Bejan Alvandi, MD

FELLOWSHIP

UNIVERSITY OF UTAH - SHOULDER AND ELBOW FELLOWSHIP

Fellow

Salt Lake City, Utah
August 2024 – July 2025

RESIDENCY

MCGAW MEDICAL CENTER OF NORTHWESTERN UNIVERSITY

Orthopaedic Surgery Resident

Chicago, Illinois
June 2019 – June 2024

EDUCATION

KECK SCHOOL OF MEDICINE OF USC

Medical Doctor

Los Angeles, California
August 2015 – May 2019

- *Gold Humanism Honor Society (2018)*

UNIVERSITY OF CALIFORNIA, DAVIS

Bachelor of Science, Major: Biological Sciences

Davis, California
September 2010 – June 2014

- *Graduated with High Honors*

RESEARCH

MANUSCRIPTS

1. Fei-Zhang DJ, Gerlach EB, Chandrasekar S, Plantz MA, Arpey NC, Swiatek PR, Christian DR, **Alvandi BA,** Jones CA, Chen R, Pollack SM, Peabody TD. County-level socioeconomic, race-ethnicity, household, and infrastructure vulnerability associations with bone cancer treatment and prognosis in the US. Ann Epidemiol. 2025 Aug;108:26-33. doi: 10.1016/j.annepidem.2025.05.007. Epub 2025 May 31. PMID: 40456459.

2. Arpey NC, Staub JR, **Alvandi BA**, Gerlach EB, Barrett JE, Peabody MT, Morgan AM, Divi SN, Hsu WK, Patel AA. Does PROMIS Identify Recall Accuracy and Bias in Elective Spine Surgery Patients? Clin Spine Surg. 2025 Apr 17. doi: 10.1097/BSD.0000000000001807. Epub ahead of print. PMID: 40243182.

3. Carney J, Ungerleider S, Tanenbaum J, Marx J, **Alvandi BA**, Saltzman M, Yamaguchi K, Marra G. The efficacy of intra-articular corticosteroid injections for elbow arthritis: a retrospective cohort study. Int Orthop. 2025 Feb 15. doi: 10.1007/s00264-025-06449-9. Epub ahead of print. PMID: 39954053.

4. Diaz-Aguilar LD, Brown NJ, Bui N, **Alvandi BA**, Pennington Z, Gendreau J, Jeswani SP, Pham MH, Santiago-Dieppa DR, Nguyen AD. The use of robot-assisted surgery for the unstable traumatic spine: A retrospective cohort study. N Am Spine Soc J. 2023 Jun 12;15:100234. doi: 10.1016/j.xnsj.2023.100234. PMID: 37564913

5. Reyes SG, Bajaj PM, **Alvandi BA**, Kurapaty SS, Patel AA, Divi SN. Impact of Social Determinants of Health in Spine Surgery. Curr Rev Musculoskelet Med. 2023 Jan;16(1):24-32. doi: 10.1007/s12178-022-09811-1. Published.

6. Gerlach E, Plantz M, **Alvandi BA**, Goedderz C, Curtis D, Zelby A. Patient Reported Outcomes Following Percutaneous Thread Carpal Tunnel Release: A Prospective Multicenter Analysis of 877 Patients. Journal of Hand Surgery. 2022 July. Accepted.

7. **Alvandi BA**, Dayton SR, Hartwell MJ, Gerlach EB, Swiatek PR, Carney JJ, Tjong VK. Outcomes in Pediatric Hip FAI Surgery: a Scoping Review. Curr Rev Musculoskelet Med. 2022;15(5):362-368. doi:10.1007/s12178-022-09771-6. Published.

8. Hong C, **Alvandi BA**, Mohan V. UTI-Associated Lumbar Epidural Abscess with Discitis and Osteomyelitis in a 47-Year-Old Male: Diagnosis and Surgical Intervention. Journal of Orthopaedic Case Reports. 2022. In review.

9. **Alvandi B**, Hartwell M, Butler B, Johnson D, Christian RA, Castle J, Tjong V. Arthroscopic Case Volumes Among Orthopaedic Surgery Residents and Orthopaedic Sports Medicine Fellows: An Analysis of ACGME Case Log Data. J Surg Orthop Adv. 2022;31(1):22-25. Published.

