reconstructive Microsurgery*. 2023. PMID: 36746195.
26. **Chi D**, Chen AD, Wu WW, Chattha A, Lee BT, Lin SJ. Evaluating the Impact of ACGME Resident Duty-Hour Restrictions on Outcomes for Bilateral Breast Reductions. *Plastic and Reconstructive Surgery Global Open*. 2023. PMID: 36761011.
25. Keane AM, Keane GC, Skolnick GB, **Chi D**, Ebersole TD, Myckatyn TM, Tenenbaum MM. Immediate post-mastectomy implant-based reconstruction: an outpatient procedure? *Plastic and Reconstructive Surgery*. 2023. PMID: 36728530.
24. Brown DJ, Payne RM, Van Handel AC, Shim KG, Tandon D, **Chi D**, Evans AG, Pet MA. Antibiotic Prophylaxis and Infectious Complications in Isolated Gunshot Wounds to the Upper Extremity. *HAND*. 2023. PMID: 36734277.

23. **Chi D**, Yesantharao P, Vuong L, Sachar RJ, Chiang SN, Raman S, Ha AY, Parikh RP, Masood MF, Fox IK. Combined Pectoralis and Rectus Abdominis Flaps Are Associated with Improved Outcomes in Sternal Reconstruction. *Surgery*. 2022. PMID: 36243571.
22. Chiang SN*, **Chi D***, Yesantharao P, Ha AY, Vuong L, Sachar RJ, Arhewoh R, Parikh RP, Masood MF, Fox IK. Optimal Timing of Multidisciplinary Management of Sternal Wound Complications. *Annals of Thoracic Surgery*. 2022. PMID: 39790499.
21. **Chi D**, Gibson E, Chiang SN, Lee K, Naidoo SD, Lee A, Birgfeld C, Pollack IF, Goldstein J, Golinko M, Bonfield CM, Siddiqi FA, Kestle JRW, Smyth MD, Patel KB. A Multi-Institutional Survey on Calvarial Vault Remodeling Techniques for Sagittal Synostosis and Outcomes Analysis for Patients Treated at 12-Months and Older. *Journal of Neurosurgery: Pediatrics*. 2022. PMID: 35986730.
20. Peters B, Pripotnev S, **Chi D**, Mackinnon SE. Complete Foot Drop with Normal Electrodiagnostic Studies: Ischemic Conduction Block of the Common Peroneal Nerve. *Annals of Plastic Surgery*. 2021. PMID: 34864748.
19. Li C, Nie F, Liu X, Chen M, **Chi D**, Li S, Pipinos I, Li X. Antioxidative and Angiogenic Hyaluronic Acid-Based Hydrogel for the Treatment of Peripheral Artery Disease. *ACS Applied Materials and Interfaces*. 2021. PMID: 34519480.
18. **Chi D**, Chen AD, Bucknor A, Seyidova N, Bletsis P, Chattha A, Egeler S, Del Valle D, Lin SJ. Hospital Volume is Associated with Cost and Outcomes Variation in 2,942 Pelvic Reconstructions. *Journal of Plastic, Reconstructive, and Aesthetic Surgery*. 2021. PMID: 33888434.
17. Crowe CS*, Lopez J*, Morrison SD*, Drolet BC, Janis JE, **ASPS Resident Council Study Group**. The Effects of the COVID-19 Pandemic on Resident Education and Wellness: A National Survey of Plastic Surgery Residents. *Plastic and Reconstructive Surgery*. 2021. PMID: 34432706.
16. **Chi D**, Ha AY, Keane G, Myckatyn TM. A National Survey to Assess the Population's Perception of Breast Implant-Associated Anaplastic Large Cell Lymphoma and Breast Implant Illness: Discussion. *Plastic and Reconstructive Surgery*. 2021. PMID: 33776026.
15. Applebaum SA, Stoehr JR, Bacos JT, Vaca EE, Lopez J, Chu Y, **ASPS Resident Council Study Group**, Gosain AK. Do dedicated research years during medical school predict academic productivity during residency? A survey-based evaluation of plastic surgery residents. *Plastic and Reconstructive Surgery Global Open*. 2021. PMID: 34815912.
14. Seyidova N, Chen AD, del Valle, D, **Chi D**, Cauley RP, Lee BT, Lin SJ. Nationwide Cost Variation for Lower Extremity Flap Reconstruction. *European Journal of Plastic Surgery*. 2021. DOI: 10.1007/s00238-020-01776-z.

