Emilie V. Cheung, MD, FAAOS

Employment History

9/1/06 - Current	Associate Professor of Orthopaedic Surgery
9/1/06-9/2024	Chief of Shoulder Elbow Service
9/2024-present	Shoulder Elbow, Fellowship Director
	Stanford University School of Medicine, Stanford, CA.

Education

1992-1996	B.S., Physiological Science University of California, Los Angeles, CA
1996-2000	M.D. New York Medical College, Valhalla, NY

Training

2000-2005	Residency in Orthopedic Surgery Drexel University, Philadelphia, PA
2005-2006	Fellowship in Adult Upper Extremity Reconstruction (Shoulder and Elbow) Mayo Clinic, Rochester, MN

Board Certified in Orthopedic Surgery: Diplomate of the ABOS, current
Passed ABOS Part I (2006), and ABOS Part II (2008).
Passed ABOS Maintenance of Certification Exam 2016

Scholarships and Honors

1992-1993	UCLA Dean's List
1993-1996	UCLA Departmental Honors, Physiological Science
1993-1996	Golden Key National Honor Society
1993-1996	Alpha Lambda Delta National Honor Society
1993-1996	Phi Eta Sigma National Honor Society
2002	First Place Award Resident's Research, Pennsylvania Orthopedic Society
2004	Third Place Award Drexel University Orthopedics Residents Research Day
2004	AOA-Zimmer Residents Leadership Forum
2005	Second Place Award Drexel Orthopedics Residents Research Day
2005	First Place Award, Residents' Bowl, Philadelphia Orthopedic Society
2011	"Beckers Orthopedic Review" Named one of the Top 11 Female Orthopedic Surgeons to Know
2012	Stanford University Department of Orthopedic Surgery Research Founders Day Award, Primary Investigator for resident: Geoff Abrams, MD
2012	Stanford University Department of Orthopedic Surgery Research Founders Day Award, Primary Investigator for resident: William Bragg, MD
2012	Lloyd W. Taylor, M.D. Resident Research Award 2015. PI for Wang T, Abrams GA, "Biomechanical evaluation of posteriorly augmented glenoid

components". California Orthopedic Association Annual Meeting, Palm Desert, April 15, 2015.

2017 Beckers Orthopedic Review: Named one of the Top 65 Orthopedic surgeons in the country, nominated by other orthopedic surgeons

2022 Invited to AAMC Womens Leadership Conference

2023 Shoulder and Elbow Service received the Excellence Award, voted by the orthopedic residents

2024 Associate Editor, JSES Seminars in Arthroplasty

2025 Newsweek named one of America's Leading Doctors, Shoulder Surgery

Leadership and Service

2009-Present	Fellow American Academy of Orthopedic Surgeons
2008-2011	Course Director, Stanford University Medical Scholars Program
2009-2010	Chairperson Northern California Western Orthopedic Association Annual Meeting, April 9-11, 2010
2009-2012	Board of Directors Member, Northern California Western Orthopedic Association
2006-present	Member, Mayo Elbow Club
2006-present	Faculty and Lab Instructor, Mayo Clinic Annual Elbow Meeting
2007-present	Member, Association of Clinical Elbow and Shoulder Surgeons
2009-present	Faculty Instructor, AAOS/ASES Elbow reconstruction meeting. Orthopedic Learning Center, Rosemont, IL
2008-present	Moderator, Shoulder Arthroplasty Scientific Podium Sessions at AAOS Annual Meeting
2004-present	Attended, ASES Annual Open and Closed meetings
2011-present	Active Member, American Shoulder Elbow Society (ASES)
2016-present	Stanford University Medical School Admissions Committee
2017-present	Member, Codman Shoulder Society
2017-2024	Invited Faculty to San Diego Shoulder Institute
2021-2024	Chair and Founder of ASES Leadership Development Program
2021-2024	Co-Chair of ASES Membership Experience Committee
2021-2022	Member of ASES Young Scholars Memorial fellowship committee
2022-present	Member of ASES Ad-Hoc Committee on Value of Shoulder and Elbow Fellowships
2022-24	Co-Chair ASES Residents and Fellows Course at OLC
2022-24	Planning Committee for San Diego Shoulder Institute
2019-2022	Invited faculty, ASES Fellows Symposium
2022	Co-Chair ACESS Virtual Meeting
2022	Invited faulty, Mayo Clinic Comprehensive Shoulder Elbow Course
2023-24	Vice-Chair, OSET Shoulder and Sports
2023-present	Neer Circle, ASES
2024-present	Associate Editor, JSES Seminars in Arthroplasty, now Journal of Shoulder Elbow Arthroplasty

2025	Lead delegate, International Consensus Meeting of Orthopedic Infection, Shoulder section
2026	Associate Editor, Journal Shoulder Elbow Surgery International

