

Academic Appointments

2023-Present Assistant Professor of Orthopaedic Surgery, University of California, Irvine

Medical Licensure:

California Medical License, 2018

Massachusetts Medical License, 2022

Post-Graduate Training

2022-2023 Fellow, Spine, Harvard, Massachusetts General Hospital / Brigham & Women's Hospital

2017-2022 Resident, Orthopaedic Surgery, University of California, San Francisco

Education

2012-2017 M.D. University of Pennsylvania, Perelman School of Medicine
 Step 1: 256

2008-2012 B.A. University of Southern California, Biological Sciences and East Asian Area Studies

Appointments

2020 Global Health Pathway Clinical Scholar

2018- ClinicalKey Med Ed Senior Editor

2016-2017 Leo Leung Orthopaedic Society (LLOS) Co-Chair

2013-2017 American Association of Medical Colleges (AAMC) OSR co-representative for UPenn

2015-2016 Morgan and Madison McClellan International Research Fellow

2015-2016 Doximity Medical Student Advisor

2012-2013 Co-Chair of the American Medical Association (AMA) Chapter at UPenn

2012-2013 Co-President of the Penn Med Global Health Interest Group (GHIG)

Honors / Awards / Membership in Societies

2023 Society for Minimally Invasive Spine Surgery Young Surgeons Grant (\$1665), Las Vegas, NV

2022 SICOT Oral Presentation Award (\$1000), Kuala Lumpur, Malaysia

2022 Scoliosis Research Society (SRS) North American Meeting Scholarship (\$2500), Stockholm, Sweden

2022 WOF Nitin N. Bhatia, MD Donor Resident Award (\$1000), Hawaii, USA

2022 ClinicalKey Global Challenge 2022 Expert Faculty (\$10,000), London, UK

2021 Cervical Spine Research Society (CSRS) Resident & Fellow Annual Meeting Scholarship (\$2000), Atlanta, GA

2021 Resident Research Travel Grant (\$600), San Francisco, CA

2021 James O. Johnston Resident Research Award (\$5000), San Francisco, CA

2021 NASS Value Abstract Award (\$500), Boston, MA

2020 James O. Johnston Resident Research Award (\$5000), San Francisco, CA

2019 OREF California Regional Resident Research Award, Clinical Science, Third Place (\$500), San Francisco, CA

2019 ClinicalKey Global Challenge 2019 Expert Faculty (\$10,000), London, UK

2018 James O. Johnston Resident Research Award (\$5000), San Francisco, CA

2017 Botswana Global Health Medicine Elective (\$1700), Gaborone, Botswana

2017 Wilderness and Disaster Medicine Education, Philadelphia, PA

2017 Max Kade Fellowship (\$2000), Vienna, Austria

2016 GAPSA Fall 2016 Professional Student Travel Grant (\$400), Philadelphia, PA

2016 President Gutmann Leadership Award (\$2000), Philadelphia, PA

2016 GAPSA Spring 2016 Professional Student Travel Grant (\$630), Philadelphia, PA

2016 Haile T. Debas Academy of Medical Educators Innovations Funding for Education (\$30,000), San Francisco, CA

2016 GAPSA Career Development Funding (\$200), Philadelphia, PA

2016 Gunner Goggles, Wharton Innovation Fund, Third Round (\$5000), Philadelphia, PA

2015 Gunner Goggles, Wharton Innovation Fund, Second Round (\$1500), Philadelphia, PA

2015 GAPSA Summer 2015 Professional Student Travel Grant (\$475), Philadelphia, PA

2015 Honors Shelf Review Series, Wharton Innovation Fund, First Round (\$2000), Philadelphia, PA

2015 Morgan and Madison McClellan International Research Fellowship (\$21,000), San Francisco, CA

- *Fieldwork in Blantyre, Malawi and Dar es Salaam, Tanzania*

2015 Petrus Camper Award (\$1200), Groningen, Netherlands

- 2015 EOA/EOEF Resident/Fellow Travel Grant Award (\$1000), Eastern Orthopaedic Association, Maui, HI
- 2014 McKinsey & Company Healthcare Insight Participant, Philadelphia, PA
- 2013 Top 10 National AMA Recruiter for the Medical Student Section Outreach Program, Philadelphia, PA
- 2013 Bridging the Gaps: Community Health Internship Program (\$3000), Philadelphia, PA
- 2012 Formosa Foundation Ambassador, Washington, DC
- *Competitive political internship to promote US-Taiwan relations*
- 2012 International Emory Global Health Case Competition, Honorable Mention (\$1200), Team Captain, Atlanta, GA
- 2012 USC Global Health Case Competition, 1st Place, Team Captain, Los Angeles, CA
- 2012 Summa Cum Laude, University of Southern California, Los Angeles, CA
- 2011 Phi Beta Kappa, University of Southern California, Los Angeles, CA
- 2011 Global East Asia Korea Scholarship, University of Southern California (\$20,000), Los Angeles, CA
- *Highly competitive award to study Korean History in Seoul, Korea*
- 2011 USC Provost Summer Undergraduate Research Fellowship (\$3000), Los Angeles, CA
- 2011 USC Provost Spring Undergraduate Research Fellowship (\$1000), Los Angeles, CA
- 2011 USC Provost Fall Undergraduate Research Fellowship (\$1000), Los Angeles, CA
- 2010 Global East Asia Japan Scholarship, University of Southern California (\$20,000)
- *Highly competitive award to study Japanese Politics in Tokyo, Japan*
- 2008 Trustee Scholar, University of Southern California, Los Angeles, CA
- *Highly competitive 4-year full tuition scholarship*
- 2008 NewTV Positive Community Impact Award for TV Commercial, Newton, MA

Teaching/Leadership Experience

- 2015- Gunner Goggles, Philadelphia, PA
- *Founder; Awarded \$8500 by Wharton Innovation Fund to bring augmented reality to medical education*
 - *Awarded 7 book contracts by Elsevier for a National Board of Medical Examiners (NBME) Clinical Science Subject Examinations textbook series.*
- 2016 Doctoring IA Course, Perelman School of Medicine, Philadelphia, PA
- *Selected as a Senior Student Facilitator*
- 2016 Gross Anatomy, Perelman School of Medicine, Philadelphia, PA
- *Selected as a Teaching Assistant for all modules of anatomy*
- 2012-2018 Kaplan, Philadelphia, PA
- *Kaplan Med USMLE Step 1/2CK Instructor/Content TA, MCAT Instructor/Tutor, Pre-Medical Consultant*
 - *100% Bellweather Reviews for Teaching and Tutoring Performance*
- 2012 Global Health Case Competition Team, University of Southern California, Los Angeles, CA
- *Team Captain; 1st Place, 2012 USC Global Health Case Competition*
 - *Honorable Mention, 2012 International Emory Global Health Case Competition*
- 2010-12 Trojan Health Connection, Los Angeles, CA
- *Founder and Editor-in-Chief of USC's First Pre-Health Newspaper with Readership of 2000*
 - *Trojan Health Connection was a 2012 finalist for USC Student Organization of the Year*
- 2010-12 Supplemental Instruction Leader, University of Southern California, Los Angeles, CA
- *Organic Chemistry Instructor for 700+ students*
- 2012 Team Tutors, Los Angeles, CA
- *Latin, math, biology, chemistry, English tutor for grades 9-12*
- 2012 Academic Advantage, Los Angeles, CA
- *Math and English tutor for 9th graders attending public schools*

Textbooks

1. **Wu HH, Wang LL.** *Gunner Goggles Neurology*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323519363. NLM ID 101711763. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101711763>. Page Count: 304.
2. **Wu HH, Wang LL.** *Gunner Goggles Pediatrics*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323510387. NLM ID 101715551. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101715551>. Page Count: 416.
3. **Wu HH, Wang LL, Gao R.** *Gunner Goggles Medicine*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323510356. NLM ID 101714521. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101714521>. Page Count: 632.
4. **Wu HH, Wang LL.** *Gunner Goggles Psychiatry*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323510394. NLM ID 101713888. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101713888>. Page Count: 208.
5. **Wu HH, Wang LL, Gao R.** *Gunner Goggles Surgery*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323510400. NLM ID 101715583. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101715583>. Page Count: 528.

