

CURRICULUM VITAE

Andre Michael Samuel, M.D.

Practice Affiliation

9/1/2022 – ongoing: Fondren Orthopaedic Group, 7401 South Main St, Houston, TX 77030

- Orthopaedic Spine Surgeon

Hospital Appointments

9/1/2022 – ongoing: Texas Orthopaedic Hospital, 7401 South Main St, Houston, TX 77030

- Orthopaedic Spine Surgeon

8/1/2021 – 7/31/2022: Thomas Jefferson University Hospital, 1111 S. 11th St, Philadelphia, PA, 19107

- Clinical Instructor, Orthopaedic Surgery

8/1/2021 – 7/31/2022: Jefferson Methodist Hospital, 2301 S. Broad St, Philadelphia, PA, 19148

- Clinical Instructor, Orthopaedic Surgery

8/1/2021 – 7/31/2022: Rothman Orthopaedic Specialty Hospital, 3300 Tillman Dr. Bensalem, PA, 19020

- Clinical Instructor, Orthopaedic Surgery

8/1/2021 – 7/31/2022: Bryn Mawr Hospital, 130 S. Bryn Mawr Ave, Bryn Mawr, PA, 19010

- Clinical Instructor, Orthopaedic Surgery

8/1/2021 – 7/31/2022: Riddle Memorial Hospital, 1068 W Baltimore Pike, Media, PA, 19063

- Clinical Instructor, Orthopaedic Surgery

8/1/2021 – 7/31/2022: Physician's Care Surgical Hospital, 454 Enterprise Dr, Royersford, PA, 19468

- Clinical Instructor, Orthopaedic Surgery

Education and Professional Training

8/1/2021 – 8/1/2022: Rothman Orthopaedic Institute/Thomas Jefferson University (upcoming)

- Clinical Fellowship in Orthopaedic Spinal Surgery

06/16/2016 – 06/16/2021: Hospital for Special Surgery, New York, NY

- Residency in Orthopaedic Surgery

08/12/2011 – 05/23/2016: Yale School of Medicine, New Haven, CT

- Doctor of Medicine
- Graduate with Honors

08/01/2007 – 05/16/2011: Baylor University, Waco, TX

- Bachelors in Business Administration – With majors in Economics, Finance, and Baylor Business Fellows (Honors business degree program)
- Minors in Biology, Biochemistry, and Mathematics
- Baylor University Foreign Exchange Program, Madrid, Spain: (08/2009 – 12/2009)

Research grants

1. Iyer S, **Samuel AM**, Qureshi S, Sandhu H, Potter H, Carrino J, Wyss J, Casey E, Press J, Kirschner J, Shafi K. “Ultrashort Echo Time (UTE) MRI as a Marker for Refractory Low Back Pain and Degenerative Disc Disease: A Pilot Study” *Hospital for Special Surgery Surgeon In Chief Research Grant*. April 17, 2019 – April 17 2020. (\$36,080)
2. Grauer JN, Leslie MP, **Samuel AM**, Bohl DD. “Comparison of Study Results Between the National Trauma Data Bank (NTDB) and Trauma Quality Improvement Program (TQIP): A Study of Femoral Diaphysis Fractures” *Orthopaedic Trauma Association Research Grant*. Jan 1, 2015 – Dec 31, 2015. (\$3,850)

Awards, merit scholarships, and research fellowships

- Andrew N. Swanson, MD, Alumni Traveling Fellowship to Foundation of Orthopedics and Complex Spine (FOCOS) Clinic in Ghana. 2021
- Yale School of Medicine Farr Scholar Award for Research Excellence (May 2015)
- Yale School of Medicine One Year Medical Student Research Fellowship (June 2014 – May 2015)
- Yale School of Medicine Short-Term Medical Student Research Award (May 2012 – July 2012)
- Magna Cum Laude, Baylor University (May 2011)
- Outstanding Baylor Business Fellows Graduate Award (May 2011)
 - Awarded to the top graduate in Baylor Business Fellows program
- Honors Program Graduate with Distinction (May 2011)
 - Based on completion of Honors Thesis and Humanities/Great Texts Curriculum
- Baylor Health Care System Chief Medical Officer Internship Program (May 2010 – July 2010)
- UT MD Anderson Cancer Center Summer Research Program (May 2008 – July 2008)
- Baylor University Regents Scholarship (2007-2011) - Full Tuition and stipend

Original peer-reviewed scientific articles, PubMed indexed

1. Dalal SS, Dupree DA, **Samuel AM**, Vaishnav AS, Gang CH, Qureshi SA, Bumpass DB, Overley SC. “Reoperations After Primary and Revision Lumbar Discectomy: Study of a National-Level Cohort with 8 Year Follow Up.” *Spine J*. 2022 Jun 17:S1529-9430(22)00251-0. doi: 10.1016/j.spinee.2022.06.005. Online ahead of print. PMID: 35724809
2. Anandasivam NS, Ondeck NT, Bagi PS, Galivanche AR, **Samuel AM**, Bohl DD, Grauer JN. “Spinal fractures and/or spinal cord injuries are associated with orthopedic and internal organ injuries in proximity to the spinal injury.” *N Am Spine Soc J*. 2021 Mar 21;6:100057. doi: 10.1016/j.xnsj.2021.100057. eCollection 2021 Jun. PMID: 35141623

3. Meza BC, **Samuel AM**, Albert TJ. "The Role of Vertebral Body Tethering in Treating Skeletally Immature Scoliosis." *HSS J*. 2022 Feb;18(1):171-174. doi: 10.1177/15563316211008866. Epub 2021 Apr 21. PMID: 35087348
4. **Samuel AM**, Morse KW, Pompeu YA, Vaishnav AS, Gang CH, Kim HJ, Qureshi SA. "Preoperative opioids before adult spinal deformity surgery associated with increased reoperations and high rates of chronic postoperative opioid use at 3-year follow-up." *Spine Deform*. 2022 May;10(3):615-623. doi: 10.1007/s43390-021-00450-z. Epub 2022 Jan 22. PMID: 35066794
5. Bovonratwet P, Retzky JS, Chen AZ, Ondeck NT, **Samuel AM**, Qureshi SA, Grauer JN, Albert TJ. "Ambulatory Single-level Posterior Cervical Foraminotomy for Cervical Radiculopathy: A Propensity-matched Analysis of Complication Rates" *Clin Spine Surg*. 2022 Mar 1;35(2):E306-E313. doi: 10.1097/BSD.0000000000001252.
6. PMID: 34654773 Manzur MK, **Samuel AM**, Vaishnav A, Gang CH, Sheha ED, Qureshi SA. "Cervical Steroid Injections Are Not Effective for Prevention of Surgical Treatment of Degenerative Cervical Myelopathy." *Global Spine J*. 2021 Jul 5;21925682211024573. doi: 10.1177/21925682211024573. Online ahead of print. PMID: 34219493
7. Bovonratwet P, Gu A, Chen AZ, **Samuel AM**, Vaishnav AS, Sheha ED, Gang CH, Qureshi SA. "Computer-Assisted Navigation Is Associated With Decreased Rates of Hardware-Related Revision After Instrumented Posterior Lumbar Fusion." *Global Spine J*. 2021 Jun 23;21925682211019696. doi: 10.1177/21925682211019696. Online ahead of print. PMID: 34159837
8. Steinhaus ME, Vaishnav AS, Shah SP, Clark NJ, Chaudhary CB, Othman YA, Urakawa H, **Samuel AM**, Lovecchio FC, Sheha ED, McAnany SJ, Qureshi SA. "Does loss of spondylolisthesis reduction impact clinical and radiographic outcomes after minimally invasive transforaminal lumbar interbody fusion." *Spine J*. 2021 Jun 10;S1529-9430(21)00730-0. doi: 10.1016/j.spinee.2021.06.009. Online ahead of print. PMID: 34118417
9. Manzur MK, **Samuel AM**, Morse KW, Shafi KA, Gatto BJ, Gang CH, Qureshi SA, Iyer S. "Indirect Lumbar Decompression Combined With or Without Additional Direct Posterior Decompression: A Systematic Review." *Global Spine J*. 2021 May 20;21925682211013011. doi: 10.1177/21925682211013011. Online ahead of print. PMID: 34011192
10. **Samuel AM**, Lovecchio FC, Premkumar A, Vaishnav AS, Kim HJ, Qureshi SA. "Association of Duration of Preoperative Opioid Use with Reoperation After One-Level Anterior Cervical Discectomy and Fusion in Non-Myelopathic Patients." *Spine (Phila Pa 1976)*. 2020 Dec 7. doi: 10.1097/BRS.0000000000003861. Online ahead of print. PMID: 33290380
11. **Samuel AM**, Lovecchio FC, Premkumar A, Louie PK, Vaishnav AS, Iyer S, McAnany SJ, Albert TJ, Gang CH, Qureshi SA. "Use of Higher-strength Opioids has a Dose-Dependent Association With Reoperations After Lumbar Decompression and Interbody Fusion Surgery." *Spine (Phila*