D. Grants/Funded Research

Past funding:

1. American Shoulder Elbow Society Residents Journal Club Grant. Resident: William Bragg. 2010-11
2. Orthopedic Research Education Foundation. Resident Research Grant. "Biomechanical study of Glenoid fixation." Resident: Geoff Abrams. 2009-10
3. "Prospective Multi-Center Study of the Reverse Shoulder Arthroplasty. DJO Orthopedics. Principal investigator. Year(s) of funding: 07/01/2011-06/30/2017
4. A Novel Device for Rotator Cuff Repair" Byers Center for Biodesign – SPECTRUM Medtech Pilot Grant Award. 1/1/2017-12/31/2017. Co-PI.
5. **DoD W81XWH-20-1-0343** 06/01/2020 – 05/31/2024
   Hybrid bone-tendon grafts for enhanced tendon healing
   The project aims to engineer a novel bioactive graft for tendon repair.

Past funding:

1. An Open Label, Multi-Center, Retrospective and Prospective Evaluation of Shoulder Arthoplasty - Clinical and Radiographic Outcomes. Industry funded by Exachtech. Principal investigator. 2014-2021
2. Pyrocarbon IDE Study. Principal investigator.
   Year(s) of funding: 05/25/2016-2021

Consulting experience:

Exactech, Zimmer, Stryker, Shoulder Innovations, Smith + Nephew, JNJ-Depuy/Mitek

E. Scholarly Publications

1. Original Peer-Reviewed Research Publications:

1. **Cheung EV** and Tidball JG. Administration of the Non-Steroidal Anti-Inflammatory Drug Ibuprofen Increases Macrophage Concentrations but Reduces Necrosis During Modified Muscle Use. Inflamm Res, (April 2003); 52(4):170-6. PMID:12755383

2. **Cheung EV** and Tidball JG. Ibuprofen inhibits muscle fiber invasion by macrophages during increased muscle loading. Medicine & Science in Sports & Exercise 28(Supplement) DOI: 10.1097/00005768-199605001-00911

3. Hosalkar HS, **Cheung EV**, Atanda A Jr., Ogilvie C, and Lackman R. An undescribed cause of patellar tendon rupture, Am J Orthop, (July 2005); 34(7):333-6. (Dr. Cheung's

role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

4. **Cheung EV**, Lazarus M, and Taranta M. Immediate Range of Motion After Distal Biceps Tendon Repair. J Shoulder Elbow Surg, (Sep-Oct 2005) 14(5):516-8. PMID: 16194744

5. Cavalier R, **Cheung EV**, Herman M, and Pizzutillo P. "Spondylolysis and Spondylolisthesis in Children and Adolescents: I, Diagnosis, Natural History, and Nonsurgical Management, Conservative Treatment Options", J Am Acad Orthop Surg, (July 2006); 14(7):417-24. PMID: 16822889 (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

6. **Cheung EV**, Cavalier R, Herman M, and Pizzutillo P. "Spondylolysis and Spondylolisthesis in Children and Adolescents: II, Surgical Management", J Am Acad Orthop Surg, (Aug 2006) 14(8):488-98. PMID:16885480

7. **Cheung EV**, O'Driscoll SW. Total Elbow Prosthesis Loosening Caused by Ulnar Component Pistoning. J Bone Joint Surg Am. (June 2007); 89(6):1269-74. PMID: 17545430

8. **Cheung EV,** Sperling JW, Cofield RH. Reimplantation of a Glenoid Component Following Component Removal and Allogenic Bone-Grafting. J Bone Joint Surg Am, (Aug 2007); 89(8):1777-83. PMID: 17671018

9. **Cheung EV**, Sperling JW, Cofield RH. Polyethylene Insert Exchange for Wear After Total Shoulder Arthroplasty. J Shoulder Elbow Surg. (Sept-Oct 2007); 16(5): 574-8. Epub 2007 May 24; PMID: 17531512

10. **Cheung EV**, O'Driscoll SW. Spontaneous Regression of Postoperative Ossification About the Elbow: A Case Report. J Shoulder Elbow Surg. (Nov-Dec 2007); 16(6):el5-6. Epub 2007 Mar 28; PMID: 17391990

11. **Cheung EV**, Adams R, and Morrey BF. Journal of the American Academy of Orthopaedic Surgeons, "Primary Osteoarthritis of the Elbow: Current Treatment Options." (February 2008) Vol. 16(2):77-87. PMID: 18252838

12. Steinmann SP, **Cheung EV**. Treatment of Periprosthetic Humerus Fractures Associated with Shoulder Arthroplasty. J Am Acad Ortop Surg. (April 2008) 16(4):199-207.