6. **Wu HH**, Wang LL, Gao R. *Gunner Goggles Obstetrics and Gynecology*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323510370. NLM ID 101715560. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101715560>. Page Count: 320.
7. **Wu HH**, Wang LL. *Gunner Goggles Family Medicine*. Philadelphia: Elsevier. October 29, 2018. ISBN 9780323510349. NLM ID 101715391. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101715391>. Page Count: 304.

Publications, Peer-Reviewed

1. Silvestre J, Clemmons JA, **Wu HH**, Caldwell K, Kang JD. Limited number of spine surgeons among recipients of National Institutes of Health grants awarded for degenerative spine disease research. *J Neurosurg Spine*. 2023 Jul 28;1-8. PMID 37548536
2. Carrillo LA, **Wu HH**, Callahan M, Chopra A, Katyal T, Swarup I. Erratum: Rates of readmission and reoperation after operative management of midshaft clavicle fractures in adolescents. *World J Orthop*. 2023 Jun 18;14(6):502-504. PMID 37377989.
3. Siu J, **Wu HH**, Saggi S, Allahabadi S, Katyal T, Diab M. Radiographic and Perioperative Outcomes following Anterior Thoracic Vertebral Body Tethering and Posterior Lumbar Spine Tethering: A Pilot Series. *Spine Deformity*. 2023 Jun 25. PMID 37355490.
4. **Wu HH**, Mody K (co-first author), Mkandawire NC, Young S, Lau BC, Shearer DW, Agarwal-Harding KJ. *The Socioeconomic Consequences of Femoral Shaft Fracture for Patients in Malawi*. *Malawi Medical Journal*. 2023. Accepted. Proof Pending
5. Silvestre J, **Wu HH**, Thompson TL, Kang JD. Utility of Spine Surgery Fellowship Training for Orthopaedic Surgeons in the United States. *J Am Acad Orthop Surg*. 2023 April 1. PMID: 36729747.
6. Siu J, **Wu HH**, Saggi S, Allahabadi S, Katyal T, Diab M. Perioperative Outcomes of Open Anterior Vertebral Spinal Tethering versus Posterior Spinal Fusion for Skeletally Immature Patients with Idiopathic Scoliosis. *JPO*. 2023 Mar 1;43(3):143-150. PMID: 36746139.
7. O'Donnell JM, Gornitzky AL, **Wu HH**, Furie KS, Diab M. Anterior vertebral body tethering for adolescent idiopathic scoliosis associated with less early post-operative pain and shorter recovery compared with fusion. *Spine Deformity*. 2023 Feb 21. PMID: 36809648.
8. Theologis AA, **Wu HH**, Diab M. Thoracic posterior spinal instrumented fusion vs. thoracic anterior spinal tethering for adolescent idiopathic scoliosis with a minimum of 2-year follow-up: a cost comparison of index and revision operations. *Spine Deform*. Epub 2022 Sep 21. PMID: 36131225.
9. Georgiou S, Saggi S, **Wu HH**, Metz LN. Comparison of 90-day Complications and Two-Year Reoperation Rates Between Anterior and Posterior Interbody Fusion for Single-level Degenerative Spondylolisthesis. *NASS J*. 2022 May 21;10:100127. PMID: 35637646
10. **Wu HH**, Brown K, Flores M, Cazzulino A, Swarup I. Diagnosis and Management of Spondylosis and Spondylolisthesis in Pediatric Patients. *JBJS Reviews*. March 2022. 10 (3): e21.00176. PMID: 35611834.
11. **Wu HH**, Carrillo LA, Chopra A, Swarup I. *Rates of Operative Management of Midshaft Clavicle Fractures in Adolescents*. *HSS J*. 2022, Vol. 18(4) 535-540.
12. **Wu HH**, Wright S, Metz L. Pseudoarthrosis after long adult deformity reconstruction. *Seminars in Spine Surgery*. Dec 2021. 33(4). <https://doi.org/10.1016/j.semss.2021.100907>.
13. Allahabadi S, **Wu HH**, Allahabadi S, Woolridge T, Kohn MA, Diab M. Concurrent and Overlapping Surgery: Perspectives from Surgeons on Spinal Posterior Instrumented Fusion for Adolescent Idiopathic Scoliosis. *Journal of Children's Orthopaedics*. 2021. PMID: 34987670
14. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. *Upper Instrumented Vertebra – Femoral Angle and Correlation with Proximal Junctional Kyphosis in Adult Spinal Deformity*. *Spine Deform*. 2021 Sep 3. PMID: 34478128..
15. **Wu HH**, Samuel LT, Silvestre J, Acuna AJ, Nelson CL, Israelite CL, Kamath AF. *The Accuracy of patient-reported weight prior to total joint arthroplasty and arthroscopy of the lower extremity*. *Arch Orthop Trauma Surg*. 2021 July 31. PMID: 34331581.
16. Xi Z, Duan PG, Mummaneni PV, Liu JP, Guinn JMV, Wang MH, Li B, **Wu HH**, Rivera J, Burch S, Berven SH, Chou D. *Posterior Displacement of L1 May be a Risk Factor for Proximal Junctional Kyphosis After Adult Spinal Deformity Correction*. *Global Spine Journal*. 2021 May 17. PMID: 33998302.
17. Carrillo LA, **Wu HH**, Chopra A, Callahan M, Katyal T, Swarup I. Rates of readmission and reoperation after operative management of midshaft clavicle fractures in adolescents. *World J Orthop*. 2021 Dec 18;12(12):1001-1007. PMID: 35036342
18. Von Kaeppler EP, Donnelley C, Ali SH, Roberts HJ, Ibrahim JM, **Wu HH**, Eliezer EN, Porco TC, Haonga BT, Morshed S, Shearer DW. *Study Protocol for a Pilot Masked Randomized Controlled Trial Evaluating Locally-applied Gentamicin versus Saline in Open Tibia Fractures (pGO-Tibia) in Dar es Salaam, Tanzania*. *Pilot and Feasibility Studies*. 2021 Feb 10;7(1):47. PMID: 33568230.