- Pa* 1976). 2021 Feb 1;46(3):E203-E212. doi: 10.1097/BRS.0000000000003751. PMID: 33079910
12. Moore HG, **Samuel AM**, Burroughs PJ, Pathak N, Tuason DA, Grauer JN. "Use of intraoperative navigation for posterior spinal fusion in adolescent idiopathic scoliosis surgery is safe to consider." *Spine Deform*. 2021 Mar;9(2):403-410. doi: 10.1007/s43390-020-00218-x. Epub 2020 Oct 6. PMID: 33025389
 13. **Samuel AM**, Munger AM, Lee FY, Friedlaender GE, Ibe IK, Lindskog DM. "Bone Scans Have Little Utility in the Evaluation of Well-Differentiated Cartilaginous Lesions of the Humerus." *Orthopedics*. 2020 Nov 1;43(6):e498-e502. doi: 10.3928/01477447-20200827-05. Epub 2020 Sep 3. PMID: 32882054
 14. **Samuel AM**, Morse K, Lovecchio F, Maza N, Vaishnav AS, Katsuura Y, Iyer S, McAnany SJ, Albert TJ, Gang CH, Qureshi SA. "Early Failures After Lumbar Discectomy Surgery: An Analysis of 62 690 Patients." *Global Spine J*. 2020 Jul 17:2192568220935404. doi: 10.1177/2192568220935404. Online ahead of print. PMID: 32677471
 15. Anandasivam NS, Bagi P, Ondeck NT, Galivanche AR, Kuzomunhu LS, **Samuel AM**, Bohl DD, Grauer JN. "Demographics, mechanism of injury, and associated injuries of 25,615 patients with talus fractures in the National Trauma Data Bank." *J Clin Orthop Trauma*. 2020 May-Jun;11(3):426-431. doi: 10.1016/j.jcot.2019.06.007. Epub 2019 Jun 8. PMID: 32405203
 16. **Samuel AM**, Maza N, Vaishnav AS, Lovecchio FC, Othman YA, McAnany SJ, Iyer S, Albert TJ, Gang CH, Qureshi SA. "Medical optimization of modifiable risk factors before thoracolumbar three-column osteotomies: an analysis of 195 patients." *Spine Deform*. 2020 Apr 22. doi: 10.1007/s43390-020-00114-4. Online ahead of print. PMID: 32323168
 17. **Samuel AM**, Langhans MT, Iyer S. "Spine surgeon ownership of ambulatory surgery centers." *Ann Transl Med*. 2019 Sep;7(Suppl 5):S161. doi: 10.21037/atm.2019.05.89. PMID: 31624727
 18. **Samuel AM**, Moore HG, Vaishnav AS, McAnany S, Albert T, Iyer S, Katsuura Y, Gang CH, Qureshi SA. "Effect of Myelopathy on Early Clinical Improvement After Cervical Disc Replacement: A Study of a Local Patient Cohort and a Large National Cohort." *Neurospine*. 2019 Sep;16(3):563-573. doi: 10.14245/ns.1938220.110. Epub 2019 Sep 30. PMID: 31607089
 19. Mok JK, Sheha ED, **Samuel AM**, McAnany SJ, Vaishnav AS, Albert TJ, Gang CH, Qureshi S. "Evaluation of Current Trends in Treatment of Single-level Cervical Radiculopathy." *Clin Spine Surg*. 2019 Feb 12. doi: 10.1097/BSD.0000000000000796. [Epub ahead of print] PMID: 30762836
 20. Ondeck NT, Bohl DD, Bovonratwet P, McLynn RP, Cui JJ, **Samuel AM**, Webb ML, Grauer JN. "Adverse Events Following Posterior Lumbar Fusion: A Comparison of Spine Surgeons Perceptions and Reported Data for Rates and Risk Factors." *Int J Spine Surg*. 2018 Oct 15;12(5):603-610. doi: 10.14444/5074. eCollection 2018 Oct. PMID: 30364864
 21. Bohl DD, **Samuel AM**, Webb ML, Lukasiewicz AM, Ondeck NT, Basques BA, Anandasivam NS, Grauer JN. "Timing of Adverse Events Following Geriatric Hip Fracture Surgery: A Study

- of 19,873 Patients in the American College of Surgeons National Surgical Quality Improvement Program.” *Am J Orthop (Belle Mead NJ)*. 2018 Sep;47(9). doi: 10.12788/ajo.2018.0080. PMID: 30296324
22. Ondeck NT, Bohl DD, Bovonratwet P, Geddes BJ, Cui JJ, McLynn RP, **Samuel AM**, Grauer JN. “General Health Adverse Events Within 30 Days Following Anterior Cervical Discectomy and Fusion in US Patients: A Comparison of Spine Surgeons' Perceptions and Reported Data for Rates and Risk Factors.” *Global Spine J*. 2018 Jun;8(4):345-353. doi: 10.1177/2192568217723017. Epub 2017 Sep 14. PMID: 29977718
 23. Khormae S, **Samuel AM**, Schairer WW, Derman PB, McLawhorn AS, Fu MC, Albert TJ. “Discharge to Inpatient Facilities After Lumbar Fusion Surgery is Associated with Increased Postoperative Venous Thromboembolism and Readmissions.” *Spine J*. 2018 Jun 1. pii: S1529-9430(18)30270-5. doi: 10.1016/j.spinee.2018.05.044. [Epub ahead of print] PMID: 29864544
 24. Anandasivam NS, Russo GS, **Samuel AM**, Grant R, Bohl DD, Grauer JN. “Injuries Associated with Subdural Hematoma: A Study of the National Trauma Data Bank.” *Conn Med*. 2017 Apr;81(4):215-222. PMID: 29714406
 25. **Samuel AM**, Diaz-Collado PJ, Gala RJ, Webb ML, Lukasiewicz AM, Basques BA, Bohl DD, Kim HJ, Grauer JN. “Thromboembolic Events After Traumatic Vertebral Fractures: An Analysis of 190,192 Patients.” *Spine (Phila Pa 1976)*. 2018 Mar 13. doi: 10.1097/BRS.0000000000002634. [Epub ahead of print] PMID: 29538240
 26. **Samuel AM**, Diaz-Collado PJ, Szolomayer LK, Wiznia DH, Chan WW, Lukasiewicz AM, Basques BA, Bohl DD, Grauer JN. “Incidence of and Risk Factors for Knee Collateral Ligament Injuries With Proximal Tibia Fractures: A Study of 32,441 Patients.” *Orthopedics*. 2018 Mar 1;41(2):e268-e276. doi: 10.3928/01477447-20180213-03. Epub 2018 Feb 19. PMID: 29451942
 27. Basques BA, McLynn RP, Lukasiewicz AM, **Samuel AM**, Bohl DD, Grauer JN. “Missing data may lead to changes in hip fracture database studies: a study of the American College of Surgeons National Surgical Quality Improvement Program.” *Bone Joint J*. 2018 Feb;100-B(2):226-232. doi: 10.1302/0301-620X.100B2.BJJ-2017-0791.R1. PMID: 29437066
 28. **Samuel AM**, Diaz-Collado PJ, Szolomayer LK, Nelson SJ, Webb ML, Lukasiewicz AM, Grauer JN. “Incidence of and Risk Factors for Inpatient Stroke After Hip Fractures in the Elderly.” *Orthopedics*. 2018 Jan 1;41(1):e27-e32. doi: 10.3928/01477447-20171106-04. Epub 2017 Nov 14. PMID: 29136256
 29. **Samuel AM**, Moore HG, Cunningham ME. “Treatment for Degenerative Lumbar Spondylolisthesis: Current Concepts and New Evidence.” *Curr Rev Musculoskelet Med*. 2017 Dec;10(4):521-529. doi: 10.1007/s12178-017-9442-3. Review. PMID: 28994028
 30. Anandasivam NS, Russo GS, Swallow MS, Basques BA, **Samuel AM**, Ondeck NT, Chung SH, Fischer JM, Bohl DD, Grauer JN. “Tibial shaft fracture: A large-scale study defining the injured population and associated injuries.” *J Clin Orthop Trauma*. 2017 Jul-Sep;8(3):225-231. doi: 10.1016/j.jcot.2017.07.012. Epub 2017 Jul 24. PMID: 28951639