13. **Cheung EV.** Locked Plating for Proximal Humerus Fractures. Current Orthopaedic Practice, (Sept/Oct 2008); Vol. 19, No. 5.

14. **Cheung EV**, Adams RA, Morrey BF. Reimplantation of Total Elbow Prosthesis Following Resection Arthroplasty for Infection. J Bone Joint Surg Am (March 2008) 90(3):589-94. PMID: 18310709

15. **Cheung EV**, Sperling JW, Hattrup SJ, Cofield RH. Long Term Outcome of Anterior Stabilization of the Shoulder. J Shoulder Elbow Surg. (Mar-Apr 2008); 17(2):265-70. Epub 2007 Nov 26. PMID 18036836.

16. **Cheung EV.** Chronic Lateral Elbow Instability. Orthop Clin North Am 39 (April 2008) 39(2):221-8, vi-vii. PMID: 18374812.

17. **Cheung EV**, O'Driscoll SW, Morrey BF. (2008) Complications of Hinged External Fixators of the Elbow. J Shoulder Elbow Surg. (May-June 2008); 17(3):447-53. Epub 2008 Mar 4. PMID 18313332.

18. **Cheung EV,** Sperling JW, Cofield RH. Revision Shoulder Arthroplasty for Glenoid Component Loosening. J Shoulder Elbow Surg. (May-June 2008) 17(3):371-5. PMID: 18282720.

19. **Cheung EV**, Sperling JW, Cofield RH. Infection Associated with Hematoma Formation After Shoulder Arthroplasty. Clin Orthop Relat Res. (June 2008) Vol. 466(6):1363-67. Epub 2008 Apr 18. PMID: 18421541.

20. **Cheung EV**. "Fractures of the Capitellum." Hand Clin. (Nov. 2007); 23(4):481-6, vii. PMID:18054675

21. **Cheung EV,** Sperling JW. Management of Proximal Humeral Nonunions and Malunions. Orthopaedic Clinics of North America, (Oct. 2008) Vol. 39(4): 475-482. PMID: 18421541.

22. **Cheung EV**, Yao J. Monteggia Fracture-Dislocation Associated with Proximal and Distal Radioulnar Joint Instability. A Case Report. J Bone Joint Surg Am. (April 2009) Vol 91:950-954. PMID: 19339581.

23. **Cheung EV**, Steinmann SP. Surgical Approaches to the Elbow. J. Am Acad Ortho Surg. (May 2009) Vol 17(5):325-33. Pub Med PMID: 19411644.

24. McCarthy JJ, Kozin SH, Tuohy C, **Cheung E**, Davidson RS, Noonan K. External fixation and centralization versus external fixation and ulnar osteotomy: the treatment of radial dysplasia using the resolved total angle of deformity. J Pediatr Orthop. 2009 Oct-Nov;29(7):797-803. PMID:20104165. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data)

25. Patil N, **Cheung EV**, Mow CS. High revision rate after total elbow arthroplasty with a linked semiconstrained device. Orthopedics. 2009 May;32(5):321. PMID:

19472967(Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

26. **Cheung EV**, Sperling JW, Zarkadas PC, Cofield RH. Open Distal Clavicle Resection: Isolated or with Adjunctive Acromioplasty. Act Orthop Belg. 2009 Oct;75(5):581-7. PMID: 20352390

27. **Cheung EV**, Silverio L, Sperling JW. Strategies in biologic augmentation of rotator cuff repair: a review. Clin Orthop Relat Res. 2010 Jun;468(6):1476-84. PMID: 20352390

28. **Cheung EV**, Silverio L, Yao J. Delivered growth factor therapy to improve healing after rotator cuff repair. Stem Cells and Cloning: Advances and Applications. 2010 Oct:3 135–144. doi: 10.2147/SCCAA/S7359. Review. PMID: 24198519 (PubMed)

29. **Cheung E**, Willis M, Walker M, Clark R, Frankle MA. Complications in reverse total shoulder arthroplasty. J Am Acad Orthop Surg. 2011 Jul;19(7):439-49. PMID:21724923

30. **Cheung EV**, Fleager K. The "Anconeus slide" muscle flap for management of posterior wound complications about the elbow. J Shoulder Elbow Surgery 2011 Dec;20(8):1310-6. PMID: 21396832

31. Desai V, **Cheung EV**. Postoperative pain associated with shoulder and elbow surgery: a prospective study. J Shoulder Elbow Surgery 2012 Apr;21(4):441-50. PMID: 22192767.