19. Chokotho L, Donnelley C, Young S, Lau BC, **Wu HH**, Mkandawire N, Gjertsen JE, Hallan G, Shearer DW. *Cost Utility Analysis of Intramedullary Nailing and Skeletal Traction Treatment for Patients with Femoral Shaft Fractures in Malawi*. Acta Orthopaedica. 2021 Mar 24;1-7. PMID: 33757393.
20. Cummins D, Hindoyan K, **Wu HH**, Theologis A, Callahan M, Tay B, Berven S. *Risk Factors for Reoperation Following L1-2 Level Lumbar Fusions*. Global Spine Journal. 2021 Jan 21. Online ahead of print. PMID: 33472423
21. Chokotho L, **Wu HH**, Shearer D, Lau BC, Mkandawire N, Gjertsen JE, Hallan G, Young S. *Quality of Life and Functional Outcome at One Year in Patients with Femoral Shaft Fractures Treated with Intramedullary Nailing or Skeletal Traction in Malawi: A prospective observational study of 132 skeletal traction and 55 intramedullary nailing patients*. Acta Orthopaedica. 2020 Jul 23;1-8. PMID: 32698707.
22. Von Kaeppler EP, Kramer EJ, Donnelley CA, **Wu HH**, Marseille E, Eliezer E, Roberts HJ, Shearer DW, Morshed S. *The Initial Economic Burden of Femur Fractures on Informal Caregivers in Dar es Salaam, Tanzania*. Malawi Medical Journal. 2020. Accepted. Proof Pending.
23. Duan PG, Mummaneni PV, Rivera J, Guinn JMV, Wang MH, Xi Z, Li B, **Wu HH**, Ames C, Burch S, Berven SH, Chou D. *AUG-Lower Hounsfield units of the upper instrumented vertebra are associated with proximal junctional kyphosis in adult spinal deformity surgery with minimum 2-year follow-up*. Journal of Neurosurgery. 2020 August;49(2):E7. PMID 32738804.
24. Agarwalla A, Liu JN, **Wu HH**, Kalbian IL, Garcia GH, Shubin Stein BE. *Return to Work Following Tibial Tubercle Osteotomy for Patellofemoral Osteoarthritis and Pain*. Cartilage. 2020 Apr 22: 1947603520916544. PMID: 32321284. [Epub ahead of print]
25. Oguzie GC, Albright P, Ali SH, Duru NE, Iyidobi EC, Lasebikan OA, Chukwumam DC, **Wu HH**, Ikpeme IA. *Prophylactic surgical drainage is associated with increased infection following intramedullary nailing of diaphyseal long bone fractures: a prospective cohort study in Nigeria*. SICOT J. 2020;6:7. Epub 2020 Feb 18. PMID: 32068534.
26. Patterson JT, **Wu HH**, Chung CC, Bendich I, Barry JJ, Bini SA. *Wearable activity sensors and early pain after total joint arthroplasty*. Arthroplasty Today. 2020 Mar 6;6(1):68–70. doi: 10.1016/j.artd.2019.12.006. PMID: PMC7083735.
27. Liu JN, Garcia GH, Gowd AK, Mahony G, Sinatro A, **Wu HH**, Dines DM, Warren RF, Gulotta LV. *Return to Work after Shoulder Replacement for Glenohumeral Osteoarthritis is Similar when Hemiarthroplasty is compared to Total Shoulder Arthroplasty*. HSS Journal. 2020 Oct;16(3):212-217. <https://doi.org/10.1007/s11420-019-09692-0>. PMID: 33088235
28. Chokotho L, Lau BC, Conway DJ, **Wu HH**, Shearer DW, Hallan G, Gjertsen JE, Mkandawire N, Young S. *Validation of Chichewa Short Musculoskeletal Function Assessment SMFA (SMFA) Questionnaire: A cross-sectional study*. Malawi Medical Journal. 2019 Mar; 31(1): 65-70. PMID: 31143399
29. **Wu HH**, Liu MB, Challa ST, Morshed S, Eliezer EN, Haonga BT, Zirkle L, Shearer DW. *Development of the “squat and smile” test as a proxy for fracture healing in patients with femoral shaft fractures in Dar es Salaam, Tanzania*. J Bone Joint Surg Am. 2019 Feb 20;10(4):353-359. PMID: 30801374.
30. Ibrahim J, Liu MB, **Wu HH**, Caldwell AM, Coughlin RR, Morshed S, Shearer DW. *The extent of pediatric orthopaedic research in low-and-middle income countries and the impact of academic collaboration on research quality: a scoping review*. Pediatr Surg Int. 2019 Mar;35(3):397-411. PMID: 30413920.
31. **Wu HH**, Ibrahim J, Conway D, Liu MB, Morshed S, Miclau T, Coughlin RR, Shearer DW. *Clinical Research Course for International Orthopaedic Surgeons: 2-Year Outcomes*. J Orthop Trauma. 2018 Oct;32 Suppl 7:S35-S37. PMID: 30247398.
32. Lau BC, **Wu HH**, Mustafa M, Ibrahim J, Conway D, Agarwal-Harding K, Shearer DW, Chokotho L. *Developing Research to Change Policy: Design of a multicenter Cost-Effectiveness Analysis Comparing Intramedullary Nailing to Skeletal Traction in Malawi*. J Orthop Trauma. 2018 Oct;32 Suppl 7:S52-57. PMID: 30247402.
33. Challa S, **Wu HH**, Cunningham BP, Liu MB, Patel K, Shearer DW, Morshed S, Miclau T. *Orthopaedic Trauma in the Developing World: Where are the Gaps in Research and What Can Be Done?* J Orthop Trauma. 2018 Oct;32 Suppl 7:S43-S46. PMID: 30247400.
34. Challa S, Conway D, **Wu HH**, Bisht R, Sherchan B, Lamichhane A, Shearer DW, Terry M, Gillenwater J. *Can a 2-Day Course Teach Orthopaedic Surgeons Rotational Flap Procedures? An Evaluation of Data From the Nepal SMART Course Over 2 years*. J Orthop Trauma. 2018 Oct;32 Suppl 7:S38-42. PMID: 30247399.
35. **Wu HH**, Liu MB, Dines DM, Kelly JD, Garcia GH. *Depression and Psychiatric Disease Associated with Outcomes after Anterior Cruciate Ligament Reconstruction*. World J Orthop. 2016 Nov 18;7(11):709-717. Review. PMID 27900267.
36. **Wu HH**, Liu M, Patel KR, Turner W, Baltus L, Caldwell AM, Hahn JC, Coughlin RR, Morshed S, Miclau T, Shearer DW. *Impact of Academic Collaboration on Quality of Clinical Orthopaedic Research Conducted in Low- and Middle-income Countries*. SICOT J. 2017;3:6. PMID: 28134090.
37. **Wu HH**, Patel KR, Caldwell AM, Coughlin RR, Hansen SL, Carey JN. *Surgical Management and Reconstruction Training (SMART) Course for International Orthopaedic Surgeons*. Annals of Global Health. 2016. 82(4): 652-658. PMID: 27986236.
38. Mustafa Diab M, Shearer DW, Kahn JG, **Wu HH**, Lau BC, Morshed S, Chokotho L. *The Cost of Intramedullary Nailing Versus Skeletal Traction for Treatment of Femoral Shaft Fractures in Malawi: A Prospective Economic Analysis*. World J Surg. 2018 Aug 9. PMID: 30094638.
39. Garcia GH, **Wu HH**, Park MJ, Tjoumakaris F, Tucker B, Kelly J, Sennett B. *Depression Symptomatology And ACL Reconstruction Incidence And Impact On Functional Outcome, A Prospective Cohort Study*. Am J Sports Med. 2016

Mar;44(3):572-9. PMID: 26628516.

**Selected as featured article for editorial in AJSM - Psyched Down: AJSM 2016 44:569*

40. Mustafa Diab M, **Wu HH**, Eliezer EN, Haonga BT, Morshed S, Shearer DW. *The impact of antegrade intramedullary nailing start site using the SIGN nail in proximal femoral fractures: A prospective cohort study.* Injury. 2017 Nov 18. [Epub ahead of print]. PMID: 29162265.
41. Bernstein DN, **Wu HH**, Jergesen HE. *Protocols for Management of Underserved Patients Undergoing Arthroplasty: A National Survey of Safety Net Hospitals.* Arch Bone Jt Surg. 2018 Jul;6(4):294-300. PMID: 30175177.
42. Jergesen HE, Thielen Z, Roever J, Vashon T, **Wu HH**, Yi P. *Primary Hip and Knee Arthroplasty in a Safety Net Hospital: Substance Abuse and Other Factors Affecting Short-term Complications.* J Arthroplasty. 2018 May 9. Pii. S0883-5403(18)30436-4. PMID: 29853309.
43. Garcia GH, **Wu HH**, Chokotho L. A 41-year-old man with left thigh pain in rural Malawi. Orthopedics Today Grand Rounds. April 2017.
44. Liu JN, **Wu HH**, Garcia GH, Gasik K, Kalbian I, Strickland SM, Shubin-Stein B. *Return to Sports After Tibial Tubercle Osteotomy for Patellofemoral Pain and Osteoarthritis.* Arthroscopy. 2018 April; 34(4): 1022-1029. PMID: 29229415.
45. Garcia GH, Mahony G, Fabricant P, **Wu HH**, Warren R, Craig E, Gulotta L. *Sports and Work Related Outcomes after Shoulder Hemiarthroplasty.* Am J Sports Med. 2015 Dec 9. pii: 0363546515613077. PMID: 26657261.
**Selected as featured article and podcast recorded*
46. Liu JN, Garcia GH, Mahony G, **Wu HH**, Warren R, Craig E, Gulotta L. *Sports after Shoulder Arthroplasty: A Comparative Analysis of Hemiarthroplasty and Reverse Total Shoulder Replacement.* J Shoulder Elbow Surg. 2016 Feb 4. Pii. S1058-2746(15)00617-5. PMID: 26853758.
47. Garcia GH, **Wu HH**, Liu JN, Huffman GR, Kelly J. *The Remplissage Procedure for Engaging Hill-Sachs Lesions: Greater than 5-year average follow up.* Am J Sports Med. 2016 Feb 17. PMID: 26888881.
48. Garcia GH, Liu JN, Mahony G, Sinatro A, **Wu HH**, Craig E, Warren R, Dines D, Gulotta L. *Hemiarthroplasty versus Total Shoulder Arthroplasty For Shoulder Osteoarthritis: A Matched Comparison of Return to Sports.* Am J Sports Med. 2016 June;44(6):1417-1422. PMID: 26960913.
49. Garcia GH, Liu JN, Sinatro A, **Wu HH**, Dines J, Warren R, Dines D, Gulotta LV. *High Satisfaction and Return to Sports after Total Shoulder Arthroplasty: Age 55 and Younger.* Am J Sports Med. 2017 March; Epub ahead of print; PMID: 28319426.
50. Wang LL, **Wu HH**, Bilici N, Tenney-Soeiro R. *Gunner Goggles: Implementing Augmented Reality into Medical Education Studies in Health Technology and Informatics.* Stud Health Technol Inform. 2016;220:446-9. PMID: 27046620.
51. Hurwit DJ, Liu JN, Garcia GH, Mahony G, **Wu HH**, Dines DM, Warren RF, Gulotta LV. *A Comparative Analysis of Work-Related Outcomes after Humeral Hemiarthroplasty and Reverse Total Shoulder Arthroplasty.* J Shoulder Elbow Surg. 2017 Jan 11. [Epub ahead of print]. PMID: 28089256
52. Liu JN, Garcia GH, Wong AC, Sinatro A, **Wu HH**, Dines DM, Warren RF, Gulotta LV. *Return to Work After Anatomic Total Shoulder Arthroplasty for Patients 55 Years and Younger at Average 5-Year Follow-Up.* Orthopedics. 2018 Feb 16: 1-6. [Epub ahead of print]. PMID 29451941.
53. Chokotho L, Mkandawire N, Conway DJ, **Wu HH**, Shearer DW, Hallan G, Gjertsen JE, Young S, Lau BC. *Validation and Reliability of Chichewa Translation of EQ-5D in Adults with Orthopaedic Injuries in Malawi.* Malawi Med J. 2017 Jun;29(2):84-88. PMID: 28955412
54. Haonga BT, Hussein ZZ, Eliezer EN, Liu MB, **Wu HH**. *Short-term Outcomes of Gustilo Grade 3A Open Tibia Diaphyseal Fractures: Intramedullary Nail versus External Fixation.* East African Orthopaedic Journal. March 2018;12(1):9-15.
55. Eliezer EN, Haonga B, Mrita FS, Liu M, **Wu HH**. *Functional Outcome and Quality of Life after Surgical Management of Displaced Acetabular Fractures in Tanzania.* East African Orthopaedic Journal. March 2016;10(1):16-20
56. Haonga BT, Eliezer EN, Makupa JE, Shearer DW, Liu M, **Wu HH**. *SIGN HIP construct: Achieving hip fracture fixation without using an image intensifier.* East African Orthopaedic Journal. March 2016;10(1):7-10.
57. Haonga BT, Liu MB, **Wu HH**, Zehrabanu ZH, Eliezer EN. *Reoperation rates following intramedullary nailing versus external fixation of Gustilo Type 3A open tibia shaft fractures.* East African Orthopaedic Journal. September 2016;10(10):55-58.