31. Marty E, Liu Y, **Samuel A**, Or O, Lane JM. “A review of sarcopenia: Enhancing awareness of an increasingly prevalent disease.” *Bone*. 2017 Dec;105:276-286. doi: 10.1016/j.bone.2017.09.008. Epub 2017 Sep 18. doi: 10.1016/j.bone.2017.09.008. PMID: 28931495
32. Fu MC, Boddapati V, Gausden EB, **Samuel AM**, Russell LA, Lane JM. “Surgery for a fracture of the hip within 24 hours of admission is independently associated with reduced short-term post-operative complications.” *Bone Joint J*. 2017 Sep;99-B(9):1216-1222. doi: 10.1302/0301-620X.99B9.BJJ-2017-0101.R1. PMID: 28860403
33. Bohl DD, Ahn J, Lukasiewicz AM, **Samuel AM**, Webb ML, Basques BA, Golinvaux NS, Singh K, Grauer JN. “Severity Weighting of Postoperative Adverse Events in Orthopedic Surgery.” *Am J Orthop (Belle Mead NJ)*. 2017 Jul/Aug;46(4):E235-E243. PMID: 28856354
34. Fu MC, Gruskay JA, **Samuel AM**, Sheha ED, Derman PB, Iyer S, Grauer JN, Albert TJ. “Outpatient Anterior Cervical Discectomy and Fusion is Associated With Fewer Short-term Complications in One- and Two-level Cases: A Propensity-adjusted Analysis.” *Spine (Phila Pa 1976)*. 2017 Jul 15;42(14):1044-1049. doi: 10.1097/BRS.0000000000001988. PMID: 28697092
35. Webb ML, Bohl DD, Fischer JM, **Samuel AM**, Lukasiewicz AM, Basques BA, Grauer JN. “Electronic Health Record Implementation Is Associated With a Negligible Change in Outpatient Volume and Billing.” *Am J Orthop (Belle Mead NJ)*. 2017 May/Jun;46(3):E172-E176. PMID: 28666044
36. **Samuel AM**, Fu MC, Anandasivam NS, Webb ML, Lukasiewicz AM, Kim HJ, Grauer JN. “After Posterior Fusions for Adult Spinal Deformity, Operative Time is More Predictive of Perioperative Morbidity, Rather Than Surgical Invasiveness: A Need for Speed?” *Spine (Phila Pa 1976)*. 2017 Dec 15;42(24):1880-1887. doi: 10.1097/BRS.0000000000002243. PMID: 28538595
37. Fu MC, **Samuel AM**, Sculco PK, MacLean CH, Padgett DE, McLawhorn AS. “Discharge to Inpatient Facilities After Total Hip Arthroplasty Is Associated With Increased Postdischarge Morbidity.” *J Arthroplasty*. 2017 Sep;32(9S):S144-S149.e1. doi: 10.1016/j.arth.2017.03.044. Epub 2017 Mar 27. PMID: 28455181
38. Anandasivam NS, Russo GS, Fischer JM, **Samuel AM**, Ondeck NT, Swallow MS, Chung SH, Bohl DD, Grauer JN. “Analysis of Bony and Internal Organ Injuries Associated With 26,357 Adult Femoral Shaft Fractures and Their Impact on Mortality.” *Orthopedics*. 2017 May 1;40(3):e506-e512. doi: 10.3928/01477447-20170327-01. Epub 2017 Mar 31. PMID: 28358976
39. Basques BA, Ondeck NT, Geiger EJ, **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Massel DH, Mayo BC, Singh K, Grauer JN. “Differences in Short-Term Outcomes Between Primary and Revision Anterior Cervical Discectomy and Fusion.” *Spine (Phila Pa 1976)*. 2017 Feb 15;42(4):253-260. doi: 10.1097/BRS.0000000000001718. PMID: 28207667

40. Nelson SJ, Webb ML, Lukasiewicz AM, Varthi AG, **Samuel AM**, Grauer JN. Is Outpatient Total Hip Arthroplasty Safe? *J Arthroplasty*. 2017 May;32(5):1439-1442. doi: 10.1016/j.arth.2016.11.053. Epub 2016 Dec 14. PMID: 28065622
41. Webb ML, Nelson SJ, Save AV, Cui JJ, Lukasiewicz AM, **Samuel AM**, Diaz-Collado PJ, Bohl DD, Ondeck NT, McLynn RP, Grauer JN. "Of 20,376 Lumbar Discectomies, 2.6% of Patients Readmitted Within 30 Days: Surgical Site Infection, Pain, and Thromboembolic Events Are the Most Common Reasons for Readmission." *Spine (Phila Pa 1976)*. 2017 Aug 15;42(16):1267-1273. doi: 10.1097/BRS.0000000000002014. PMID: 27926671
42. Basques BA, McLynn RP, Fice MP, **Samuel AM**, Lukasiewicz AM, Bohl DD, Ahn J, Singh K, Grauer JN. "Results of Database Studies in Spine Surgery Can Be Influenced by Missing Data" *Clin Orthop Relat Res*. 2017 Dec;475(12):2893-2904. doi: 10.1007/s11999-016-5175-7. PMID: 27896677
43. Bohl DD, Ondeck NT, **Samuel AM**, Diaz-Collado PJ, Nelson SJ, Basques BA, Leslie MP, Grauer JN. "Demographics, Mechanisms of Injury, and Concurrent Injuries Associated With Calcaneus Fractures: A Study of 14 516 Patients in the American College of Surgeons National Trauma Data Bank." *Foot Ankle Spec*. 2017 Oct;10(5):402-410. doi: 10.1177/1938640016679703. Epub 2016 Nov 28. PMID: 27895200
44. Ezaldein HE, Totonchy M, Chow C, **Samuel A**, Ventura A. "The effect of comorbidities on overall mortality in Stevens- Johnson Syndrome: an analysis of the Nationwide Inpatient Sample." *Dermatol Online J*. 2017 Apr 15;23(4). pii: 13030/qt9333c5dw. PMID: 28541871
45. **Samuel AM**, Fu MC, Toy JO, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Albert TJ, Grauer JN. "Most 30-day Readmissions After Anterior Cervical Discectomy and Fusion Are Not Due to Surgical Site-Related Issues: An Analysis of 17,088 Patients." *Spine (Phila Pa 1976)*. 2016 Dec 1;41(23):1801-1807. PMID: 27398892
46. Basques BA, Ibe I, **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Grauer JN. "Predicting Postoperative Morbidity and Readmission for Revision Posterior Lumbar Fusion." *Clin Spine Surg*. 2017 Jul;30(6):E770-E775. doi: 10.1097/BSD.0000000000000391. PMID: 27280782
47. Basques BA, Gardner EC, **Samuel AM**, Webb ML, Lukasiewicz AM, Bohl DD, Grauer JN. "Injury patterns and risk factors for orthopaedic trauma from snowboarding and skiing: a national perspective." *Knee Surg Sports Traumatol Arthrosc*. 2016 May 13. [Epub ahead of print] PMID: 27177641
48. **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Varthi AG, Leslie MP, Grauer JN. "Do we really know our patient population in database research?: A comparison of the femoral shaft fracture patient populations in three commonly used national databases." *Bone Joint J*. 2016 Mar;98-B(3):425-32. doi: 10.1302/0301-620X.98B3.36285. PMID: 26920971
49. **Samuel AM**, Webb ML, Lukasiewicz AM, Basques BA, Bohl DD, Lane JM, Grauer JN. "Variation in Resource Utilization for Patients With Hip and Pelvic Fractures Despite Equal