32. Abrams G, Bellino M, **Cheung EV**. Risk factors for development of heterotopic ossification of the elbow after fracture fixation. Journal of Shoulder and Elbow Surgery. J Shoulder Elbow Surg. 2012 Nov;21(11):1550-4. PMID: 22947234

33. **Cheung EV**, Safran M. Arthroscopic Rotator Cuff Repair – Traditional Anchor Techniques. Operative Techniques in Sports Medicine 2012 Sept;20(3):213-219

34. Abrams GD, Bellino MJ, **Cheung EV.** Response to letter to editor regarding Risk factors for development of heterotopic ossification of the elbow after fracture fixation. J Shoulder Elbow Surg. 2013 Jul;22(7):e31.

35. Abrams GD, McGarry MH, Jain NS, Freehill MT, Shin SJ, **Cheung EV**, Lee TQ, Safran MR. Biomechanical evaluation of a coracoclavicular and acromioclacicular ligament reconstruction technique utilizing a single continuous intramedullary free tendon graft. J Shoulder Elbow Surg. J Shoulder Elbow Surg. 2013 Jul;22(7):979-85. PMID: 23313367. Role: collaborative participant in study design and manuscript revisions.

36. Silverio L, **Cheung EV.** Patient Adherence with Postoperative Restrictions After Rotator Cuff Repair. J Shoulder Elbow Surgery 2014 Apr;23(4):508-13. PMID: 24581418

37. McGinley J, Gold G, **Cheung E**, Yao J. MRI Detection of Forearm Soft Tissue Injuries with Radial Head Fractures. Hand 2014;9:87-92. PMID: 24570643. Role: data collection of patients included in the study, manuscript revisions.

38. Bragg W, Niu E, Sox-Harris A, Nguyen, M, **Cheung EV.** Determining Center of Rotation and Scapular notching in Reverse TSA: A reliability Study. Techniques in Shoulder & Elbow Surgery: June 2015 - Volume 16 - Issue 2 - p 52–58. doi: 10.1097/BTE.0000000000000051

39. Greene A, Jones RB, Wright TW, Parsons IM, Saadi P, **Cheung EV**, Polakovic S, Hamilton MA. Distribution of Glenoid implant options for correcting deformities using a preoperative planning tool. Bull Hosp Jt Dis (2015). Dec;73(1):52-6. Role: data collection, data analysis, manuscript drafting and manuscript revisions.

40. Wang T, Abrams GD, Behn AW, Lindsey D, Giori N, **Cheung EV**. Posterior Glenoid Wear in Total Shoulder Arthroplasty: Eccentric Anterior Reaming Is Superior to Posterior Augment. Clin Orthop Relat Res. 2015 Dec;473(12):3928-36.

41. Hamilton MA, Polakovic S, Saadi P, Jones RB, Parsons IM, **Cheung EV**. Evaluation of glenoid implant placement in total shoulder arthroplasty. Bull Hosp Jt Dis. 2015 Dec;73(1):47-51.

42. **Cheung EV**, Sarkissian EJ. Complications of Elbow Trauma. Hand Clin. 2015 Nov 31(4):683-91.

43. Kang J, Sin A, Goldhaber-Fiebert J, **Cheung EV**. Treatment of Massive Irreparable Rotator Cuff Tears: A Cost-effectiveness Analysis. Orthopedics. 2016 Sep 29:1-12. doi: 10.3928/01477447-20160926-06.

44. Kang JR, Sin AT, **Cheung EV.** Treatment of Massive Irreparable Rotator Cuff Tears: A Cost-effectiveness Analysis. Orthopedics. 2017 Jan 1;40(1):e65-e76. PMID: 27684078

45. **Cheung EV**, Diaz R, Athwal GS, Sanchez-Sotelo J, Sperling JW. Instr Course Lect. Shoulder Arthroplasty: Key Steps to Improve Outcomes and Minimize Complications. 2016;65:109-26. PMID: 27049185

46. Ramirez, **Cheung EV**, Murthi AM. J Am Acad Orthop Surg. 2017 Aug;25(8):e166-e174. doi: 10.5435/JAAOS-D-15-00479. Revision Total Elbow Arthroplasty. Ramirez MA(1), DOI: 10.5435/JAAOS-D-15-00479 PMID: 28737619. Role: was in the acquisition of data, production of figures, the interpretation of the data, and in writing the manuscript.

47. Simovitch RW1, Friedman RJ, **Cheung EV,** Flurin PH, Wright T, Zuckerman JD, Roche C. Rate of Improvement in Clinical Outcomes with Anatomic and Reverse Total Shoulder

Arthroplasty. J Bone Joint Surg Am. 2017 Nov 1;99(21):1801-1811. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

48. **Cheung EV,** Sarkissian EJ, Sox-Harris A, Comer GC, Saleh JR, Diaz R, Costouros JG. Instability after reverse total shoulder arthroplasty. *J Shoulder Elbow Surg. 2018 Nov;27(11):1946-1952.* PMID: 29934280.