Publications in Preparation/Submitted

1. **Wu HH**, Dermarkarian PG, Theologis A, Berven SH. Bundled Care Payment Initiative: Variability in Costs within Spine Surgery.
2. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. Upper Instrumented Vertebral Pelvic Angle and Risk of Proximal Junctional Kyphosis at Two-Year Follow-up
3. Logan A, Wright S, **Wu HH**, Metz LN. Perioperative Risk Stratification in Elective Orthopaedic Spine Surgery: A Systematic Review.
4. Wright S, Logan A, **Wu HH**, Berven SH, Metz LN. Patient Mobilization with Activity Trackers Following Lumbar Fusion and Decompression.

5. Weber J, Logan A, **Wu HH**, Wright S, Metz LN. Muscle Dissection and Proximal Junctional Kyphosis: a study of muscle injury during multilevel spinal fusion surgery.

Abstracts:

Podium Presentations:

1. Ambati V, Shabani S, Chryssikos T, Ben-Natan AR, Huang J, Jamieson A, Macki M, Agarwal N, Guinn J, **Wu HH**, Wang MH, Duang PG, Xi Z, Rivera J, Strivastava P, Burch S, Berven S, Mummaneni P, Chou D, Tan L. Differences in the Rate of Distal Junctional Pathology Between L3 and L4 PSO: Minimum One Year Follow-Up for 117 Patients.
Lumbar Spine Research Society *May 2023*
2. Anand KK, Trevino N, Simister S, Carrillo F, Mandujano J, **Wu HH**, O'Donnell J, Roca H, Esfahani SA, Agarwal-Harding K. Virtual Global Orthopedic Conferences and Addressing the Language Barrier: A Means to Deliver Education, Build Partnerships, and Discuss Differences in Care in Lower-median Income Countries.
Orthopaedic Research Society *February 2023*
3. Cassidy B, Yerasosu T, **Wu HH**, Mbomuwa F, Chidothi P, Martin C, Harrison W, Agarwal-Harding K, Chokotho L. Epidemiology and Factors Associated with Operative Treatment of Pediatric Fractures in Malawi.
SICOT Orthopaedic World Congress *September 2022* *Oral Presentation Award*
4. **Wu HH**, Siu J, Allahabadi S, Flores M, Oeding J, Brown K, O'Donnell J, Baldwin A, Saggi S, Diab M. Return to Sport for Anterior Tethering vs. Posterior Spinal Fusion.
Western Orthopaedic Association *August 2022*
5. **Wu HH**, Siu J, Allahabadi S, Flores M, Oeding J, Brown K, O'Donnell J, Baldwin A, Saggi S, Diab M. Return to Activity After Thoracic Anterior Posterior Lumbar Tethering
Western Orthopaedic Association *August 2022*
6. **Wu HH**, Saggi S, Allahabadi S, Katyal T, Siu J, Diab M. Perioperative Outcomes of Anterior Vertebral Spinal Tethering versus Posterior Spinal Fusion for Skeletally Immature Patients with Idiopathic Scoliosis
American Academy of Orthopaedic Surgeons *March 2022*
7. **Wu HH**, Saggi S, Allahabadi S, Katyal T, Siu J, Diab M. Outcomes of Combined Thoracic Anterior and Lumbar Posterior Tethering versus Posterior Spinal Fusion.
American Academy of Orthopaedic Surgeons *March 2022*
8. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. Overcorrection of the upper instrumented vertebra relative to the center of the femoral heads is associated with proximal junctional kyphosis
North American Spine Society *October 2021*
9. **Wu HH**, Saggi S, Allahabadi S, Katyal T, Siu J, Diab M. Perioperative Outcomes of Anterior Vertebral Spinal Tethering versus Posterior Spinal Fusion for Skeletally Immature Patients with Idiopathic Scoliosis
North American Spine Society *October 2021*
10. **Wu HH**, Saggi S, Allahabadi S, Katyal T, Siu J, Diab M. Combined thoracic anterior and lumbar posterior tethering versus anterior vertebral body tethering: Outcomes in skeletally immature idiopathic scoliosis
North American Spine Society *October 2021*
11. Carrillo LA, **Wu HH**, Chopra A, Callahan M, Swarup I. Rate of Reoperation at Two-Years for Adolescent Midshaft Clavicle Fractures.
Eastern Orthopaedic Association *October 2021*
12. Cummins D, Hindoyan K, **Wu HH**, Theologis A, Callahan M, Tay B, Berven S. Risk Factors for Reoperation Following 1-2 Level Lumbar Fusions.
American Academy of Orthopaedic Surgeons *September 2021*
13. Rivera J, Mummaneni PV, Guinn J, **Wu HH**, Wang MH, Duan PG, Xi Z, Li B, Lee J, Mahmood B, Srivastava P, Guizar R, Tan X, Huang J, Le V, Burch S, Berven S, Chou D. Comparison of sagittal vertical axis correction after L4 versus L3 pedicle subtraction osteotomies
Scoliosis Research Society *September 2021*
14. Georgiou S, Saggi S, **Wu HH**, Metz LN. Comparison of Two-Year Reoperation Rates Between Anterior and Posterior Interbody Fusion for Single-level Degenerative Spondylolisthesis.
SICOT Orthopaedic World Congress *September 2021*
15. Georgiou S, Saggi S, **Wu HH**, Metz LN. Costs and Trends of Anterior and Posterior Interbody Fusion in Patients with Single-level Degenerative Spondylolisthesis.
SICOT Orthopaedic World Congress *September 2021*
16. **Wu HH**, Saggi S, Siu J, Allahabadi S, Katyal T, Diab M. Perioperative Outcomes of Anterior Vertebral Spinal Tethering versus Posterior Spinal Fusion for Skeletally Immature Patients with Idiopathic Scoliosis
Western Orthopaedic Association *August 2021*

17. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. Overcorrection of the upper instrumented vertebra relative to the center of the femoral heads is associated with proximal junctional kyphosis
Western Orthopaedic Association August 2021
18. Allahabadi S, **Wu HH**, Allahabadi S, Woolridge T, Kohn MA, Diab M. Concurrent and Overlapping Surgery: Perspectives from Surgeons on Spinal Posterior Instrumented Fusion for Adolescent Idiopathic Scoliosis.
Western Orthopaedic Association August 2021
19. **Wu HH**, Saggi S, Allahabadi S, Katyal T, Siu J, Diab M. Perioperative Outcomes of Anterior Vertebral Spinal Tethering versus Posterior Spinal Fusion for Skeletally Immature Patients with Idiopathic Scoliosis.
Spine Across the Sea July 2021
20. Logan A, Wright S, **Wu HH**, Metz LN. Perioperative Risk Stratification in Elective Orthopaedic Spine Surgery: A Systematic Review.
Spine Across the Sea July 2021
21. Wright S, Logan A, **Wu HH**, Yonge R, Berven SH, Metz LN. Patient Mobilization with Activity Trackers Following Lumbar Fusion and Decompression.
Spine Across the Sea July 2021
22. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. Overcorrection of the Upper Instrumented Vertebra Relative to the Center of the Femoral Heads is Associated with Proximal Junctional Kyphosis
Inman Abbott Alumni Meeting May 2021
23. Georgiou S, **Wu HH**, Saggi S, Metz LN. Differences in Revision and Complication Rates Between Anterior and Posterior Intervertebral Fusion in Patients with Single-level Degenerative Spondylolisthesis.
LSRS Annual Meeting April 2021
24. Dermarkarian PG, **Wu HH**, Theologis A, Berven SH. Bundled Care Payment Initiative: Variability in Costs within Spine Surgery.
Western Orthopaedic Association August 2020
25. **Wu HH**, Chou D, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Burch S, Mummaneni PV, Berven SH. Upper Instrumented Vertebral Pelvic Angle and Risk of Proximal Junctional Kyphosis at Two-Year Follow-up
Scoliosis Research Society September 2020
26. Duan PG, Mummaneni PV, Guinn JMV, Wang MH, Zhou X, Li B, **Wu HH**, Mayer RR, Rivera J, Burch S, Berven SH, Chou D. Is the distance from the upper instrumented vertebrae to the gravity line associated with proximal junctional kyphosis after spinal deformity correction in adults over 50?
Scoliosis Research Society September 2020
27. Chokotho L, **Wu HH**, Ali SH, Albright P, Shearer D, Lau B, Mkandawire N, Gjertsen JE, Hallan G, Donnelley C, Young S. Quality of Life and Functional Measures Following IMN vs Skeletal Traction for Treatment of Femoral Shaft Fractures: Malawi
Inman Abbott Alumni Meeting May 2020
28. **Wu HH**, Logan A, Metz LN. "Fit Bit Effect" Measuring Post-op Ambulation Following Surgery Improves Recovery Rate
Inman Abbott Alumni Meeting May 2020
29. Chokotho L, **Wu HH**, Conway D, Shearer DW, Lau B, Mkandawire N, Gjertsen JE, Hallan G, Young S. Validation and Reliability of the Chichewa Translation of the EQ-5D Quality of Life Questionnaire in Adults with Orthopaedic Injuries in Malawi.
EuroQol African Academy Meeting February 2020
30. Chokotho L, **Wu HH**, Ali SH, Albright P, Shearer D, Lau B, Mkandawire N, Gjertsen JE, Hallan G, Donnelley C, Young S. SIGN Intramedullary Nailing Improves Early Postoperative Quality of Life and Function as Compared to Skeletal Traction for Management of Femoral Shaft Fractures in Malawi.
OREF Resident Research Symposium October 2019
31. Chokotho L, **Wu HH**, Ali SH, Albright P, Shearer D, Lau B, Mkandawire N, Gjertsen JE, Hallan G, Young S. SIGN Intramedullary Nailing Improves Early Postoperative Quality of Life and Function as Compared to Skeletal Traction for Management of Femoral Shaft Fractures in Malawi.
Orthopaedic Trauma Association September 2019
32. Terry MJ, Challa S, **Wu HH**, Gillenwater J, Coughlin RR, Shearer DW. Assessing the Successful Implementation of the Surgical Management and Reconstructive Training (SMART) Course in Nepal: Competency Test Data from Two Consecutive Years.
Plastic Surgery September 2018
33. Challa S, Conway D, **Wu HH**, Shearer DW, Terry M, Gillenwater J. Assessing the Successful Implementation of the Surgical Management and Reconstructive Training (SMART) Course in Nepal: Competency Test Data from Two Consecutive Years.
Inman Abbott Alumni Meeting May 2018

34. Liu JN, **Wu HH**, Garcia GH, Gasik K, Kalbian I, Strickland SM, Shubin-Stein B. Return to Sports After Tibial Tubercle Osteotomy for Patellofemoral Pain and Osteoarthritis.
Arthroscopy Association of North America May 2017
35. Garcia GH, Liu JN, Sinatro A, **Wu HH**, Dines J, Warren R, Dines D, Gulotta LV. High Satisfaction and Return to Sports after Total Shoulder Arthroplasty: Age 55 and Younger.
American Academy of Orthopaedic Surgeons March 2017
36. **Wu HH**, Cunningham BP, Liu M, Patel KR, Caldwell AM, Shearer DW, Morshed S, Miclau T. Orthopaedic Trauma in the Developing World: Where are the gaps in research and what can be done?
Orthopaedic Trauma Association October 2016
37. **Wu HH**, Mustafa ME, Eliezer EN, Haonga BT, Morshed S, Shearer DW. Starting Point for Trochanteric Intramedullary Femoral Nailing with the SIGN Nail and Impact on Patient Outcomes: A Prospective Observational Study
Orthopaedic Trauma Association October 2016
38. Ishii K, **Wu HH**, Friess D, Jones C, Leighton R, Levine A, Maclean J, Mullis B, Obremsky W, Ostrum R, Saleh A, Schmidt A, Teague D, Tornetta P, Tsismenakis A, Miclau T, Morshed S. Open Reduction Internal Fixation vs. Closed Reduction Internal Fixation in Treatment of Young Adults with Femoral Neck Fractures: A Multicenter Retrospective Cohort Study
Orthopaedic Trauma Association October 2016
39. **Wu HH**, Patel KR, Caldwell AM, Coughlin RR, Hansen S, Carey JN. Surgical Management and Reconstruction Training (SMART) Course for International Orthopaedic Surgeons
Orthopaedic Trauma Association October 2016
40. **Wu HH**, Liu M, Morshed S, Eliezer EN, Haonga BT, Zirkle L, Levy P, Shearer DW. High Intertester Reliability of the 'Squat-and-smile' Test for Objective Evaluation of Functional Outcome in Patients with Femoral Shaft Fractures.
SICOT Orthopaedic World Congress September 2016
41. **Wu HH**, Patel KR, Caldwell AM, Coughlin RR, Hansen S, Levy P, Carey J. Surgical Management and Reconstruction Training (SMART) Course for International Orthopaedic Surgeons.
SICOT Orthopaedic World Congress September 2016
42. **Wu HH**, Patel KR, Caldwell AM, Liu M, Shearer DW, Hahn J, Larouche J, Gosselin R, Levy P, Morshed S. A Clinical Research Course of International Orthopaedic Trauma Surgeons: Two-Year Outcomes.
SICOT Orthopaedic World Congress September 2016
43. Levy P, **Wu HH**, Caldwell AM, Shearer DW. Representation of Low and Middle Income Countries (LMICs) in Orthopaedic Journals: A Comparative Study.
SICOT Orthopaedic World Congress September 2016
44. Garcia GH, **Wu HH**, Liu J, Huffman R, Kelly J. Remplissage Outcomes and Sports Affected: Average Five-Year Follow Up
American Orthopaedic Society for Sports Medicine July 2016
45. Liu M, **Wu HH**, Shearer DW, Haonga BT, Eliezer EN, Morshed S. *Orthopaedics Research in Dar es Salaam, Tanzania.*
Doris Duke National Conference May 2016
46. Garcia GH, Liu JN, Mahony G, Sinatro A, **Wu HH**, Craig E, Warren R, Dines D, Gulotta L. Hemiarthroplasty versus Total Shoulder Arthroplasty For Shoulder Osteoarthritis: A Matched Comparison of Return to Sports
European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) May 2016
47. Garcia GH, **Wu HH**, Liu J, Huffman R, Kelly J. Remplissage Outcomes and Sports Affected: Average Five-Year Follow Up
American Academy of Orthopaedic Surgeons March 2016
48. **Wu HH**, Patel KR, Caldwell AM, Coughlin RR, Hansen S, Carey JN. Surgical Management and Reconstruction Training (SMART) Course for International Orthopaedic Surgeons
Consortium of Universities for Global Health April 2016
49. Garcia GH, **Wu HH**, Liu J, Huffman R, Kelly J. Outcomes of the Remplissage Procedure and its Effects on Return to Sports: Average Five-Year Follow Up
Arthroscopy Association of North America April 2016
50. **Wu HH**, Liu M, Patel KR, Turner W, Baltus L, Caldwell AM, Hahn J, Coughlin RR, Morshed S, Shearer DW. Academic Collaboration on Clinical Research in Low-income and Middle-income Countries: A Scoping Review of Global Orthopaedics
13th Meeting of the Combined Orthopaedic Associations April 2016
51. **Wu HH**, Patel KR, Caldwell AM, Liu M, Shearer DW, Hahn JC, Larouche J, Gosselin RA, Morshed S. A Clinical Research Course for International Orthopaedic Surgeons: Two-Year Outcomes
13th Meeting of the Combined Orthopaedic Associations April 2016
52. **Wu HH**, Patel KR, Caldwell AM, Coughlin RR, Hansen S, Carey JN. Surgical Management and Reconstruction Training (SMART) Course for International Orthopaedic Surgeons
13th Meeting of the Combined Orthopaedic Associations April 2016
53. Garcia GH, **Wu HH**, Park MJ, Tucker B, Tjoumakaris F, Sennett B, Kelly J. Clinical Depression and Anterior Cruciate Ligament Injury: Incidence and Impact on Functional Outcome, a Two-Year Prospective Cohort Study
13th Meeting of the Combined Orthopaedic Associations April 2016