- Medicare Reimbursement." *Clin Orthop Relat Res.* 2016 Jun;474(6):1486-94. doi: 10.1007/s11999-016-4765-8. Epub 2016 Feb 25. PMID: 26913512
50. **Samuel AM**, Rathi VK, Grauer JN, Ross JS. "How do orthopaedic devices change after their initial FDA Premarket Approval?" *Clin Orthop Relat Res.* 2016 Apr;474(4):1053-68. doi: 10.1007/s11999-015-4634-x. Epub 2015 Nov 19. PMID: 26584802
 51. Lukasiewicz AM, Bohl DD, Varthi AG, Basques BA, Webb ML, **Samuel AM**, Grauer JN. "Spinal fracture in patients with ankylosing spondylitis: cohort definition, distribution of injuries, and hospital outcomes." *Spine (Phila Pa 1976).* 2016 Feb;41(3):191-6. doi: 10.1097/BRS.0000000000001190. PMID: 26579959
 52. **Samuel AM**, Grauer JN, Rihn JA, Labrum JT. "Two-level Anterior Cervical Discectomy and Fusion: An Outpatient Surgery?" *J Spinal Disord Tech.* 2015 Dec;28(10):349-351. No abstract available. PMID: 26579588
 53. Basques BA, Lukasiewicz AM, **Samuel AM**, Webb ML, Bohl DD, Smith BG, Grauer JN. "Which Pediatric Orthopaedic Procedures Have the Greatest Risk of Adverse Outcomes?" *J Pediatr Orthop.* 2015 Nov 10. [Epub ahead of print] PMID: 26558959
 54. Basques BA, Diaz-Collado PJ, Geddes BJ, **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Ahn J, Singh K, Grauer JN. "Primary and Revision Posterior Lumbar Fusion Have Similar Short-term Complication Rates." *Spine (Phila Pa 1976).* 2016 Jan;41(2):E101-6. doi: 10.1097/BRS.0000000000001094. PMID: 26539938
 55. Basques BA, Long WD, Golinvaux NS, Bohl DD, **Samuel AM**, Lukasiewicz AM, Webb ML, Grauer JN. "Poor Visualization Limits Diagnosis of Proximal Junctional Kyphosis in Adolescent Idiopathic Scoliosis." *Spine J.* 2015 Oct 30. pii: S1529-9430(15)01625-3. doi: 10.1016/j.spinee.2015.10.040. [Epub ahead of print] PMID: 26523958
 56. Bohl DD, **Samuel AM**, Basques BA, Della Valle CJ, Levine BR, Grauer JN. "How much do adverse event rates differ between primary and revision total joint arthroplasty?" *J Arthroplasty.* 2016 Mar;31(3):596-602. doi: 10.1016/j.arth.2015.09.033. Epub 2015 Sep 28.
 57. **Samuel AM**, Russo GS, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Grauer JN. "Surgical treatment of femoral neck fractures after 24 hours in patients between the ages of 18 and 49 is associated with poor inpatient outcomes: An analysis of 1,361 patients in the National Trauma Data Bank" *J Orthop Trauma.* 2016 Feb;30(2):89-94. doi: 10.1097/BOT.0000000000000456. PMID: 26429407
 58. **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Davis KA, Grauer JN. "ICD-9 diagnosis codes have poor sensitivity in trauma patients, biasing database study results: A study of the National Trauma Data Bank." *J Trauma Acute Care Surg.* 2015 Oct;79(4):622-30. doi: 10.1097/TA.0000000000000805 PMID: 26402537
 59. Lukasiewicz AM, Grant RA, Basques BA, Webb ML, **Samuel AM**, Grauer JN. "Patient factors associated with 30 day morbidity, mortality and length of stay after surgery for subdural

- hematoma: A study of the ACS-NSQIP.” *J Neurosurg*. 2015 Aug 28;1-7. [Epub ahead of print] PMID: 26315000
60. Basques BA, Chung SH, Lukasiewicz AM, Webb ML, **Samuel AM**, Bohl DD, Smith BG, Grauer JN. “Predicting Short-term Morbidity in Patients Undergoing Posterior Spinal Fusion for Neuromuscular Scoliosis.” *Spine (Phila Pa 1976)*. 2015 Dec;40(24):1910-7. doi: 10.1097/BRS.0000000000001093. PMID: 26261918
 61. Bohl DD, Webb ML, Lukasiewicz AM, **Samuel AM**, Basques BA, Ahn J, Singh K, Vaccaro AR, Grauer JN. “Timing of Complications Following Spinal Fusion Surgery.” *Spine (Phila Pa 1976)*. 2015 Oct 1;40(19):1527-35. doi: 10.1097/BRS.0000000000001073. PMID: 26230536
 62. Basques BA, Anandasivam NS, Webb ML, **Samuel AM**, Lukasiewicz AM, Bohl DD, Grauer JN. “Risk Factors for Blood Transfusion with Primary Posterior Lumbar Fusion.” *Spine (Phila Pa 1976)*. 2015 Jul 10. [Epub ahead of print] PMID: 26165220
 63. Webb ML, Lukasiewicz AM, **Samuel AM**, Bohl DD, Basques BA, Varthi AG, Grauer JN. “Overall similar infection rates reported in the physician-reported Scoliosis Research Society database and the chart-abstracted American College of Surgeons National Surgical Quality Improvement Program database.” *Spine (Phila Pa 1976)*. 2015 Sep 15;40(18):1431-5. doi:10.1097/BRS.0000000000001033. PMID: 26110664
 64. **Samuel AM**, Webb ML, Lukasiewicz AM, Bohl DD, Basques BA, Russo GS, Rath VK, Grauer JN. “Orthopaedic Surgeons Receive the Most Industry Payments to Physicians, but Large Disparities Seen in Sunshine Act Data” *Clin Orthop Relat Res*. 2015 Oct;473(10):3297-306. doi: 10.1007/s11999-015-4413-8. Epub 2015 Jun 19. PMID: 26088767
 65. Rath VK, Ross JS, **Samuel AM**, Mehra S. “Postmarket Modifications of High-Risk Therapeutic Devices in Otolaryngology Cleared by US Food and Drug Administration.” *Otolaryngol Head Neck Surg*. 2015 Jun 4. pii: 0194599815587508. [Epub ahead of print] PMID: 26044785
 66. Basques BA, Bohl DD, Golinvaux NS, **Samuel AM**, Grauer JN. “General versus spinal anesthesia for hip fractures in patients aged 70 years and older.” *Bone and Joint J*. 2015 May;97-B(5):689-95. doi: 10.1302/0301-620X.97B5.35042. PMID: 25922465
 67. **Samuel AM**, Bohl DD, Basques BA, Diaz-Collado PJ, Lukasiewicz AM, Webb ML, Grauer JN. “Analysis of Delays to Surgery for Cervical Spinal Cord Injuries.” *Spine (Phila Pa 1976)*. 2015 Jul 1;40(13):992-1000. doi: 10.1097/BRS.0000000000000883. PMID: 25785963
 68. Rath VK, **Samuel AM**, Mehra S. “Industry Ties in Otolaryngology: Initial Insights from the Physician Payments Sunshine Act” *Otolaryngol Head Neck Surg*. 2015 Jun;152(6):993-9. no PMID: 25779469
 69. **Samuel AM**, Grant RA, Bohl DD, Basques BA, Webb ML, Lukasiewicz AM, Diaz-Collado PJ, Grauer JN. “Delayed Surgery After Acute Traumatic Central Cord Syndrome is Associated with Reduced Mortality.” *Spine (Phila Pa 1976)*. 2015 Mar 1;40(5):349-56. PMID: 25757037