13. **Chi D***, Chen AD*, Ha AY, Yaeger L, Lee BT. Comparative Effectiveness of Transversus Abdominis Plane Blocks in Abdominally Based Autologous Breast Reconstruction: A Systematic Review and Meta-Analysis. *Annals of Plastic Surgery*. 2020. PMID: 32960515.
12. Ha AY, Skolnick G, **Chi D**, Nguyen DC, Naidoo SD, Smyth MD, Patel KB. School-Age Anthropometric Outcomes After Endoscopic or Open Repair of Metopic Synostosis. *Pediatrics*. 2020. PMID: 32784224.
11. Keane G*, **Chi D***, Ha AY, Myckatyn TM. En Bloc Capsulectomy for Breast Implant Illness: A Social Media Phenomenon? *Aesthetic Surgery Journal*. 2020. PMID: 32940709.
10. **Chi D**, Chen AD, Dorante MI, Lee BT, Sacks JM. Plastic Surgery in the Time of Novel Coronavirus COVID-19. *Journal of Reconstructive Microsurgery*. 2020. PMID: 32693423.
9. Phillips BT, **Chi D**, Hespe GE, et al. Spotlight in Plastic Surgery: January 2020. *Plastic and Reconstructive Surgery*. 2020. DOI: 10.1097/PRS.0000000000006408
8. **Chi D***, Singhal H*, Li L, et al. Estrogen receptor signaling is reprogrammed during breast tumorigenesis. *Proceedings of the National Academy of Sciences*. 2019. PMID: 31110002.
7. Xiao T, Li W, Wang X, Xu H, Yang J, Wu Q, Huang Y, Geradts J, Jiang P, Fei T, **Chi D**, et al. Estrogen-regulated feedback loop limits the efficacy of estrogen receptor-targeted breast cancer therapy. *Proceedings of the National Academy of Sciences*. 2018. PMID: 29987050.
6. **Chi D***, Curiel D*, Bucknor A, Peymani A, Chattha A, Chen AD, Bletsis P, Kamali P, Lin SJ. Institutional Diversity in Plastic Surgery Research: A Solution to Resource Limitations. *Plastic and Reconstructive Surgery Global Open*. 2018. PMID: 30276051.
5. Chen AD, **Chi D**, Wu WW, Egeler SA, Chattha AC, Bucknor A, Lee BT, Lin SJ. The Influence of Connective Tissue Disease in Breast Reconstruction: A National Database Analysis. *Annals of Plastic Surgery*. 2018. PMID: 29596085.
4. Chattha A, Bucknor A, **Chi D**, Ultee K, Chen AD, Lin SJ. Predictors of Hospital Costs in the Self-Pay Facelift (Rhytidectomy) Patient: Analysis of 1,890 Patients. *Aesthetic Plastic Surgery*. 2017. PMID: 29101441.
3. Dreijerink K, Groner A, Vos E, Font-Tello A, **Chi D**, et al. Enhancer-mediated oncogenic function of the menin tumor suppressor in breast cancer. *Cell Reports*. 2017. PMID: 28273452.
2. Johnson SF, Cruz C, Greifengberg AK, Dust S, Stover DG, **Chi D** et al. CDK12 Inhibition Reverses Primary and Acquired PARP Inhibitor Resistance in Triple-Negative Breast Cancer. *Cell Reports*. 2016. PMID: 27880910.

1. Buchwalter G, Hickey MM, Cromer A, Selfors LM, Gunawardane RN, Frishman J, Jeselsohn R, Lim E, **Chi D**, et al. PDEF promotes luminal differentiation and acts as a survival factor for ER-positive breast cancer cells. *Cancer Cell*. 2013. PMID: 23764000.

TEXTBOOKS

5. **Chi D**, Bechtold L, Pet MA. Medial Femoral Condyle Flap. *Atlas of Reconstructive Microsurgery – Accepted*.
4. **Chi D**, Sacks JM. Recipient Vessel Exposure – Internal Thoracic Artery. *Atlas of Reconstructive Microsurgery – Accepted*.
3. Timmins B, **Chi D**, Pet MA. Regenerative Peripheral Nerve Interface. *Atlas of Reconstructive Microsurgery – Accepted*.
2. Pinni S, **Chi D**, Sacks JM. Recipient Vessel Exposure – Superficial Temporal Artery. *Atlas of Reconstructive Microsurgery – Accepted*.
1. **Chi D**, Sacks JM. Current Options for Nipple Reconstruction. *Neligan Plastic Surgery 5th Edition*.