49. Friedman RJ, **Cheung EV,** Flurin PH, Wright T, Simovitch RW, Bolch C, Roche CP, Zuckerman JD. Are Age and Patient Gender Associated With Different Rates and Magnitudes of Clinical Improvement After Reverse Shoulder Arthroplasty? Clin Orthop Relat Res. 2018 Jun;476(6):1264-1273. PMID: 29601384. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

50. Ker DFE, Wang D, Behn AW, Wang ETH, Zhang X, Zhou BY, Mercado-Pagán ÁE, Kim S, Kleimeyer J, Gharaibeh B, Shanjani Y, Nelson D, Safran M, Cheung E, Campbell P, Yang YP., "Functionally Graded, Bone- and Tendon-Like Polyurethane for Rotator Cuff Repair" *Adv Funct Mater. 2018 May;28(20)* PMID: 29785178 (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

51. Barrett I, Ramakrishnan A, **Cheung E. "**Safety and Efficacy of Intraoperative Computer-Navigated Versus Non-Navigated Shoulder Arthroplasty at a Tertiary Referral." Orthop Clin North Am. 2019 Jan; 50(1):95-101. PMID: 30477710.

52. Ngai LK, Ma W, Costouros JG, **Cheung EV,** Horn JL, Tsui BCH. Successful reversal of phrenic nerve blockade following washout of interscalene nerve block as demonstrated by ultrasonographic diaphragmatic excursion. J Clin Anesth. 2020 Feb;59:46-48. PMID: 31212125. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

53. Roche C, DiGeorgio C, Yegres J, VanDeven J, Stroud N, Flurin PH, Wright T, **Cheung E,** Zuckerman JD. Impact of screw length and screw quantity on reverse total shoulder arthroplasty glenoid fixation for 2 different sizes of glenoid baseplates. JSES Open Access. 2019 Nov 1;3(4):296-303. PMID: 31891029. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

54. **Cheung E,** Nathani A, Tashjian R, Armstrong A, Morrey M. Elbow Trauma Sequelae: Instability, Stiffness, Non-arthroplasty, and Arthroplasty Options. Instr Course Lect. 2019;68:117-140. PubMed PMID: 32032041.

55. Friedman, R. J., **Cheung, E.,** Grey, S. G., Flurin, P. H., Wright, T. W., Zuckerman, J. D., Roche, C. Clinical and radiographic comparison of a hybrid cage glenoid to a cemented polyethylene glenoid in anatomic total shoulder arthroplasty. *Journal of shoulder and elbow surgery*. *J Shoulder Elbow Surg. 2019 Dec;28(12):2308-2316.* PMID:

31324502. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

56. Parsons, M., Greene, A., Polakovic, S., Byram, I., **Cheung, E.,** Jones, R., Papandrea, R., Youderian, A., Wright, T., Flurin, P. H., Zuckerman, J. Assessment of surgeon variability in preoperative planning of reverse total shoulder arthroplasty: a quantitative comparison of 49 cases planned by 9 surgeons**.** *J Shoulder Elbow Surg. 2020 Oct;29(10):2080-2088.* PMID: 32471752. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

57. Gerber LN, Sun LY, Ma W, Basireddy S, Guo N, Costouros J, **Cheung E,** Boublik J, Horn JL, Tsui BC. Clinical effect of normal saline injectate into interscalene nerve block catheters given within one hour of local anesthetic bolus on analgesia and hemidiaphragmatic paralysis. Reg Anesth Pain Med. 2021 Feb;46(2):124-129. PMID: 33184166. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

58. Xiao M, Cohen SA, **Cheung EV**, Abrams GD, Freehill MT. Arthroscopic Single and Double Row Repair of Isolated and Combined Subscapularis Tears Result in Similar Improvements in Outcomes: A Systematic Review. Arthroscopy. 2022 Jan;38(1):159-173. PMID: 34052379 (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

59. Xiao M, Cohen SA, **Cheung EV**, Freehill MT, Abrams GD.. Pain Management in Shoulder Arthroplasty: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials. J Shoulder Elbow Surg. 2021 Nov;30(11):2638-2647. doi: 10.1016/j.jse.2021.06.008. Epub 2021 Jul 17.PMID: 34284094. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

60. Sun LY, Basireddy S, Gerber LN, Lamano J, **Cheung E**. Continuous interscalene versus phrenic nerve-sparing high-thoracic erector spinae plan block for total shoulder arthroplasty: a randomized controlled tril. Can J Anaesth. 2022 May; 69(5):614-623. Doi: 10.1007/s12630-022-02216-1. Epub 2022 Mar 2. PMID: 35237953.