10. Jammal OA, Gendreau J, **Alvandi B**, Patel NA, Brown NJ, Shahrestani S, Lien BV, Delavar A, Tran K, Sahyouni R, Diaz-Aguilar LD, Gilbert K, Pham MH. Demographic Predictors of Treatment and Complications for Spinal Disorders: Part 2, Lumbar Spine Trauma. Neurospine. 2021;18(4):725-732. doi:10.14245/ns.2142614.307. Published.

11. Kyhos J, Johnson D, **Alvandi B**, Terry M, Tjong V. Multi-ligament reconstructions as a risk factor for adverse outcomes in arthroscopic surgery. Knee Surg Sports Traumatol Arthrosc. 2021 Jun;29(6):1913-1919. doi: 10.1007/s00167-020-06252-6. Epub 2020 Sep 9. PMID: 32902685. Published.

12. Selley RS, Hartwell MJ, **Alvandi BA**, Terry MA, Tjong VK. Risk Factors for Increased Consumption of Narcotics After Hip Arthroscopy: A Prospective, Randomized Control Trial. J Am Acad Orthop Surg. 2021 Jun 15;29(12):527-536. doi: 10.5435/JAAOS-D-20-00122. PMID: 33252549. Published.

13. Hartwell MJ, Selley RS, **Alvandi BA**, Dayton SR, Terry MA, Tjong VK. Reduced Opioid Prescription After Anterior Cruciate Ligament Reconstruction Does Not Affect Postoperative Pain or Prescription Refills: A Prospective, Surgeon-Blinded, Randomized, Controlled Trial. Arthrosc Sports Med Rehabil. 2021 Apr 12;3(3):e651-e658. doi: 10.1016/j.asmr.2020.12.012. PMID: 34195628; PMCID: PMC8220566. Published.

14. Swiatek PR, Weiner J, **Alvandi BA**, Johnson D, Butler B, Tjong V, Terry MA. Evaluating the Early Impact of the COVID-19 Pandemic on Sports Surgery Fellowship Education. Cureus. 2021 Jan 27;13(1):e12943. doi: 10.7759/cureus.12943. PMID: 33654620; PMCID: PMC7910193. Published.

15. Kokkinidis DG, Strobel A, Jawaid O, Haider MN, **Alvandi B**, Singh GD, Laird JR, Waldo SW, Armstrong EJ. Development and validation of a predictive score for anterograde crossing of infrapopliteal chronic total occlusions: (The Infrapop-CTO Score). Catheter Cardiovasc Interv. 2020 Mar 1;95(4):748-755. doi: 10.1002/ccd.28693. Epub 2020 Jan 6. PMID: 31905260. Published.

16. Giannopoulos S, Kokkinidis DG, Jawaid O, Behan S, Hossain P, **Alvandi B**, Foley TR, Singh GD, Waldo SW, Armstrong EJ. Turbo-Power™ Laser Atherectomy Combined with Drug-coated Balloon Angioplasty is Associated with Improved One-Year Outcomes for the Treatment of Tosaka II and III Femoropopliteal In-stent Restenosis. Cardiovasc Revasc Med. 2020 Jun;21(6):771-778. doi: 10.1016/j.carrev.2019.10.006. Epub 2019 Oct 18. PMID: 31761634. Published.

17. Kokkinidis DG, Foley TR, Cotter R, Hossain P, **Alvandi B**, Jawaid O, Haider MN, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Acute and Midterm Outcomes of Antegrade vs Retrograde Crossing Strategies for Endovascular Treatment of Iliac Artery Chronic Total Occlusions. J Endovasc Ther. 2019 Jun;26(3):342-349. doi: 10.1177/1526602819845679. PMID: 31106693. Published.

18. Kokkinidis DG, **Alvandi B**, Cotter R, Hossain P, Foley TR, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Long-term outcomes after re-entry device use for recanalization of common iliac artery chronic total occlusions. Catheter Cardiovasc Interv. 2018 Sep 1;92(3):526-532. doi: 10.1002/ccd.27583. PMID: 29521465. Published.

19. Kokkinidis DG, **Alvandi B**, Hossain P, Foley TR, Kielhorn CE, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Midterm Outcomes After Endovascular Intervention for Occluded vs Stenosed External Iliac Arteries. J Endovasc Ther. 2018 Apr;25(2):183-191. doi: 10.1177/1526602818761664. PMID: 29552982. Published.

20. Kokkinidis DG, Hossain P, Jawaid O, **Alvandi B**, Foley TR, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Laser Atherectomy Combined With Drug-Coated Balloon Angioplasty Is Associated With Improved 1-Year Outcomes for Treatment of Femoropopliteal In-Stent Restenosis. J Endovasc Ther. 2018 Feb;25(1):81-88. doi: 10.1177/1526602817745668. PMID: 29219030. Published.