BOOKS

1. Dayan E, **Chi D**, Molina B, Austen WG. Migraines: A Guidebook for Diagnosis and Treatment. 2018. Plastic and Reconstructive Surgery Network.

PRESENTATIONS

32. **Chi D**, Orr J, Johnson AR, Llaneras N, Jacobson L, Peters BR, Patterson JM, Mackinnon SE. The Twin-Charged Double End-To-Side Abductor Digiti Minimi and Anterior Interosseous Nerve Transfer is Associated with Improved Ulnar Intrinsic Function. American Society for Surgery of the Hand (September 2024).
31. **Chi D**, Colchado D, Singh P, Tenenbaum E, Mackinnon SE, Wood MD. Transcriptional Comparison of Proximal and Distal Electrostimulation Following Sciatic Nerve Allograft Repair. **James Barrett Brown Resident Research Day (June 2024). Best Research Presentation Award.**
30. **Chi D**, Urlaub K, Peck V, Ebersole T. Implementing Day of Elective Surgery Cotinine Testing. Barnes-Jewish Hospital 2nd Annual Patient Safety and Quality Improvement Symposium (June 2024). **Best Presentation – Finalist.**
29. **Chi D**, Pinni S, Hunter DA, Wood MD, Mackinnon SE. Peripheral Nerve Injury After Deoxycholic Acid (Kybella) Injection. Plastic Surgery Research Council (May 2024).

28. **Chi D**, Jacobson L, Peters BR, Mackinnon SE. Super-Turbocharged End-To-Side ADM and AIN Double Nerve Transfer is Associated with Improved Ulnar Intrinsic Function. **Midwest Association of Plastic Surgeons (May 2024). Best Research Presentation Award.**
27. **Chi D**, Tandon D, Payne RM, Van Handel AC, Shim KG, Brown DJ, Evans A, Mackinnon SE, Pet MA. Brachial Gunshot Wounds: Injury Patterns and Considerations for Managing the Abnormal Neurologic Exam. Plastic Surgery The Meeting (October 2023).
26. **Chi D**, Finnan M, Chiang SN, Vader JM, Cabrera NL, Kells AF, Masood MF, Fox IK. Escalating Surgical Treatment for Left Ventricular Assist Device Infections Decreases Expected Mortality: A Clinical Risk Prediction Score. **Washington University Department of Surgery Samuel Wells Jr. Resident Research Competition – 2nd Place. (April 2023).**
25. **Chi D**, Jacobson L, Mackinnon SE. Abductor Digiti Minimi Turbocharged End-To-Side Nerve Transfer is a Novel Technique to Restore Ulnar Motor Function. Plastic Surgery Research Council (April 2023).
24. **Chi D**, Skladman R, Skolnick G, Snyder-Warwick AK. Perceptual Smile Asymmetry is Impacted by Three Smile Parameters. Plastic Surgery Research Council (April 2023).
23. Lee K, Moll E, Ha AY, **Chi D**, Sletten A, Orr J, Skolnick G, Sacks JM. Comparison Of Patient Outcomes And Efficiency Of Microsurgeries Performed By Single Surgeon Versus Co-surgeons. Plastic Surgery Research Council (April 2023).
22. **Chi D**, Ha AY, Alotaibi F, Pripotnev S, Patterson B, Fongsri W, Gouda M, Mackinnon SE. A Surgical Framework for the Management of Incomplete Axillary Nerve Injuries. **Joint Session – American Association for Hand Surgery/American Society for Peripheral Nerve (January 2023).**
21. Finnan M, **Chi D**, Chiang SN, Olsen MA, Vader JM, Kells AF, Masood MF, Fox IK. Escalating Surgical Intervention Does Not Accelerate Mortality In Patients with Left-Ventricular Assist Device Infection. Plastic Surgery The Meeting (October 2022).
20. **Chi D**, Moritz W, Chiang SN, Finnan M, Skolnick G, Christensen J, Sacks JM. Ready, Set, Department: The Next Step for Plastic Surgery. Plastic Surgery The Meeting (October 2022).
19. **Chi D**, Gibson E, Chiang SN, Lee K, et al. A Multi-Institutional Survey and Outcomes Analysis for Sagittal Craniosynostosis in Patients 12-Months and Older. Midwest Association of Plastic Surgery (May 2022).
18. Keane AM, Keane GC, Skolnick GB, **Chi D**, et al. Immediate post-mastectomy implant-based reconstruction: an outpatient procedure? American Association of Plastic Surgeons (April 2022).