70. Lukasiewicz AM, Basques BA, Bohl DD, Webb ML, **Samuel AM**, Grauer JN. “Myelopathy is associated with increased all-cause morbidity and mortality following ACDF: A study of 5,256 patients in ACS-NSQIP.” *Spine (Phila Pa 1976)*. 2015 Apr 1;40(7):443-9. PMID: 25599286
71. Grauer JN, **Samuel AM**. “CORR Insights®: Incidence of Surgical Site Infection After Spine Surgery: What Is the Impact of the Definition of Infection?” *Clin Orthop Relat Res*. 2015 May;473(5):1620-1. PMID: 25315280
72. **Samuel AM**, Costa J, Lindskog DM. “Genetic alterations in chondrosarcomas - keys to targeted therapies?” *Cell Oncol (Dordr)*. 2014 Apr;37(2):95-105. PMID: 24458248

Original peer-reviewed scientific articles, non-PubMed indexed

1. **Samuel AM**, Vaishnav A, Gang C, Qureshi SA. “Revision Strategies in Minimally Invasive Spine Surgery” *Contemporary Spine Surgery*. 20(9):1-7, September 2019.
2. **Samuel AM**, Anandasivam NS, Diaz-Collado PJ, Lukasiewicz AM, Webb ML, Grauer JN. “Management of Acute Traumatic Central Cord Syndrome.” *Contemporary Spine Surgery*: 2016 Oct;17(10)1-7. doi: 10.1097/01.CSS.0000499725.56931.10

Book chapters

1. **Samuel AM**, Vaishnav A, Gang C, Qureshi SA. “Optimizing Pain Management in Spine Patients” In: Vitale MG, Wang K, editors. “Safety in Spine Surgery” *Wolters Kluwer*. Alphen aan den Rijn, Netherlands (In press)
2. Qureshi SA, Vaishnav A, **Samuel AM**. “MIS Discectomy and Laminectomy” In: Barrett Boody B, Russo G, Vaccaro A, Anderson G, editors. “The Fellows Manual: Techniques of Spine Surgery”. *Jaypee Brothers Medical Publishers Pvt. Ltd*. New Delhi, India (In press)

Symposium lectures at academic conferences

- **Samuel AM** “Examples of contrasting database studies” (Session on National Database Research)
 - *19th Annual Cervical Spine Research Society Instructional Course*. San Diego, CA. December 2, 2015. (Podium Presentation – Given by **Samuel AM**)

Podium presentations of original research at academic conferences

- **Samuel AM**, Henderson JW. “Effects of International Medical Tourism on the Indian Physician Emigration.”
 - *4th Annual Economic Scholars Program*, Federal Reserve Bank, Dallas, Texas. Mar 26, 2010. (Podium Presentation – Given by **Samuel AM**)

- **Samuel AM**, Webb ML, Lukasiewicz AM, Basques BA, Bohl DD, Grauer JN. “Thromboembolic Events After Traumatic Lumbar Vertebral Fractures: An Analysis Of 80,558 Patients.”
 - *8th Annual Meeting of the Lumbar Spine Research Society*. Chicago, IL.: Apr 9-10, 2015 (Podium Presentation – Given by **Samuel AM**)
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Oral Poster Presentation – Given by **Samuel AM**)
- Webb ML, **Samuel AM**, Lukasiewicz AM, Basques BA, Bohl DD, Varthi AG, Grauer JN. “Of 5,267 Lumbar Posterior Fusions, 4.35% Of Patient Readmitted Within 30 Days: Surgical Site Issues The Most Common Reasons For Readmission.”
 - *8th Annual Meeting of the Lumbar Spine Research Society*. Chicago, IL: Apr 9-10. 2015 (Podium Presentation - Given by Webb ML).
- Webb ML, Lukasiewicz AM, **Samuel AM**, Bohl DD, Basques BA, Varthi AG, Grauer JN. “Of 12,567 Lumbar Discectomies, 2.47% Of Patient Readmitted Within 30 Days: Pain Issues The Most Common Reasons For Readmission.”
 - *8th Annual Meeting of the Lumbar Spine Research Society*. Chicago, IL: Apr 9-10. 2015 (Podium Presentation - Given by Webb ML).
- **Samuel AM**, Bohl DD, Basques BA, Diaz-Collado PJ, Lukasiewicz AM, Webb ML, Grauer JN. “Factors Associated with Delays to Surgery After Cervical Spinal Cord Injury.”
 - *67th Annual Meeting of ABJS*: Eugene, Oregon. 8-12 July 2015. (Podium Presentation – Given by Grauer JN).
- Bohl DD, Basques BA, Golinvaux NS, Lukasiewicz AM, Webb ML, **Samuel AM**, Ahn J, Singh K, Grauer JN. “Severity weighting of postoperative adverse events in orthopaedic surgery.”
 - *67th Annual Meeting of ABJS*: Eugene, Oregon. 8-12 July 2015. (Podium Presentation – Given by Grauer JN).
- **Samuel AM**, Grant RA, Bohl DD, Basques BA, Webb ML, Lukasiewicz AM, Diaz-Collado PJ, Grauer JN. “Delayed Surgery After Acute Traumatic Central Cord Syndrome is Associated with Reduced Mortality.”
 - *Annual Meeting of the New England Neurosurgical Society*. Chatham, MA. June 25-27, 2015 (Podium Presentation – Given by Grant RA)
- Rathl VK, **Samuel AM**, Mehra S. “Industry Ties in Otolaryngology: Initial Insights from the Physician Payments Sunshine Act”
 - *Annual Meeting of American Academy of Otolaryngology – Head and Neck Surgery Foundation*. Dallas, TX. September 27-30, 2015. (Podium Presentation – Given by Rathl VK)
- **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Varthi AG, Leslie MP, Grauer JN. "Do We Really Understand the Patient Populations in Database Research: A Comparison of Femoral Shaft Fracture Patients in Three Commonly Used National Databases"
 - *31st Annual Meeting of the Orthopaedic Trauma Association*. San Diego, CA. October 7-10, 2015.

(Podium Presentation – Given by **Samuel AM**)

- Basques BA, Lukasiewicz AM, **Samuel AM**, Webb ML, Bohl DD, Grauer JN. “Missing Data May Invalidate Hip Fracture Database Studies.”
 - *31st Annual Meeting of the Orthopaedic Trauma Association*. San Diego, CA. October 7-10, 2015. (Podium Presentation – Given by Basques BA)
- **Samuel AM**, Toy JO, Fu MC, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Albert TJ, Grauer JN. "Most 30-day readmissions after anterior cervical discectomy and fusion are not due to surgical site-related issues: An analysis of 10,006 patients"
 - *43rd Annual Meeting of the Cervical Spine Research Society*. San Diego, CA. December 3-5 2015. (Podium Presentation – Given by Fu MC)
 - 16th Annual Meeting of the International Society for Advancement of Spine Surgery. Las Vegas NV. Apr 6-8 2016. (Podium Presentation – Given by **Samuel AM**)
- Basques BA, Ondeck NT, Lukasiewicz AM, Webb ML, **Samuel AM**, Bohl DD, Ahn J, Toy JO, Singh K, Grauer JN. “Cervical Total Disc Replacement and Anterior Cervical Discectomy and Fusion have Similar Short-Term Complication Rates”
 - *43rd Annual Meeting of the Cervical Spine Research Society*. San Diego, CA. December 3-5 2015. (Podium Presentation – Given by Grauer JN)
- Basques BA, Ondeck NT, **Samuel AM**, Webb ML, Lukasiewicz AM, Bohl DD, Ahn J, Singh K, Grauer JN. “Missing Data May Invalidate Spine Surgery Database Studies.”
 - *43rd Annual Meeting of the Cervical Spine Research Society*. San Diego, CA. December 3-5 2015. (Podium Presentation – Given by Ondeck NT)
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*. Orlando, FL. 2016 Mar 1-5. (To be given by Basques BA).
 - *9th Annual Meeting of the Lumbar Spine Research Society*, Chicago, IL: April 14-15 2016. (Podium Presentation – Given by Ondeck NT)
- Bohl DD, **Samuel AM**, Lukasiewicz AM, Webb ML, Basques BA, Della Valle CJ, Levine BR, Grauer JN. Which Adverse Events are Associated with Revision Versus Primary Total Joint Arthroplasty?
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*. Orlando, FL. 2016 Mar 1-5. (Podium Presentation – Given by Bohl DD).
- Bohl DD, **Samuel AM**, Webb ML, Lukasiewicz AM, Basques BA, Levine BR, Grauer JN. Timing of Complications Following Total Joint Arthroplasty.
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*. Orlando, FL. 2016 Mar 1-5. (Podium Presentation – Given by Bohl DD).
- **Samuel AM**, Rathi VK, Grauer JN, Ross JS "Post-market Changes To Orthopaedic Devices Cleared Via The FDA Premarket Approval Supplement Pathway"
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*. Orlando, FL. 2016 Mar 1-5. (Podium Presentation – Given by **Samuel AM**).