61. Xiao M, Cohen SA, **Cheung EV**, Sherman SL, Abrams GD, Freehill MT. Limited Biomechanical Evidence Behind Singe Row vs Double Row Repair of Subscapularis Tears: a systematic review. Arthrosc Sports Med Rehabil. 2022 Mar 15;4(3)e1193-e1201 doi: 10.1016/j.asmr.2022.01.009. PMID 35747639. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

62. Xiao M, Money AJ, Pullen WM, **Cheung EV**, Abrams GD, Freehill MT. Outcomes after resection arthroplasty versus permanent antibiotic spacer for salvage treatment of shoulder periprosthetic joint infections: a systematic review and

meta-analysis. J Shoulder Elbow Surg. 2022 Mar;31(3):668-679 PMID: 34774777. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

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63. Xiao M, Bartolozzi AR, **Freehill MT,** Abrams GD, Cheung EV. Nerve Alerts and Peripheral Nerve Injury in Patients Undergoing Shoulder Arthroplasty with Intraoperative Neuromonitoring: A Systematic Review. Seminars in Arthroplasty: JSES Volume 32, Issue 3, September 2022, Pages 497-504. https://doi.org/10.1053/j.sart.2022.02.002

64. Ker DF, Wang D, Zhang X, Ng KW, **Cheung E**, Yang P et al. Growth and Differentiation Factor-7 Immobilized, Mechanically Strong Quadrol-Hexamethylene Diisocyanate-Methacrylic Anhydride Polyurethane Polymer for Tendon Repair and Regeneration. *Acta Biomaterialia*, 2022 Dec:m154:108-122. Doi: 10.1016/j.actbio.2022.10.029. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

65. Hamptom JP, Zhou JY, Kameni FN, Espiritu JR, **Cheung E**, Maloney WJ Goodman WB, Amanatullah DF. Host and Microbial Characteristics Associated with Recurrent Prosthetic Joint Infections. J Orthop Res. 2024 Mar;42(3):560-567. doi: 10.1002/jor.25768. Epub 2023 Dec 26.PMID: 38093490. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

66. Xiao M, Curtis DM, **Cheung EV**, Freehill MR, Abrams GD. No significant difference in risk of prolonged opioid use following outpatient versus inpatient total shoulder arthroplasty: A propensity matched analysis. Shoulder Elbow. 2023 Jun;15(3):292-299. doi: 10.1177/17585732211060754. Epub 2021 Dec 1. PMID: 37325386 (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

67. Menendez ME, Sudah SY, Denard PJ; PacWest Shoulder Study Group. Surgeon variation in glenoid bone reconstruction procedures for **shoulder**instability. J Shoulder Elbow Surg. 2023 Jan;32(1):133-140. doi: 10.1016/j.jse.2022.09.001. Epub 2022 Oct 5.PMID: 36208672. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

68. Klifto CS, **Cheung EV**, Holcomb JO, Frankle MA, Duralde XA, et al. Are leaders born to lead, or are they made? J Shoulder Elbow Surg. 2024 Mar;33(3):531-535. doi: 10.1016/j.jse.2023.08.020. Epub 2023 Sep 28.

PMID: 37777042 No abstract available. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

69. Bartels D, Pullen WM, Curtis D, Sherman SL, Abrams GD, **Cheung EV,** Freehill MT, Wang T. High accuracy of intra-articular needle position during anterior landmark guided glenohumeral injections. J ISAKOS. 2024 Apr 2:S2059-7754(24)00070-1. doi: 10.1016/j.jisako.2024.03.016. PMID: 38574995. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

70. Sholtis C, Kha ST, Ramakrishnan A, Abrams GD, Freehill MT, **Cheung EV.** Glenoid Structural Bone Grafting in Reverse Total Shoulder Arthroplasty: Clinical and Radiographic Outcomes. J Shoulder Elbow Surg. 2024 Jun 26:S1058-2746(24)00454-3. doi: 10.1016/j.jse.2024.05.008. PMID: 38944375

71. Maxwell S Durtschi, Sungwoo Kim, Jiannan Li, Carolyn Kim, Constance Chu, Emilie Cheung, Marc Safran, Geoff Abrams, Yunzhi Peter Yang. Optimizing Tissue Engineering for Clinical Relevance in Rotator Cuff Repair. *Tissue Engineering Part B*, DOI: 10.1089/ten.teb.2023.0320, featured in https://www.eurekalert.org/news-releases/1038311

72. Dan Wang†, Dai Fei Elmer Ker*†, Ka Wai Ng, Ke Li, Burhan Gharaibeh, Marc Safran, **Emilie Cheung**, Phil Campbell, Lee Weiss and **Yunzhi Peter Yang**. A Mechanically-Graded and Growth Factor-Biopatterned Strategy for Spatial Control of Bone-Tendon Multi-Tissue Regeneration. *NPG Materials Asia* (2021) 13:26; https://doi.org/10.1038/s41427-021-00294-z