17. **Chi D**, Chiang SN, Yesantharao P, et al. Early Involvement Of Plastic Surgeons In Sternal Reconstruction Is Associated with Improved Patient Outcomes. Plastic Surgery The Meeting (October 2021).
16. **Chi D**, Yesantharao P, Chiang SN, et al. Combined Pectoralis and Rectus Abdominis Flaps Are Associated with Improved Outcomes in Sternal Reconstruction. Plastic Surgery The Meeting (October 2021).
15. Arhewoh R, **Chi D**, Chiang SN, et al. Turnover Pectoralis Major Flaps are Associated with Increased Wound Dehiscence after Sternal Reconstruction for Wound Infections. Plastic Surgery The Meeting (October 2021).
14. Arhewoh R, **Chi D**, Chiang SN, et al. Unilateral Pectoralis Myocutaneous Flaps Do Not Lead to Higher Complication Rates Compared to Bilateral Flaps in Sternal Wound Reconstruction. Plastic Surgery The Meeting (October 2021).
13. **Chi D**, Chen AD, Chattha AC, et al. Hospital Volume Is Associated with Cost and Outcomes Variation in 2,942 Pelvic Reconstructions. Plastic Surgery Research Council (June 2021).
12. **Chi D**, Gibson E, Ha AY, et al. Calvarial Vault Reconstruction for Sagittal Craniosynostosis in Patients 12-Months and Older. American Cleft Palate-Craniofacial Association Annual Meeting (April 2021).
11. Ha AY, **Chi D**, Keane G, et al. Gracilis Muscle Flap Thinning at Time of Primary Transfer is Safe and Does Not Compromise Functional Outcomes. American Society of Reconstructive Microsurgery (January 2021).
10. Chen AD, Seyidova N, **Chi D**, et al. The Impact of Hospital Volume on Gender-Affirming Surgery: A Nationwide Analysis of Outcomes and Resource Utilization. American Society of Reconstructive Microsurgery (January 2021).
9. **Chi D**, Ha AY, Vuong L, et al. Flap Reconstruction for Infectious Complications after Ventricular Assist Device Implantation. Plastic Surgery The Meeting (October 2020).
8. **Chi D**, Yesantharao PS, Vuong L, et al. Sternal Reconstruction Outcomes Following Cardiothoracic Surgery. Plastic Surgery The Meeting (October 2020).
7. Del Valle D, Chen AD, Seyidova N, **Chi D**, et al. Facial Fractures: Does Hospital Volume Affect Outcomes and Cost? Plastic Surgery The Meeting (October 2020).
6. **Chi D**, Chen AD, et al. Systematic Review and Meta-Analysis of Transversus Abdominis Plane Blocks. Plastic Surgery The Meeting (September 2019).
5. **Chi D**, Curiel D, Bucknor A, Peymani A, Chattha A, Chen A, Bletsis P, Lin S. Institutional Diversity in Academic Plastic Surgery: A Collaborative Solution to Resource Limitations. Plastic Surgery The Meeting (October 2017).

4. Dayan E, **Chi D**, Lin S. An affordable alternative to indocyanine green angiography and tissue perfusion assessment. Plastic Surgery The Meeting (October 2017).
3. **Chi D**, Li L, Yeung T, Jeselsohn R, Schnitt S, Garber J, Brown M. GRHL2 mediates reprogramming of the estrogen receptor cistrome in breast tumorigenesis. Harvard/MIT Breast Cancer Program Project Grant Annual Meeting (May 2015).
2. **Chi D**, He H, Yeung T, Jeselsohn R, Schnitt S, Garber J, Brown M. Differential ER binding and transcriptional regulation demarcates normal and malignant breast. Harvard/MIT Breast Cancer Program Project Grant Annual Meeting (May 2014).
1. **Chi D**, He H, Yeung T, Jeselsohn R, Schnitt S, Garber J, Richardson A, Lim E, Brown M. Differential estrogen receptor signaling in normal mammary epithelial cells, primary breast cancers and metastases. AACR Annual Meeting – Molecular and Cellular Biology Minisymposium (April 2013).