54. Wang LL, **Wu HH**, Bilici N, Tenney-Soeiro R. Gunner Goggles: Implementing Augmented Reality into Medical Education. *NextMed / Medicine Meets Virtual Reality Conference* April 2016
55. **Wu HH**, Patel KR, Caldwell AM, Coughlin RR, Hansen S, Carey JN. Surgical Management and Reconstruction Training (SMART) Course for International Orthopaedic Surgeons *Unite for Sight, Social Impact Pitch* April 2016
56. Liu M, **Wu HH**, Patel KR, Turner W, Baltus L, Caldwell AM, Hahn J, Coughlin RR, Morshed S, Shearer DW. Regional variation in pediatric orthopedic clinical research projects conducted in low-and-middle income countries *13th Meeting of the Combined Orthopaedic Associations* April 2016
57. Garcia GH, **Wu HH**, Liu J, Huffman R, Kelly J. Remplissage Outcomes and Sports Affected: Average Five-Year Follow-Up *13th Meeting of the Combined Orthopaedic Associations* April 2016
58. Garcia GH, Liu JN, Mahony G, Sinatro A, **Wu HH**, Craig E, Warren R, Dines D, Gulotta L. Hemiarthroplasty versus Total Shoulder Arthroplasty For Shoulder Osteoarthritis: A Matched Comparison of Return to Sports *13th Meeting of the Combined Orthopaedic Associations* April 2016
59. Silvestre J, Abbatamatteo JM, Guzman JZ, **Wu HH**, Levin LS. Social Networking: An Emerging Tool for Communication in Orthopedics *13th Meeting of the Combined Orthopaedic Associations* April 2016
60. Garcia GH, **Wu HH**, Park MJ, Tjoumakaris F, Tucker B., Sennett B, Kelly J. Clinical Depression and ACL Reconstruction: Incidence and Impact on Functional Outcome, a Prospective Cohort Study. *Eastern Orthopaedic Association* June 2015 EOA/EOEF Resident/Fellow Travel Grant Award
61. Silvestre, J., **Wu HH**, Abbatamatteo J.M., Guzman J.Z., Levin L.S. Impact of NIH Funding on Research Productivity in Orthopedic Surgery. *Eastern Orthopaedic Association* June 2015
62. Silvestre, J., Abbatamatteo J.M., Guzman J.Z., **Wu HH**., Levin L.S. Nationwide Curriculum Analysis of Orthopedic Surgery Residency: Is Training Standardized? *Eastern Orthopaedic Association* June 2015
63. Garcia GH, **Wu HH**, Park MJ, Tucker B, Tjoumakaris F, Sennett B, Kelly J. Clinical Depression and ACL Reconstruction: Incidence and Impact on Functional Outcome, a Prospective Cohort Study. *American Academy of Neurological and Orthopaedic Surgeons* June 2015

Poster Presentations:

1. Mandujano-Sanchez J, Avila JMJ, Carrillo, **Wu HH**. Correlation between neurological compromise and projectile trajectory in vertebral gunshot injuries: a case series study. *Global Spine Congress* May 2023
2. Segal DN, Xiong G, Crawford A, Lightsey H, Striano B, Goh B, **Wu HH**, Simpson A, Hershman S. Intravenous Tranexamic Acid is Associated with an Increased Incidence of Thromboembolic Events in High-Risk Patients Undergoing Instrumented Multilevel Thoracolumbar Fusions. *AO Spine Fellows Course in Banff* March-April 2023
3. Furie K, **Wu HH**, Diab M. Posterior Spinal Tethering as an Outpatient Surgical Option for the Treatment of Select Cases of Pediatric Scoliosis: A Case Report. *American Medical Association Symposium* November 2022
4. Hanna P, **Wu HH**, Kim S. Posterior Scoliosis Surgery Method that Preserves Motion by Curve Correction and Fusion Within the Major Curve(s) and Vertebral Tethering via a Single Posterior Surgical Approach. *MGB Orthopaedic Research Day* October 2022
5. **Wu HH**, Siu J, Allahabadi S, Flores M, Oeding J, Brown K, O'Donnell J, Baldwin A, Saggi S, Diab M. Return to Activity after Thoracic Anterior Lumbar Posterior Tethering versus Posterior Spinal Fusion. *North American Spine Society* October 2022
6. Theologis A, **Wu HH**, Diab M. Posterior Thoracic Fusion v. Anterior Thoracic Tethering for Idiopathic Scoliosis with a Minimum of 2 Years Follow-Up: A Cost Comparison of Index and Revision Operations and Readmissions. *American Academy of Orthopaedic Surgeons* March 2022
7. **Wu HH**, Saggi S, Allahabadi S, Katyal T, Siu J, Diab M. Outcomes of Combined Thoracic Anterior and Lumbar Posterior Tethering versus Posterior Spinal Fusion. *North American Spine Society* October 2021
8. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. Overcorrection of the upper instrumented vertebra relative to the center of the femoral heads is associated with proximal junctional kyphosis *American Academy of Orthopaedic Surgeons* September 2021
9. Carrillo LA, **Wu HH**, Chopra A, Callahan M, Swarup I. Rate of Reoperation at Two-Years for Adolescent Midshaft Clavicle Fractures. *American Academy of Orthopaedic Surgeons* September 2021