- **Samuel AM**, Ibe I, Friedlaender GE, Lindskog DM. "Bone Scans Have Little Utility In Evaluation Of Well-differentiated Cartilaginous Lesions Of The Humerus"
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*. Orlando, FL. 2016 Mar 1-5. (Podium Presentation – Given by **Samuel AM**).
- **Samuel AM**, Fu MC, Anandasivam NS, Lukasiewicz AM, Webb ML, Kim HJ, Grauer JN. Operative time better predictor of perioperative outcomes after long posterior fusions for adult spinal deformity than other surgical variables.
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Podium Presentation – Given by **Samuel AM**)
 - *9th Annual Meeting of the Lumbar Spine Research Society*, Chicago, IL: April 14-15 2016. (Podium Presentation – Given by **Samuel AM**)
- Fu MC, **Samuel AM**, Sheha ED, Derman PD, Iyer S, Grauer JN, Kim HJ. "Outpatient Procedures Reduce Short-Term Complications in One- and Two-Level Anterior Cervical Discectomy and Fusion: A Propensity-Adjusted Analysis of 14,434 Patients".
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Podium Presentation – Given by **Samuel AM**)
- **Samuel AM**, Diaz-Collado PJ, Fu MC, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Grauer JN. "Hospital-acquired pneumonia occurs in 20.5% of cervical spinal cord injury patients and is associated with poor inpatient outcomes: An analysis of 5,198 patients in the National Trauma Data Bank."
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Podium Presentation – Given by **Samuel AM**)
- **Samuel AM**, Diaz-Collado PJ, Gala R, McLynn RP, Lukasiewicz AM, Basques B, Bohl DD, Grauer JN. Thromboembolic events after traumatic vertebral fractures: an analysis of 190,192 patients.
 - *32nd Annual Meeting of the North American Spine Society*; Orlando, FL. October 25-28, 2017 (Podium Presentation – Given by Diaz-Collado PJ)
- **Samuel AM**, Maza N, Vaishnav A, Lovecchio F, Gang C, Qureshi SA. "Benefits of Medical Optimization before Thoracolumbar Three-Column Osteotomies: An Analysis of 618 Patients"
 - *American Academy of Orthopaedic Surgeons 2019 Annual Meeting*. Las Vegas, NV. 2019 Mar 14 (Podium Presentation – Given by **Samuel AM**).
 - *19th Annual Meeting of the International Society for Advancement of Spine Surgery*. Anaheim, CA April 3-5, 2019 (Podium Presentation – Given by Maza N).
 - *54th Annual Meeting of Scoliosis Research Society*. Toronto, CA. September 19, 2019 (Podium Presentation – To be given by **Samuel AM**).
- **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. "Effect of myelopathy on outcomes after cervical disc replacement: A study of a local patient cohort and a large national cohort"
 - *19th Annual Meeting of the International Society for Advancement of Spine Surgery*. Anaheim,

- CA April 3-5, 2019 (Podium Presentation – Given by Maza N).
- *2019 Congress of Neurological Surgeons Annual Meeting*. San Francisco, CA. Oct 19-23, 2019. (Podium Presentation)
 - **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “Low Perioperative Complications and Good Short-Term Outcomes After Revision Spine Surgery Using Minimally Invasive (MIS) Techniques”
 - *19th Annual Meeting of the International Society for Advancement of Spine Surgery*. Anaheim, CA April 3-5, 2019 (Podium Presentation – Given by Maza N).
 - *50th Annual Meeting of Eastern Orthopaedic Association*. Palm Beach, FL. October 19, 2019 (Podium Presentation – To be given by **Samuel AM**).
 - **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “Acute Readmission and Reoperation after Lumbar Decompression Surgery: An Analysis of 81 365 patients”
 - *19th Annual Meeting of the International Society for Advancement of Spine Surgery*. Anaheim, CA April 3-5, 2019 (Podium Presentation – Given by Othman Y).
 - *2019 Congress of Neurological Surgeons Annual Meeting*. San Francisco, CA. Oct 19-23, 2019. (Podium Presentation)

Poster presentations of original research at academic conferences

- **Samuel AM**, Diaz-Collado PJ, Gala R, Webb ML, Lukasiewicz AM, Basques BA, Bohl DD, Grauer JN. “Thromboembolic Events After Traumatic Lumbar Vertebral Fractures: An Analysis Of 80,558 Patients.”
 - *30th Annual Meeting of the North American Spine Society*. Chicago, IL. 14-17 October 2015. (Poster Presentation)
- **Samuel AM**, Diaz-Collado PJ, Save AV, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Grauer JN. “Short-term Outcomes After Cauda Equina Syndrome: An Analysis Of 3,732 Patients.”
 - *8th Annual Meeting of the Lumbar Spine Research Society*. Chicago, IL: Apr 9-10. 2015 (Poster Presentation)
 - *30th Annual Meeting of the North American Spine Society*. Chicago, IL. 14-17 October 2015. (Poster Presentation)
- Lukasiewicz AM, Bohl DD, **Samuel AM**, Webb ML, Basques BA, Grauer JN. “Effect of Postoperative Complications on Length of Stay after Lumbar Fusion Procedures.”
 - *8th Annual Meeting of the Lumbar Spine Research Society*. Chicago, IL: Apr 9-10. 2015 (Poster Presentation).
- Webb ML, **Samuel AM**, Lukasiewicz AM, Basques BA, Bohl DD, Varthi AG, Grauer JN. “Of 5,267 Lumbar Posterior Fusions, 4.35% Of Patient Readmitted Within 30 Days: Surgical Site Issues The Most Common Reasons For Readmission.”
 - *30th Annual Meeting of the North American Spine Society*. Chicago, IL. 14-17 October 2015. (Poster Presentation)
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas

NV. Apr 6-8 2016. (Poster Presentation)