21. Singh GD, Armstrong EJ, Waldo SW, **Alvandi B**, Brinza E, Hildebrand J, Amsterdam EA, Humphries MD, Laird JR. Non-compressible ABIs are associated with an increased risk of major amputation and major adverse cardiovascular events in patients with critical limb ischemia. Vasc Med. 2017 Jun;22(3):210-217. doi: 10.1177/1358863X16689831. PMID: 28466753. Published

22. Singh S, Armstrong EJ, Sherif W, **Alvandi B,** Westin GG, Singh GD, Amsterdam EA, Laird JR. Association of elevated fasting glucose with lower patency and increased major adverse limb events among patients with diabetes undergoing infrapopliteal balloon angioplasty. Vasc Med. 2014 Aug;19(4):307-314. doi: 10.1177/1358863X14538330. PMID: 24939930; PMCID: PMC4402094. Published.

23. Armstrong EJ, Saeed H, **Alvandi B**, Singh S, Singh GD, Yeo KK, Anderson D, Westin GG, Dawson DL, Pevec WC, Laird JR. Nitinol self-expanding stents vs. balloon angioplasty for very long femoropopliteal lesions. J Endovasc Ther. 2014 Feb;21(1):34-43. doi: 10.1583/13-4399MR.1. PMID: 24502482; PMCID: PMC8922726. Published.

BOOK CHAPTERS

1. **Alvandi, BA**, Willis-Hong, C, Mohan, V. “Cellular Technologies in the Treatment of Orthopaedic Spine Pathologies.” The Fundamentals of Spine Surgery, Editor: Tim Bachmeier, Nova Science Publishers, October 2020, 1-54.

MODERATED PRESENTATIONS

1. **Alvandi BA**, Nicolay RN, Willis-Hong C, Issa T, Angileri HS, Terry M, Tjong V. Joint Hypermobility as a Risk Factor for Increased Injury in Division I Athletes –Prospective Cohort Study. AAOS. 2025 March.

2. **Alvandi BA**, Arpey NC, Barrett JE, Gerlach EB, Morgan AM, Peabody MT, Divi SN, Hsu WK, Patel AA. Does Recall Bias Exist in Lumbar Spine Surgery Patients as Reported Through PROMIS Questionnaires? NASS. 2022 October.

3. Gerlach E, Plantz M, **Alvandi BA**, Goedderz C, Curtis D, Zelby A. Patient Reported Outcomes Following Percutaneous Thread Carpal Tunnel Release: A Prospective Multicenter Analysis of 877 Patients. ASSH. 2022 September.

4. Plantz MA, Gerlach EB, Kurapaty S, Brecount H, Jones C, **Alvandi BA**, Christian D, Marx J, Goodwin A, Inglis J, Laiwalla R, Peabody TD. Ethic Disparities in Clinical Outcomes Following Primary Below-Knee Amputation. Orthopaedic Summit. 2022 September.

5. **Alvandi BA**, Hartwell MJ, Sheth U, Nelson PT, Morgan AM, Fernandez C, Tjong VK, Terry MA. Isolated Acetabuloplasty for the Treatment of Femoroacetabular Impingement: Long-Term Patient-Reported Outcomes. MAOA. 2021 October.

6. **Alvandi BA**, Swiatek PR, Weiner J, Johnson D, Butler B, Tjong V, Terry MA. Evaluating the Early Impact of the COVID-19 Pandemic on Sports Surgery Fellowship Education. MAOA. 2021 October.

7. **Alvandi B**, Weiner J, Adhia A, Feinglass J, Manning D, Suleiman L. Identifying At-Risk Patients in the Transition to Bundled Payments: Disparities in Hip Arthroplasty Outcomes from 2016-2018. MAOA. 2021 October.

8. **Alvandi BA**, Vakhshori V, Heidari KS, Vangsness CT, Hatch GF, Marecek G. Effect of Organ Transplantation on Operative Outcomes Following Hip Fractures: A Case-Control Study. WOA. 2018 August.

9. **Alvandi B**, Kokkinidis DG, Hossain P, Foley TR, Kielhorn CE, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Long Term Outcomes after Endovascular Intervention of External Iliac Arteries. TCT. 2017 October.