73. Dai Fei Elmer, Ker, Dan Wang, Anthony William, Behn, Evelyna Tsi Hsin, Wang, Xu Zhang, Benjamin Yamin, Zhou, Ángel Enrique, Mercado-Pagán, Sungwoo Kim, Burhan, Gharaibeh, Yaser, Shanjani, Nelson, Drew, Marc, Safran, Emilie V., Cheung, Phil, Campbell, and **Yunzhi Peter Yang**. Functionally-Graded, Bone- and Tendon-Like Polyurethane for Rotator Cuff Repair, *Advanced Functional Materials*. 2018 May;28(20). pii: 1707107. **(PMCID: PMC5959293)**

74. Nguyen CT, Lee MH, Kaufman MW, Meng Y, Koduri JA, Abrams G, **Cheung EV**, Freehill MT, Roh EY. Minimally invasive needle tenotomy vs. platelet rich plasma injection in the treatment of chronic elbow epicondylitis. JSES Int. 2024 Aug 28;9(1):231-236. doi: 10.1016/j.jseint.2024.08.183. eCollection 2025 Jan. PMID: 39898191

75. Mastrocola M, Cheung E. Doxycycline sclerotherapy for recurrent acromioclavicular joint cyst: A case report. J Shoulder Elbow Surg. 2025 Oct 17:S1058-2746(25)00746-3. doi: 10.1016/j.jse.2025.09.002. PMID: 41110820

76. ICM Study Group. Proceedings from the 2025 International Consensus Meeting on Orthopedic Infections: Prevention of Periprosthetic Shoulder Infection. J Shoulder Elbow Surg. In press.
77. Ruiz M, Cheung EV. *Utility of Extended Reality in Shoulder Arthroplasty: A Meta-Analysis of Training Efficiency and Glenoid Guidewire Accuracy*. J Shoulder Elbow Arthoplasty. In press.

3. Book Chapters

1. Zelicoff S, Mertemezedeh A, **Cheung EV**. (2000). Osteonecrosis of the Knee. In: SS Leopold, JD Mabrey, AD Rosenberg, and ST Woolson (eds.), The Arthritic Knee CD-ROM, Rosemont, IL: American Academy of Orthopedic Surgeons.

2. **Cheung EV**, Katti D, Laurencin CT, Sampath K. Review of State of the Art: Factor-Based Systems for Bone Graft Substitute. In: CT Laurencin (ed.), Bone Graft Substitutes: A Multi-disciplinary Perspective ©2003, pp. 174-193. New York, NY: ASTM Publications International.

3. Dryer J, **Cheung EV**. Lumbar Fusion (Deformity): Hook Patterns for the Preservation of Lumbar Lordosis. In: TR Haher, AA Merola (eds.), Surgical Techniques for the Spine ©2003 pp. 195-197. New York, NY: Thieme Medical Publishers.

4. **Cheung EV,** Steinmann SP. Periprosthetic Humerus Fractures. Advanced Techniques in Shoulder and Elbow Surgery. American Academy of Orthopedic Surgeons, Rosemont, IL. ©2007, pp 351-7.

5. **Cheung EV**, Steinmann SP. Rotational Flaps for Rotator Cuff Repair. Master Techniques in Orthopedic Surgery: Soft Tissue Surgery. Lippincott Williams and Wilkins, Philadelphia, PA. ©2008, pp 101-114.

6. **Cheung EV,** Yamaguchi K**,** Morrey BF. Chapter 62: Treatment of Infected Total Elbow Arthroplasty, The Elbow and its Disorders 4th ed, Saunders, ©2008, pp 862-872.

7. **Cheung EV,** Steinmann SP. Surgical Approaches to the Elbow for Trauma, Master Techniques in Orthopedic Surgery: Soft Tissue Surgery. Lippincott Williams and Wilkins, Philadelphia, PA. ©2008, pp 115-128.

8. **Cheung EV,** Steinmann SP. Chapter 20: Fractures of the Coronoid. American Society for Surgery of the Hand. ©2008, pp 305-314.

9. Krogsgaard M, Safran M, **Cheung E**, Rheinlaender P: Preventing Shoulder Injuries. In Bahr R, Engebretsen L (eds**):** The Olympic Handbook of Sports Medicine and Science: Sports Injury Prevention., Blackwell Publishers, Oxford, England, ©2008

10. **Cheung E**, Safran, M.R.: Arthroscopic Glenohumeral Debridement / Capsular Release. In: Cole B, and Gomoll A (eds): Biologic Joint Reconstruction: Alternatives to Joint Arthroplasty. Slack Publishers, Thorofare, New Jersey, ©2009, pp 253 – 260

11. **Cheung E**, Safran, M.R.: Debridement Chondroplasty and Soft Tissue Releases. In Dines, D., Williams G. Jr, and Laurencin, C (eds): Arthritis and Arthroplasty: The Shoulder. Elsevier Publishers, Philadelphia, PA, ©2009, pp 15 – 22

12. **Cheung EV**, Steinmann SP. Prosthetic Arthroplasty in Shoulder Dysplasia. Revision and Complex Shoulder Arthroplasty. Lippincott Williams & Wilkins. Edited by Cofield and Sperling. ©2009, pp 284-287.