- **Samuel AM**, Bohl DD, Basques BA, Diaz-Collado PJ, Lukasiewicz AM, Webb ML, Grauer JN. “Factors Associated with Delays to Surgery After Cervical Spinal Cord Injury.”
 - *128th Meeting of the American Orthopaedic Association*. Providence, Rhode Island. Jun 24-27, 2015. (Poster Presentation)
 - *30th Annual Meeting of the North American Spine Society*. Chicago, IL. 14-17 October 2015. (Poster Presentation)
- Bohl DD, Webb ML, Lukasiewicz AM, **Samuel AM**, Golinvaux NS, Basques BA, Grauer JN. “How Long After Total Hip Arthroplasty Do Complications Occur?”
 - *128th Meeting of the American Orthopaedic Association*. Providence, Rhode Island. Jun 24-27, 2015. (Poster Presentation)
- Bohl DD, Basques BA, Golinvaux NS, Lukasiewicz AM, Webb ML, **Samuel AM**, Ahn J, Singh K, Grauer JN. “Severity weighting of postoperative adverse events in orthopaedic surgery.”
 - *128th Meeting of the American Orthopaedic Association*. Providence, Rhode Island. Jun 24-27, 2015. (Poster Presentation)
- Webb ML, Bohl DD, Basques BA, **Samuel AM**, Lukasiewicz AM, Gardner EC, Grauer JN. “Open Reduction and Internal Fixation vs. Arthroplasty for Proximal Humerus Fractures in 487 Geriatric Patients.”
 - *128th Meeting of the American Orthopaedic Association*. Providence, Rhode Island. Jun 24-27, 2015. (Poster Presentation)
- Basques BA, Lukasiewicz AM, Webb ML, **Samuel AM**, Bohl DD, Smith BG, Grauer JN. “Predicting Short-term Morbidity in Patients Undergoing Posterior Spinal Fusion for Neuromuscular Scoliosis.”
 - *30th Annual Meeting of the North American Spine Society*. Chicago, IL. October 14-17, 2015. (Poster Presentation)
 - *50th Annual Meeting of the Scoliosis Research Society*: Minneapolis, MN. September 30 - October 3 2015. (Poster Presentation)
- Basques BA, Lukasiewicz AM, Webb ML, **Samuel AM**, Bohl DD, Grauer JN. “Cervical Total Disc Replacement and Anterior Cervical Discectomy and Fusion have Similar Short-Term Complication Rates.”
 - *30th Annual Meeting of the North American Spine Society*. Chicago, IL. October 14-17, 2015. (Poster Presentation)
- **Samuel AM**, Webb ML, Lukasiewicz AM, Varthi AG, Basques BA, Bohl DD, Grauer JN. “Hip and Pelvic Fracture Patients Incur Significantly Different Inpatient Costs, Despite Being Reimbursed Under the Same Medicare Diagnosis Related Group”
 - *31st Annual Meeting of the Orthopaedic Trauma Association*. San Diego, CA. October 7-10, 2015. (Poster Presentation)
- Bohl DD, Ahn J, Lukasiewicz AM, **Samuel AM**, Webb ML, Basques BA, Golinvaux NS, Singh K,

Grauer JN. "Severity Weighting of Adverse Events in Orthopaedic Trauma Surgery."

- *31st Annual Meeting of the Orthopaedic Trauma Association*. San Diego, CA. October 7-10, 2015. (Poster Presentation)
- Bohl DD, **Samuel AM**, Lukasiewicz AM, Webb ML, Basques BA, Della Valle CJ, Levine BR, Grauer JN. Which Adverse Events are Associated with Revision Versus Primary Total Joint Arthroplasty?
 - *25th Annual Meeting of the American Association of Hip and Knee Surgeons*. Dallas, TX. November 5-8, 2015. (Poster Presentation).
- **Samuel AM**, Diaz-Collado PJ, Fu MC, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Grauer JN. "Hospital-acquired pneumonia occurs in 20.5% of cervical spinal cord injury patients and is associated with poor inpatient outcomes: An analysis of 5,198 patients in the National Trauma Data Bank."
 - *43rd Annual Meeting of the Cervical Spine Research Society*. San Diego, CA. December 3-5 2015. (Poster Presentation)
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Oral Poster Presentation)
- Basques BA, Fischer J, **Samuel AM**, Webb ML, Lukasiewicz AM, Bohl DD, Grauer JN. "Missing Data Significantly Affects Results from Total Joint Arthroplasty Database Studies."
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*, Orlando, FL March 1-5 2016. (Poster Presentation)
- Basques BA, Fischer J, **Samuel AM**, Webb ML, Lukasiewicz AM, Bohl DD, Grauer JN. Missing Data Significantly Affects Results from Total Joint Arthroplasty Database Studies.
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*, Orlando, FL March 1-5 2016. (Poster Presentation)
- **Samuel AM**, Webb ML, Lukasiewicz AM, Bohl DD, Basques BA, Russo GS, Rathi VK, Grauer JN. "Large Disparities in Industry Payments to Orthopaedic Surgeons seen in Sunshine Act Data."
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*, Orlando, FL March 1-5 2016. (Poster Presentation)
- **Samuel AM**, Lukasiewicz AM, Webb ML, Bohl DD, Basques BA, Varthi AG, Leslie MP, Grauer JN. "Do We Really Understand the Patient Populations in National Databases When Doing Trauma Research?"
 - *American Academy of Orthopaedic Surgeons 2016 Annual Meeting*, Orlando, FL March 1-5 2016. (Poster Presentation)
- Webb ML, Lukasiewicz AM, **Samuel AM**, Bohl DD, Basques BA, Varthi AG, Grauer JN. "Of 12,567 Lumbar Discectomies, 2.47% Of Patient Readmitted Within 30 Days: Pain Issues The Most Common Reasons For Readmission."
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Poster Presentation)

- Webb ML, **Samuel AM**, Lukasiewicz AM, Basques BA, Bohl DD, Varthi AG, Grauer JN. “Of 5,267 Lumbar Posterior Fusions, 4.35% Of Patient Readmitted Within 30 Days: Surgical Site Issues The Most Common Reasons For Readmission.”
 - *16th Annual Meeting of the International Society for Advancement of Spine Surgery*. Las Vegas NV. Apr 6-8 2016. (Poster Presentation)
- Ondeck NT, Anandasivam NS, **Samuel AM**, Bohl DD, Grauer JN. “Demographics, Mechanisms of Injury and Concurrent Injuries Associated with Lumbar Spine Injuries: A study of 82,223 patients.”
 - *129th Meeting of the American Orthopaedic Association*. Seattle, WA. June 22-25, 2016. (Poster Presentation)
 - *9th Annual Meeting of the Lumbar Spine Research Society*, Chicago, IL: April 14-15 2016. (Poster Presentation)
- **Samuel AM**, Fu MC, Schairer WW, Derman PB, McLawhorn AS, Albert TJ. “Continued Inpatient Care After Posterior Lumbar Fusion Is Associated With Increased Post-Discharge Complications: A Propensity-Adjusted Analysis”
 - *10th Annual Meeting of the Lumbar Spine Research Society*. Chicago, IL: Apr 6-7. 2017 (Poster Presentation).
- Fu MC, **Samuel AM**, Sculco PK, MacLean CH, Padgett DE, McLawhorn AS. “Discharge to Inpatient Facilities After Total Hip Arthroplasty Is Associated With Increased Postdischarge Morbidity.”
 - *Annual Meeting of the American Association of Hip and Knee Surgeons*. Dallas, TX: Apr 6-7. 2017 (Poster Presentation).
- **Samuel AM**, Maza N, Vaishnav A, Lovecchio F, Gang C, Qureshi SA. “Benefits of Medical Optimization before Thoracolumbar Three-Column Osteotomies: An Analysis of 618 Patients”
 - *2019 Annual Meeting of the American Association of Neurosurgeons*. San Diego, CA April 13-17, 2019
 - *46th Annual Meeting of International Society for the Study of he Lumbar Spine*. Kyoto, Japan. June 3-7 2019
 - *2019 Annual Meeting of the North American Spine Society*. Chicago, IL. September 25-28, 2019
 - *2019 Congress of Neurological Surgeons Annual Meeting*. San Francisco, CA. Oct 19-23, 2019.
- **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “Acute Readmission and Reoperation after Lumbar Decompression Surgery: An Analysis of 81 365 patients”
 - *2019 Annual Meeting of the American Association of Neurosurgeons*. San Diego, CA April 13-17, 2019
 - *46th Annual Meeting of International Society for the Study of he Lumbar Spine*. Kyoto, Japan. June 3-7 2019
- **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “Effect of myelopathy on outcomes after cervical disc replacement: A study of a local patient cohort and a large national cohort”
 - *2019 Annual Meeting of the American Association of Neurosurgeons*. San Diego, CA April 13-17,

2019

- **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “Low Perioperative Complications and Good Short-Term Outcomes After Revision Spine Surgery Using Minimally Invasive (MIS) Techniques”
 - *2019 Annual Meeting of the American Association of Neurosurgeons*. San Diego, CA April 13-17, 2019
 - *2019 Congress of Neurological Surgeons Annual Meeting*. San Francisco, CA. Oct 19-23, 2019.
- **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “Cervical Spine Steroid Injections for Delay of Surgery for Cervical Spondylotic Myelopathy”
 - *2019 Congress of Neurological Surgeons Annual Meeting*. San Francisco, CA. Oct 19-23, 2019.
- **Samuel AM**, Maza N, Vaishnav A, Gang C, Qureshi SA. “MIS Laminectomy in Patients with Sagittal Imbalance”
 - *2019 Annual Meeting of the North American Spine Society*. Chicago, IL. September 25-28, 2019
 - *2019 Congress of Neurological Surgeons Annual Meeting*. San Francisco, CA. Oct 19-23, 2019.