10. **Wu HH**, Saggi S, Georgiou S, Patel W, Diab MM, Bailey JF, Tay B. Navigating Patient Care during the COVID-19 Pandemic: A Review of Digital Health in Spine
SICOT World Congress September 2021
11. **Wu HH**, Saggi S, Allahabadi S, Katal T, Siu J, Diab M. Outcomes of Combined Thoracic Anterior and Lumbar Posterior Tethering versus Posterior Spinal Fusion.
Spine Across the Sea July 2021
12. **Wu HH**, Chou D, Hindoyan K, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Lee A, Burch S, Mummaneni PV, Berven SH. Overcorrection of the upper instrumented vertebra relative to the center of the femoral heads is associated with proximal junctional kyphosis
Spine Across the Sea July 2021
13. **Wu HH**, Carrillo LA, Chopra A, Swarup I. Rates of Operative Management of Midshaft Clavicle Fractures in Adolescents.
American Academy of Pediatrics, Virtual National Conference & Exhibition October 2020
14. **Wu HH**, Chou D, Guinn JMV, Rivera J, Duan PG, Wang MH, Xi Z, Li B, Burch S, Mummaneni PV, Berven SH. Upper Instrumented Vertebral Pelvic Angle and Risk of Proximal Junctional Kyphosis at Two-Year Follow-up
North American Spine Society October 2020
15. Oguzie G, Ali S, Albright P, Ndubuisi D, Chino I, Omolade L, Denning C, **Wu HH**, Ikpeme I. Surgical drains after long bone fractures: A randomized controlled trial.
Western Orthopaedic Association August 2019
16. Chokotho L, **Wu HH**, Ali S, Albright P, Shearer DW, Chokotho L, Lau BC. "Quality of Life and Functional Measures following Intramedullary Nailing Versus Skeletal Traction for Treatment of Femoral Shaft Fractures in Malawi at 6 Weeks and 3 Months Post-operatively: A Prospective Analysis."
Consortium of Universities for Global Health March 2019
17. Ali SH, Albright P, **Wu HH**, Shearer DW, Chokotho L, Lau BC. "Quality of Life and Functional Measures following Intramedullary Nailing Versus Skeletal Traction for Treatment of Femoral Shaft Fractures in Malawi at 6 Weeks and 3 Months Post-operatively: A Prospective Analysis."
COSECSA December 2018
18. Swenson S, Gu A, Wei C, **Wu HH**, Sheth N. The Influence of Gender on 30-Day Complications After Revision Total Hip Arthroplasty.
George Washington Research Days Spring 2018
19. **Wu HH**, Lau BC, Shearer DW, Chokotho L. Preliminary Report: A Prospective, Multicenter Cohort Study to Compare SIGN Nail and Skeletal Traction for Femoral Shaft Fractures in Malawi.
Orthopaedic Trauma Association October 2017
20. Liu JN, **Wu HH**, Garcia GH, Kalbian I, Strickland SM, Shubin-Stein B. Return to Sports After Tibial Tubercle Osteotomy for Patellofemoral Pain and Osteoarthritis.
ISAKOS Biennial Congress June 2017
21. Mustafa M, Shearer DW, Kahn JG, Lau B, **Wu HH**, Chokotho L. Cost-Analysis of Intramedullary (IM) Nailing and Skeletal Traction for Treatment of Femoral Shaft Fractures in Malawi
Consortium of Universities for Global Health April 2017
22. Patel KR, **Wu HH**, Liu M, Coughlin RR, Shearer DW, Lee NH. Orthopedic Upper Extremity Conditions in Developing Countries: A Review of Clinical Research.
Mid-America Orthopaedic Association Annual Meeting April 2017
23. **Wu HH**, Liu M, Morshed S, Eliezer EN, Haonga BT, Zirkle L, Shearer DW. The Association between Squat Depth and Outcomes of Operatively Treated Femoral Shaft Fractures: A Prospective Study in Dar es Salaam, Tanzania.
Orthopaedic Trauma Association October 2016
24. **Wu HH**, Liu M, Morshed S, Haonga BT, Eliezer EN, Levy P, Shearer DW. The Association Between Squat Depth and Outcomes of Operatively Treated Femoral Shaft Fractures: A Prospective Study in Dar Es Salaam.
SICOT Orthopaedic World Congress September 2016
25. **Wu HH**, Liu M, Patel KR, Turner W, Baltus L, Caldwell A, Larouche J, Coughlin RR, Morshed S, Miclau T, Levy P, Shearer DW. Identifying Gaps in Clinical Orthopaedic Research Conducted in Low- and Middle-income Countries: A Scoping Review.
SICOT Orthopaedic World Congress September 2016
26. Garcia GH, Liu JN, Mahony G, Sinatro A, **Wu HH**, Craig E, Warren R, Dines D, Gulotta L. Hemiarthroplasty versus Total Shoulder Arthroplasty For Shoulder Osteoarthritis: A Matched Comparison of Return to Sports
The American Orthopaedic Society for Sports Medicine July 2016
27. Turner WK, **Wu HH**, Liu M, Patel KR, Caldwell AM, Shearer DW, Kim T. Sports Injuries in Low- and Middle-income Countries: A Scoping Review of the Literature.
Western Orthopaedic Association September 2016

28. Bilici N, Wang LL, **Wu HH**, Tsai K, Bernstein D, SHELF Working Group, Tenney-Soeiro R. Quantitative assessment of student preparedness and study resources for the NBME Clinical Shelf Exams.
AAMC GSA-CIM-OSR Professional Development Conference June 2016
29. **Wu HH**, Wang LL, Bilici N, Tsai K, Bernstein D, SHELF Working Group, Tenney-Soeiro R. A National Survey of Most Frequently Used Study Resources for the NBME Obstetrics and Gynecology Shelf Exam.
AAMC Medical Education Conference November 2016
30. Garcia GH, Mahony G, Fabricant P, **Wu HH**, Warren R, Craig E, Gulotta L. Sports and Work Related Outcomes after Shoulder Hemiarthroplasty
European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) May 2016
31. **Wu HH**, Patel KR, Caldwell AM, Liu M, Shearer DW, Hahn JC, Larouche J, Gosselin RA, Morshed S. A Clinical Research Course for International Orthopaedic Surgeons: Two-Year Outcomes
Inman Abbott Alumni Conference May 2016
32. **Wu HH**, Liu M, Patel KR, Turner W, Baltus L, Caldwell AM, Hahn J, Coughlin RR, Morshed S, Shearer DW. Academic Collaboration on Clinical Research in Low-income and Middle-income Countries: A Scoping Review of Global Orthopaedics
Inman Abbott Alumni Conference May 2016
33. Kugelman D, **Wu HH**, Goel R, Tracy M. Surgical Treatment of Lateral Ankle Ligament Instability: A Current Concepts Review
The Commonwealth Medical College (TCMC) Research Symposium April 2016
34. Liu M, Gungordu H, Lee N, **Wu HH**, Shemirani A, Murphy K, Zaman M. The Degradation of Pharmaceutical Oxytocin Samples in Nepal and Vietnam.
Consortium of Universities for Global Health (CUGH) April 2016
35. **Wu HH**, Patel KR, Caldwell AM, Liu M, Shearer DW, Hahn JC, Larouche J, Gosselin RA, Morshed S. A Clinical Research Course for International Orthopaedic Surgeons: Two-Year Outcomes
Unite for Sight: Global Health & Innovation Conference April 2016
36. **Wu HH**, Silvestre J, Levin LS. Geographic Trends in the Orthopaedic Residency Match: Implication of Away Rotations
Learn, Serve, Lead AAMC Annual Meeting November 2015
37. **Wu HH**, Wang LL. Gunner Goggles: Integrating Augmented Reality Technology into Medical Education
Learn, Serve, Lead AAMC Annual Meeting November 2015
38. Basseyn S, Chernova I, **Wu HH**. "I did not feel prepared at all": An evaluation of the transition to clinical rotations in one medical school.
Learn, Serve, Lead AAMC Annual Meeting November 2015
39. Garcia GH, **Wu HH**, Park MJ, Tucker B, Tjoumakaris F, Sennett B, Kelly J. Clinical Depression and ACL Reconstruction: Incidence and Impact on Functional Outcome, a Prospective Cohort Study.
International Cartilage Repair Society May 2015
40. Basseyn S, Chernova I, **Wu HH**. "I did not feel prepared at all": An evaluation of the transition to clinical rotations in one medical school.
Northeast and Southern AAMC GSA/OSR Joint Spring Meeting April 2015
41. Garcia GH, **Wu HH**, Park MJ, Tjoumakaris F, Tucker B, Sennett B, Kelly J. Prevalence of Clinical Depression Among Patients Undergoing ACL reconstruction and Correlation with Functional Scores.
Western Orthopedic Association August 2013
42. Garcia GH, Park MJ, **Wu HH**, Sennett B, Tjoumakaris F, Kelly J. Prevalence of Clinical Depression Among Patients Undergoing ACL reconstruction and Correlation with Functional Scores.
Arthroscopy Association of North America April 2013

Current Projects

1. Hidden Leadership Curriculum: 14 Essential Leadership Skills for Medical Students
2. Bundled Payment for Care Improvement (BPCI) Spine Project
3. Outcomes of Spinal Tethering versus Fusion in Pediatric and Adolescent Patients with Scoliosis
4. Comparison of surgical technique and risk of PJK