POSTERS

21. Smock CS, **Chi D**, Bishop AT, Meiling JB. Diagnostic neuromuscular ultrasound of radial tunnel syndrome. Mayo Clinic Sports Medicine for the Clinician Annual Conference Orlando, Florida (March 2025).
20. **Chi D**, Finnan M, Chiang SN, Vader JM, Cabrera NL, Kells AF, Masood MF, Fox IK. Escalating Surgical Treatment for Left Ventricular Assist Device Infections Decreases Expected Mortality: A Clinical Risk Prediction Score. **American Association of Plastic Surgeons (May 2024). Resident Poster Competition Grand Prize Winner.**
19. Van Handel AC, Shim KG, Brown DJ, Payne RM, Tandon D, **Chi D**, et al. Geo-demographics of Ballistic Injuries to the Upper Extremity. American Association for Hand Surgery (January 2023).
18. AM Keane, GC Keane, GB Skolnick, **Chi D**, et al. Immediate post-mastectomy implant-based breast reconstruction: an outpatient procedure? Plastic Surgery Research Council (May 2022).
17. **Chi D**, Tandon D, Payne RM, et al. Nerve Injuries Following Upper Arm Gunshot Wounds. American Society for Peripheral Nerve (January 2022).
16. Brown DJ, Payne RM, Van Handel AC, Shim KG, **Chi D**, et al. Antibiotic Prophylaxis and Infectious Complications in Isolated Upper Extremity Gunshot Wounds. American Association for Hand Surgery (January 2022).
15. Van Handel AC, Shim KG, Brown DJ, Payne RM, Tandon D, **Chi D**, et al. Ballistic Injuries of the Upper Extremity: A 10-year Experience. American Society for Surgery of the Hand (October 2021).

14. **Chi D**, Chen AD, Wu WW, et al. Evaluating the Impact of ACGME Resident Duty-Hour Restrictions on Outcomes for Bilateral Breast Reductions. American Association of Plastic Surgery (May 2021).
13. **Chi D**, Brown DJ, Ha AY, et al. Flap Reconstruction for Infectious Complications After Ventricular Assist Device Implantation. Plastic Surgery Research Council (May 2020).
12. **Chi D**, Chen AD, Bucknor A, et al. Reconstructive Complication Rates Following 79,846 Perineal Resections in the United States. Plastic Surgery Research Council (May 2020).
11. Song P, Bascone C, Chen AD, Peymani A, **Chi D**, et al. Drivers of Increased Hospital Resource Utilization in 15,510 Hand Infection Patients. Plastic Surgery Research Council (May 2020).
10. **Chi D**, Nguyen DC, Skolnick GB, et al. Calvarial Vault Reconstruction for Sagittal Craniosynostosis After 1 Year of Age. 18th Congress of International Society of Craniofacial Surgery (September 2019).
9. **Chi D***, Singhal H*, Long H, Garber J, Brown M. Reprogramming the estrogen signaling network is a potential mechanism for human breast tumorigenesis. American Association of Cancer Research Annual Meeting (April 2017).
8. Singhal H*, **Chi D*** He H, Lim E, Vadhi R, Rao P, Long H, Richardson AL, Garber JE, Brown M. Estrogen signaling in mature luminal and luminal progenitor mammary epithelial cells of BRCA2 carriers and non-carriers. American Association of Cancer Research Annual Meeting (April 2017).
7. **Chi D**, McShane M, Kim G, Jain P. A case report of Sjogren's Syndrome presenting as elderly failure-to-thrive. Society of General Internal Medicine – Annual Meeting (April 2017).
6. **Chi D**, Li L, Yeung T, Jeselsohn R, Schnitt S, Garber J, Brown M. Motif analysis of differential estrogen receptor binding patterns reveals tumorigenic co-factors. Dana-Farber / Harvard Cancer Center – Functional Cancer Epigenetics Annual Symposium (June 2014).
5. Johnson SF, Johnson N, **Chi D**, Primack B, D'Andrea A, Lim E, Shapiro GI. The CDK inhibitor dinaciclib sensitizes triple-negative breast cancer cells to PARP inhibition. American Association of Cancer Research Annual Meeting (April 2013).
4. **Chi D**, He H, Lim E, Yeung T, Schnitt S, Liu XS, Garber J, Richardson A, Brown M. Differences in estrogen receptor signaling in non-malignant primary ER-positive breast epithelial cells and breast cancer. San Antonio Breast Cancer Symposium (December 2012).
3. **Chi D**, Lim E, He H, Garber J, Richardson A, Brown M. Functional studies of primary patient-derived mammary tissue. Joint Symposium of the Dana-Farber/Harvard Cancer Center Programs in Breast and Gynecologic Cancers (June 2012).