Surgical Video Productions

- **Samuel AM**, Qureshi SA. “Cervical Disc Arthroplasty: Surgical Technique and Technical Pearls”
2019 American Academy of Orthopaedic Surgeons Annual Meeting Orthopaedic Video Theater.
March 14, 2019

Presentations at student research symposia

- **Samuel AM**, Sherfer C, Galko, MJ. “Pathological Wound Closure in Adult Drosophila.”
 - *UT MD Anderson Cancer Center Summer Research Program*. Aug 1, 2008 (Podium Presentation - Given by **Samuel AM**).
- **Samuel AM**, Xiao Y, Kennerly DA. “Opportunities for Enhancing Surgeon Leadership Behaviors During Operating Room Team Formation”
 - *Baylor Health Care System Summer CMO Internship Program*. Aug 2, 2010 (Podium Presentation - Given by **Samuel AM**).
- **Samuel AM**, Bohl DD, Basques BA, Diaz-Collado PJ, Lukasiewicz AM, Webb ML, Grauer JN. “Factors Associated with Delays to Surgery After Cervical Spinal Cord Injury.”
 - *29th Annual Yale School of Medicine Student Research Day*. May 5, 2015 (Poster Presentation – Given by **Samuel AM**)
- **Samuel AM**, Webb ML, Lukasiewicz AM, Varthi AG, Basques BA, Bohl DD, Grauer JN. "Length of stay, intensive care unit time, and ventilator time differ for hip and acetabulum fracture patients, despite equal Medicare DRG reimbursement”
 - *29th Annual Yale School of Medicine Student Research Day*. May 5, 2015 (Poster Presentation – Given by **Samuel AM**)

- Webb ML, **Samuel AM**, Lukasiewicz AM, Bohl DD, Basques BA, Gardner EC, Grauer JN. “Open reduction and internal fixation versus hemiarthroplasty and total shoulder arthroplasty for proximal humerus fractures: Perioperative outcomes among 733 geriatric patients.”
 - 29th Annual Yale School of Medicine Student Research Day. May 5, 2015 (Poster Presentation – Given by Webb ML)
- Webb ML, Lukasiewicz AM, **Samuel AM**, Bohl DD, Basques BA, Diaz-Collado PJ, Varthi AG, Grauer JN. “Of 12,567 lumbar discectomies, 2.54% of patients readmitted within 30 days: Infection, pain, and disc related issues the most common reasons for admission.”
 - 29th Annual Yale School of Medicine Student Research Day. May 5, 2015 (Poster Presentation – Given by Webb ML)
- Webb ML, Lukasiewicz AM, **Samuel AM**, Bohl DD, Basques BA, Gruskay JA, Russo GS, Grauer JN. “Training improves accuracy of lumbar rotation in range of motion exam.”
 - 29th Annual Yale School of Medicine Student Research Day. May 5, 2015 (Poster Presentation – Given by Webb ML)
- Lukasiewicz AM, **Samuel AM**, Webb ML, Basques BA, Bohl DD, Grauer JN. “Effect of postoperative complications on length of stay after lumbar fusion procedures.”
 - 29th Annual Yale School of Medicine Student Research Day. May 5, 2015 (Poster Presentation – Given by Lukasiewicz AM)
- Lukasiewicz AM, Bohl DD, Webb ML, **Samuel AM**, Basques BA, Varthi AG, Grauer JN. “Spinal fractures in patients with ankylosing spondylitis: Cohort definition, distribution, of injuries, and hospital outcomes.”
 - 29th Annual Yale School of Medicine Student Research Day. May 5, 2015 (Poster Presentation – Given by Lukasiewicz AM)

Courses Attended

- AO Trauma Basic Principles, Toronto, ON, Canada. October 26-29, 2017
- AANA Resident/Fellow Foundations in Arthroscopy Course Rosemont, IL, November 11-13, 2018
- AAOS Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents, Rosemont, IL, April 27-29, 2018,
- Weill Cornell Medicine 2nd Principles and Techniques of Complex Spinal Reconstruction Course, New York, NY. April 9, 2017
- 11th New York City MIS, Spinal Endoscopy, Robotics and 3D Navigation Symposium, New York, NY. December 14-16, 2017
- Weill Cornell Medicine 3rd Principles and Techniques of Complex Spinal Reconstruction, New York, NY. March 30-31, 2018
- ISASS Endoscopic and Percutaneous New Technologies and Techniques. Denver, CO September 14-15, 2018

- 12th New York City MIS, Spinal Endoscopy, Robotics, and 3D Navigation Symposium. New York, NY. December 13-15, 2018
- Weill Cornell Medicine 4th Principles and Techniques of Complex Spinal Reconstruction, New York, NY. March 22-23, 2019
- Joimax Spinal Endoscopy Brown University Residents and Fellows Course, Providence, RI, May 3-4, 2019
- AOSpine Regional Residents Course: Surviving the Night, New York, NY. August 24, 2019

Professional service

- North American Spine Society Clinical Registry Oversight Committee 2019-2020
- Manuscript reviewer, *Spine (Phila Pa 1976)*: 2017 – ongoing
- Manuscript reviewer, *OncoTargets and Therapy*: 2015

Work experience, excluding research

- USMLE Step 1 Tutor, Yale School of Medicine, New Haven, CT: Jan 2014 – ongoing
- Academic Tutor, Paul L. Foster Success Center, Waco, TX: Jan 2010 – May 2011

Community service

- Organizer, 2014 Yale Health Professionals World AIDS Day Benefit: Dec 2014
- Committee Member, Yale Hunger and Homelessness Auction: Nov 2011
- President, Baylor Medical Service Organization and Emergency Response Team: Aug 2008 - May 2011
- English Teacher, Community ESL Program, Saint Louis University Madrid Campus, Madrid, Spain: Aug 2009 - Dec 2009
- Volunteer EMT-Basic, Clear Lake Emergency Medical Corps: Houston, TX: May 2009 - Aug 2009
- International Service Learning Medical Missions:
 - San Jose, Costa Rica: March 2009
 - Ciudad Victoria, Tamaulipas, Mexico: August 2008

Hobbies and Extracurricular Activities

- Full-time Muay Thai boxing for 1 month at Tiger Muay Thai kickboxing camp, Phuket, Thailand: February 2015
- 3rd Place, 2014 International Powerlifting Association Connecticut State Open Powerlifting Championships (Amateur 181 lb. weight class): Oct 10, 2014
- Yale Graduate Rugby Football Club (Position: Flanker): 2011-2012
- Financial Affairs Committee Member, Baylor University Student Foundation: August 2010 to May 2011

- Investment Fund Manager and Health Care Sector Analyst, Phil Dorr Endowed Investment Fund: August 2010 to December 2010
- Rowing Club at Baylor University: 2007 to 2008
- Summer Leader Seminar at United States Military Academy at West Point: June 2006
- Royal Rangers Gold Medal of Achievement: 2004 (Equivalent to Boy Scouts of America Eagle Scout Award)