ABSTRACTS/POSTERS

1. Alvandi BA, Thorne T, Mouritsen M, Joyce CD. Lesser Tuberosity Perfusion after Ligation of the Anterior Humeral Circumflex Artery: Dual-Energy Computed Tomography Cadaveric Study. SDSI. 2025 June.

2. Gerlach E, Plantz M, **Alvandi BA**, Goedderz C, Curtis D, Zelby A. Patient Reported Outcomes Following Percutaneous Thread Carpal Tunnel Release: A Prospective Multicenter Analysis of 877 Patients. Journal of Hand Surgery. AAOS. 2023 March.

3. Brown NJ, Zhang A, Choi A, Shahrestani S, Chan AK, Himstead A, Chan AY, **Alvandi B**, Gerlach E, Singh R, Camino-Willhuber G, Gendreau J, Oh MY. Diagnosis and Management of Thoracolumbar Spinal Disorders Presenting as Cardiac, Gastrointestinal, and other False Pain Syndromes. Diagnosis and Management of Thoracolumbar Spinal Disorders Presenting as Cardiac, Gastrointestinal, and other False Pain Syndromes. 2022 October.

4. Shahrestani S, Brown NJ, Reardon T, Patel N, Gendreau J, Strickland B, Bakhsheshian J, Nasrollahi T, Borrelli M, **Alvandi B**, Gerlach E, Ruzevick J, Zada G. Understanding the Role of Frailty in the Clinical Management of Neurofibromatosis Type 1 Using Machine Learning: A Mixed-Effects Modeling Study. Congress of Neurological Surgeons Annual Meeting. 2022 October.

5. Jammal OA, Brown NJ, Gendreau J, Reardon T, Himstead A, Shahrestani S, Patel N, Sahyouni R, Singh R, **Alvandi B**, Gerlach E, Diaz-Aguilar LD, Pham M. Demographic Predictors of Treatment and Complications in Adult Spinal Deformity: An Analysis of 17,433 Patients using the National Inpatient Sample. Congress of Neurological Surgeons Annual Meeting. 2022 October.

6. Beyer RS, Brown NJ, Camino-Willhuber G, Hatter M, Franklin A, Bhatia N, **Alvandi B**, Gerlach E, Singh R, Lee YP, Gendreau J, Oh MY. Surgical Treatment of Primary Spinal Infection in the Pediatric Population. Congress of Neurological Surgeons Annual Meeting. 2022 October.

7. Brown NJ, Reardon T, Chan AY, Chan AKH, Shahrestani S, Yang CY, Hovis G, Choi EH, Beyer R, Hsu Z, Gendreau J, **Alvandi B**, Gerlach E, Singh R, Patel N, Oh MY. Pain outcomes in minimally invasive surgery for palliative treatment of spinal metastases. Congress of Neurological Surgeons Annual Meeting. 2022 October.

8. Himstead A, Brown NJ, Diaz-Aguilar LD, **Alvandi B**, Gerlach E, Shah V, Reardon T, Gendreau J, Pham M. Simultaneous Robotic Single-Position Surgery (SR-SPS) with Oblique Lumbar Interbody Fusion: Retrospective Series. Congress of Neurological Surgeons Annual Meeting. 2022 October.

9. Brown NJ, Shahrestani S, Loya J, Patel N, Gendreau J, Singh R, **Alvandi B**, Gerlach E, Reardon T, Rennert R, Levy M. Novel Use of Nonpenetrating Titanium Clips for Pediatric Primary Spinal Dural Closure. Congress of Neurological Surgeons Annual Meeting. 2022 October.

10. Kurapaty S, Plantz MA, Gerlach EB, Brecount H, Jones C, **Alvandi BA**, Christian D, Marx J, Goodwin A, Inglis J, Laiwalla R, Peabody TD. Ethic Disparites in Clinical Outcomes Following Primary Below-Knee Amputation. Clinical Orthopaedic Society. 2022 September.

11. **Alvandi BA**, Hartwell MJ, Morgan AM, Nelson PA, Fernandez CE, Nicolay RW, Sheth U, Tjong VK, Terry MA. Incidence and Risk Factors for Failure of Primary Hip Arthroscopy within One Year: A Population-Based Study. *MAOA.* 2021 October.

12. **Alvandi BA,** Hartwell MJ, Selley RS, Terry MA, Tjong VK. A Prospective, Surgeon Blinded, Randomized Control Trial in Knee Arthroscopy: Can We Eliminate Opioid Medications for Postoperative Pain Control. *MAOA.* 2021 October.