2. **Chi D**, Lim E, He H, Garber J, Richardson A, Brown M. Estrogen receptor signaling in primary normal (WT), BRCA1 and BRCA2 mutation-associated, and ER-positive breast cancer mammary cells. American Society of Clinical Oncology Annual Meeting (June 2012).
1. **Chi D**, Lim E, He H, Richardson A, Brown M. Unraveling the epigenetic and estrogen receptor cistromic alterations in breast cancer. HMS Soma Weiss Student Research Day (May 2011).

FUNDING

2024-2025	Investigating Nerve Injuries from Kybella and Precedex Sponsor: Aesthetic Surgery Education and Research Foundation (ASERF) Total Direct Costs: \$8,400 Role: Primary Investigator (Co-PI: Susan Mackinnon/Marissa Tenenbaum)
2022-2023	Mechanisms of Extremity Nerve Injection Injuries Mediated by Deoxycholic Acid, Dexmedetomidine, and Botulinum Toxin Variants Sponsor: Washington University Department of Surgery Total Direct Costs: \$10,725 Role: Primary Investigator (Co-PI: Susan Mackinnon/Matthew Wood)
2014-2018	Estrogen Signaling and Epigenetics in Breast Tumorigenesis Sponsor: National Institutes of Health – National Cancer Institute (NIH) F-30 Ruth L. Kirschstein National Research Service Award Impact Score: 16 Summary Score: 2 nd Percentile Total Direct Costs: \$122,564 Role: Primary Investigator (Co-PI: Myles Brown/Kornelia Polyak)
2010-2012	Curriculum Development for Harvard Medical School Course LN701.0 Medical Mandarin Sponsor: Harvard Medical Language Initiative Total Direct Costs: \$9,450 Role: Primary Investigator (Co-PI: Michael Lin/Qin Shan)

COMMITTEES

2023 – Present	American Society of Plastic Surgery – Military Plastic Surgeons Steering Committee
	American Society of Plastic Surgery – Leadership Development Committee

2021 – Present	American Society of Plastic Surgery – Annual Meeting Educational Program Committee
	American Society of Plastic Surgery – Medical Student Regional Ambassador
2019 – 2023	American Society of Plastic Surgery – Resident Curriculum Development Committee
2020 – 2022	American Council of Academic Plastic Surgeons – Plastic Surgery Boot Camp Joint Committee
2019 – 2022	American Society of Plastic Surgery – Resident Council
	Plastic and Reconstructive Surgery Journal – Resident Advisory Board

EDITORIALS

2019 – Present	Journal of Reconstructive Microsurgery, Reviewer
	Plastic and Reconstructive Surgery, Reviewer
	Plastic and Reconstructive Surgery Global Open, Reviewer
	Cleft Palate Craniofacial Journal, Reviewer
	Microsurgery, Reviewer

MENTORING

2023 – present	Edward Wen, MD – New York University Plastic Surgery Resident (University of Texas Southwestern Medical Student)
2022 – present	Sai Pinni, BS – Washington University Medical Student
	Victor Yu, MD – Hofstra/Northwell Plastic Surgery Resident (Eastern Virginia Medical Student)
	Jason Pham, MD – Eastern Virginia Plastic Surgery Resident (Eastern Virginia Medical Student)
2021 – present	Shreya Raman, MD – University of Illinois Plastic Surgery Resident (Virginia Commonwealth University Medical Student)
2020 – present	Grace Keane, MD – Washington University Plastic Surgery Resident (Washington University Medical Student)

Michael Finnan, MD – University of Washington Plastic Surgery Resident
(Washington University Medical Student)

Ella Gibson, MD – University of California Davis Plastic Surgery
Resident (Washington University Medical Student)

2019 – present Reme Arhewoh, MD – University of Michigan Orthopedic Surgery
Resident (Washington University Medical Student)

Sarah Chiang, MD – University of California Los Angeles Plastic Surgery
Resident (Washington University Medical Student)

2017 – present Abra Shen, MD – University of Washington Plastic Surgery Resident
(Harvard Medical Student)

2016 – present Austin Chen, MD – Mayo Clinic Plastic Surgery Resident
(Harvard Research Fellow)