Mobile Applications

1. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles Medicine* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-medicine/id1435015060?mt=8&ign-mpt=uo%3D4>
2. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles Family Medicine* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-family-medicine/id1435018615?mt=8&ign-mpt=uo%3D4>

3. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles Surgery* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-surgery/id1435004187?mt=8>
4. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles Neurology* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-neurology/id1415116780?mt=8>
5. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles Psychiatry* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-psychiatry/id1435016921?mt=8>
6. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles OBGYN* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-obgyn/id1435012521?mt=8>
7. **Wu HH**, Wang LL, Barber D, Elsevier Inc. *Gunner Goggles Pediatrics* [Mobile application software]. Apple Store Approved for iOS devices October 29, 2018. <https://itunes.apple.com/us/app/gunner-goggles-pediatrics/id1415109593?mt=8&ign-mpt=uo%3D4>

Book Chapters, News Articles, Podcasts and Magazine Articles

1. **Wu HH**, Kelly M, Neuman B, Protosaltis T, Hershman S. Avoiding Pitfalls in Adult Spinal Deformity. AAOS ICL 73. 2023.
2. **Wu HH**, Wright S, Flores M, Brown K, Javidan Y, Theologis AT. Minimally Invasive Trauma Corpectomy of the Lumbar Spine. *Lumbar Spine Access Surgery: A Comprehensive Guide to Anterior and Lateral Approaches*. Springer. Accepted. 2022.
3. **Wu HH**, Swarup IS, Diab M. Spine Disorders Associated with Connective Tissue Disorders. *Steinmetz: Benzel's Spine Surgery 5th Edition*. Elsevier. Accepted. 2021
4. Wang L, **Wu HH**, Bilici N. Augmented reality for medical textbook education. In American Medical Association, ed. *Turn Med Ed on its Head: American Medical Association Medical Education Innovation Challenge*. Chicago, IL: American Medical Association; 2016: 42.
5. Garcia GH, **Wu HH**, Gulotta L. "Sports and Work After Shoulder Hemiarthroplasty" Orthopedics Today. 2016 Proof Pending
6. Garcia GH, **Wu HH**, Gulotta L. Featured authors for AJSM with recorded podcast on the blog: American Journal of Sports Medicine: Author Spotlight. Feb 2016
7. **Wu HH**, Ohkubo T. *Trojan Health Connection Fall Print Publication*. Vol I Issue 2. November 2011.
8. **Wu HH**, Ohkubo T. *Trojan Health Connection Spring Print Publication*. Vol I Issue 1. April 2011.
9. **Wu HH**. "Breakdancing Puppets: The Merits of Modern Marionette Theatre." *Asia Pacific Arts*. August 2011.
10. **Wu HH**. "USC Students in Vision for Vision Raise Glaucoma Awareness in LA Community." *Trojan Health Connection*. April 2011
11. **Wu HH**. "Rising cost for elderly a problem for Japan's universal health care system." *Trojan Health Connection*. October 2010.

Peer-Review Positions

1. Spine (Reviewer)
2. Global Spine Journal (Reviewer)
3. International Orthopaedics (Reviewer)
4. Annals of Medicine and Surgery (Reviewer)
5. Consortium of Universities for Global Health (Abstract Reviewer)

Research Experience

- 2015-2016 Institute for Global Orthopaedics and Traumatology (IGOT), Orthopaedic Trauma Institute, UCSF SFGH
 • *Morgan and Madison McClellan International Research Fellow*
- 2012-2015 Penn Sports Medicine Center, University of Pennsylvania
 • *Research Assistant for Dr. John Kelly IV; impact of depression on ACL surgical outcomes*
- 2009-2012 Nuzhdin Lab, University of Southern California
 • *Research Assistant for Dr. Sergey Nuzhdin; mating selection in Drosophila melanogaster*

Course Faculty

- 2023 Operation Straight Spine: Kolkata Spine Deformity Workshop, Kolkata, India
- 2022 Spine Trauma in Mexico – Cervical Spine
- 2022 ClinicalKey Global Challenge, London, UK
 • *Invited Judge for the Competition*
- 2022 Ethiopia Research Methods Conference, BSSH-NOTAA-HGOC, Virtual Webinar
- 2021 ClinicalKey Global Challenge, Leadership Series, Virtual Webinar
- 2019 ClinicalKey Global Challenge, London, UK

- 2018 IGOT Research Symposium, San Francisco, CA
 - *Invited Judge for the Competition*
 - *Small Group Leader*
- 2018 Haitian Annual Assembly for Orthopaedic Trauma (HAAOT), Port-au-Prince, Haiti
 - *Group Research Presentation: First Place*
- 2017 IGOT SMART Course, Kathmandu, Nepal
- 2017 IGOT Research Symposium, San Francisco, CA
 - *Group Research Presentation: First Place*
 - *Small Group Leader*
- 2016 IGOT SMART Course, Dar es Salaam, Tanzania
- 2016 IGOT Research Symposium, San Francisco, CA
 - *Group Research Presentation: First Place*
- 2015 IGOT Research Symposium, San Francisco, CA

Invited Presentations

- | | | |
|------|---|------------------------------|
| 2023 | Prevention of Postoperative Trunk Shift in Lenke 1C Curves
<i>Operation Straight Spine: Kolkata Spine Deformity Workshop</i> | <i>Kolkata, India</i> |
| 2023 | Metastatic Spine Tumors: Staying Out of Trouble
<i>Tufts / Newton Wellesley Hospital Grand Rounds</i> | <i>Boston, MA</i> |
| 2022 | Strategies for Conflict Resolution
<i>Elsevier ClinicalKey Global Challenge</i> | <i>London, England</i> |
| 2022 | Personality Types: Compass Activity
<i>Elsevier ClinicalKey Global Challenge</i> | <i>London, England</i> |
| 2022 | Informed Consent Practical
<i>Ethiopian Society for Orthopaedics and Traumatology (ESOT) Research Methods Conference</i> | <i>Global Webinar</i> |
| 2021 | Avoiding Burnout and Strategies for Resiliency
<i>Clinical Key Global Challenge 2021 Finale Pre-Show</i> | <i>Global Webinar</i> |
| 2021 | Emotional Intelligence: The Art of Succeeding in Medical School
<i>Elsevier ClinicalKey Global Challenge, Leadership Webinar</i> | <i>Global Webinar</i> |
| 2021 | Power Analysis and Sample Size
<i>Queen Elizabeth Central Hospital Resident Research Course</i> | <i>Blantyre, Malawi</i> |
| 2021 | Research for Surgical Residents
<i>Queen Elizabeth Central Hospital Resident Research Course</i> | <i>Blantyre, Malawi</i> |
| 2020 | 360-Degree Leadership in Medicine: Lead Now
<i>Elsevier Live</i> | <i>Global Webinar</i> |
| 2019 | 360-Degree Leadership in Medicine
<i>Elsevier ClinicalKey Global Challenge</i> | <i>London, England</i> |
| 2018 | Implementing Your Research: Practical Issues.
<i>Haitian Annual Assembly for Orthopaedic Trauma</i> | <i>Port-au-Prince, Haiti</i> |

Community Service/Volunteer Experience:

- | | |
|-----------|--|
| 2016 | United Community Clinic, <i>Philadelphia, PA</i> |
| 2013 | Community Health Internship Program, College of Physicians of Philadelphia, <i>Philadelphia, PA</i> <ul style="list-style-type: none"> • <i>Worked with adolescents on initiatives to reduce violence in Philadelphia communities</i> |
| 2011 | St. Francis Medical Center Clinical Care Extender, Lynwood, CA |
| 2010-2011 | Cedars-Sinai Medical Center Medical Volunteer, West Hollywood, CA |
| 2010 | Joint Educational Project, Vermont Elementary School, Los Angeles, CA <ul style="list-style-type: none"> • <i>Volunteer 5th grade teacher; taught history of China, Japan, and Korea</i> |

Hobbies and Interests:

1. East Asian Politics
2. Basketball – 2016 Southern Zone Basketball League (Sozobal) in Malawi, Starter for LOX 360; 2015 Penn Med Student-Faculty Basketball Student Coordinator and Captain; Captain of 2013-2015 Penn Med Intramural basketball team, 2nd place in 2014; 2011 USC intramural basketball All-Star; 2009 Mofufus Basketball Tin League All-Star
3. Football – Quarterback of 2012-2014 Penn Med Intramural flag football team, 2nd place both seasons; 2014 Intramural Flag Football All-Star