13. **Alvandi BA**, Hartwell MJ, Harold RE, Sweeney PT, Seitz A, Marra G, Saltzman M. Association Between Rotator Cuff Fatty Infiltration and Posterior Glenoid Wear in Glenohumeral Osteoarthritis. *MAOA.* 2021 October.

14. **Alvandi BA**, Hartwell MJ, Harold RE, Sweeney PT, Seitz A, Marra G, Saltzman M. Correlation Between Goutallier Classification, Glenoid Version Angle, and Walch Classification on MRI vs. CT Scan in Glenohumeral Osteoarthritis. *MAOA.* 2021 October.

15. Swiatek PR, Weiner J, **Alvandi BA**, Johnson D, Butler B, Tjong V, Terry MA. Evaluating the Early Impact of the COVID-19 Pandemic on Sports Surgery Fellowship Education. *AAOS.* 2021 September.

16. Vakhshori V, **Alvandi BA**, Heidari KS, Vangsness CT, Hatch GF, Marecek G. Effect of Bariatric Surgery on Operative Outcomes Following Pelvic and Acetabular Fractures: A Case-Control Study. *WOA.* 2018 August.

17. Vakhshori V, **Alvandi BA**, Heidari KS, Vangsness CT, Hatch GF, Marecek G. Effect of Organ Transplantation on Operative Outcomes Following Tibial Plateau Fractures: A Case-Control Study. *WOA.* 2018 August.

18. Vakhshori V, **Alvandi BA**, Heidari KS, Vangsness CT, Hatch GF, Marecek G. Effect of Organ Transplantation on Operative Outcomes Following Ankle and Talus Fractures: A Case-Control Study. *WOA.* 2018 August.

19. **Alvandi B**, Kokkinidis DG, Hossain P, Foley TR, Kielhorn CE, Singh GD, Waldo SW, Armstrong EJ. Long-Term Outcomes after Endovascular Intervention of External Iliac Arteries. *Journal of the American College of Cardiology*. vol. 70, no. 18. B167-B168. 2017 October.

20. Jawaid O, Kokkinidis DG, Strobel A, Foley TR, **Alvandi B**, Sturm R, Choy HH, Singh GD, Waldo SW, Armstrong EJ. A Predictive Score for Successful Antegrade Crossing of Infrapopliteal Chronic Total Occlusions During Endovascular Intervention. *Journal of the American College of Cardiology*, vol. 70, no. 18. B331—332. B168. 2017 October.

21. Kokkinidis DG, **Alvandi B**, Hossain P, Foley TR, Kielhorn CE, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Long-Term Outcomes After Re-entry Device Use for Recanalization of Common Iliac Artery Chronic Total Occlusions." *SVM*. 2017 June.

22. Kokkinidis DG, Hossain P, Jawaid O, **Alvandi B**, Foley TR, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Laser Atherectomy Combined With Drug-Coated Balloon Angioplasty Is Associated With Improved 1-Year Outcomes for Treatment of Femoropopliteal In-Stent Restenosis. *SCAI*. 2017 May.

23. Kokkinidis DG, **Alvandi B**, Hossain P, Foley TR, Kielhorn CE, Singh GD, Waldo SW, Laird JR, Armstrong EJ. Long-Term Outcomes after Re-entry Device Use for Recanalization of Common Iliac Artery Chronic Total Occlusions. *Keck Medical Student Research Forum*. 2017 April.

24. **Alvandi B**, Singh GD, Armstrong EJ, Waldo SW, Brinza E, Hildebrand J, Amsterdam EA, Humphries MD, Laird JR. Non-Compressible ABIs are Associated with an Increased Risk of Major Amputation and Major Adverse Cardiovascular Events in Patients with Critical Limb Ischemia. *SCAI*. 2014.

AWARDS

1. The Jannat Bolandgray Memorial Scholarship (2015)
2. The Abbas Bolandgray Annual Scholarship (2015)
3. The Kaveh & Soraya Bagheri Family Annual Scholarship (2015)
4. William E. Dochterman Scholarship Fund (2015)
5. UC Davis Biological Sciences Departmental Citation (2014)
6. Youth Xplosion Community Service Award (2014)
7. Golden 1 Credit Union Scholarship (2013)
8. Payam and Gouya Zamani Endowment Scholarship (2013)
9. Shirin and Javad Rahimian Scholarship (2013)
10. Max and Paulyn Yampol Scholarship (2012)