13. **Cheung EV**, Yamaguchi K, Morrey BF. Treatment of periprosthetic infection of the elbow. The Elbow and its disorders. 4th edition. Saunders © 2010

14. **Cheung EV**, Morrey BF. Chapter 20: The infected total elbow arthroplasty. Joint Replacement Arthroplasty, 4th ed. Lippincott Williams and Wilkins, ©2011. pp 181-193.

15. **Cheung EV**. Shoulder arthroplasty for post-traumatic conditions and osteonecrosis. AAOS Monograph: Shoulder Arthroplasty. Edited by Sanchez-Sotelo. ©2012.

16. **Cheung EV**, Shu B, Sperling JW. Shoulder arthroplasty in the young, active patient. AAOS Monograph: Shoulder Arthroplasty. Edited by Sanchez-Sotelo. ©2012.

17. **Cheung EV**, Safran M. Surgical Treatment of Posterolateral Instability of the Elbow. Surgical Techniques of the Shoulder, Elbow, and Knee in Sports Medicine, 2nd ed. Edited by Cole and Sekiya. Elsevier © 2013

18. **Cheung EV**, Bragg W, Safran M. Diagnosis and Management of Neurovascular Disorders About the Shoulder in the Athlete. Disorders of the Shoulder, 3rd ed. Edited by Iannotti, Miniaci, Williams, and Zuckerman. LWW ©2013 ISBN/ISSN. 9781451191608

19. **Cheung EV**, Rightmire E, Safran MR: Surgical Treatment of Posterolateral Instability of the Elbow. In: Cole BJ, Sekiya JK (eds): Surgical Techniques of the Shoulder, Elbow and Knee in Sports Medicine. Elsevier / Saunders, Philadelphia, PA, © 2013, pp 499 – 508.

20. **Cheung EV**, Costouros J, Safran M. Arthroscopic treatment of the arthritic shoulder. OKU 4: Shoulder and Elbow. AAOS publications. © 2014 ISBN: 9780892039555

21. Comer G, **Cheung EV.** Operative Techniques in Orthopedic Surgery. Chapter 57: Total elbow arthroplasty for osteoarthritis. © 2016

22. **Cheung EV**, Yamaguchi K, Morrey BF. Treatment of periprosthetic infection of the elbow. The Elbow and its Disorders, 5th edition. Saunders © 2018 pp 942-950.

23. **Cheung EV., Kha S** TEA for Osteoarthritis of the Elbow**.** *Resident's Guide to Shoulder and Elbow Surgery* (Editors: Murthi, Chebli). Springer © 2023

24. **Cheung EV**, Trivedi N. Adhesive capsulitis. **Cheung EV**, AAOS COMPREHENSIVE ORTHOPAEDIC REVIEW, 4E. Wolters © 2023

25. **Cheung EV**, Catalan-Martinez, N. Treatment of periprosthetic infection of the elbow. The Elbow and its Disorders, 6th edition. Saunders © 2024

26. **Cheung EV,** Sholtis C. Injectable Treatments for Glenohumeral joint Osteoarthritis. Rockwood and Matsen's The Shoulder © 2025

6. Invited Scientific Presentations

1. **Cheung EV** and Tidball JG. (May 1996). American College of Sports Medicine Annual Meeting, "Ibuprofen Inhibits Muscle Fiber Invasion by Macrophages During Increased Muscle Loading", Med Sci Sports Exerc, Supp. Vol 28(5):S153.
2. **Cheung EV**. New York Medical College Deans' Medical Student Research Forum, November 10, 1996: "Ibuprofen Inhibits Muscle Fiber Invasion by Macrophages During Increased Muscle Loading".
3. **Cheung EV**. Lecture at the Cooper Union School of Engineering, Biomechanics Course. New York, NY. January 30, 1999. "The Mechanical Properties of Bone".
4. **Cheung EV**. Lecture at the Cooper Union School of Engineering, Biomechanics Course. New York, NY. April 29, 1999. "Common Metals Used in Orthopedic Surgery".
5. **Cheung EV**. New York Medical College Deans' Medical Student Research Forum, May 11, 1999: "A Biomechanical Analysis of Thoracic Pedicle Screw Placement: The Intrapedicular vs. the Extrapedicular Approach".
6. Haher T, Merola A, Morgenstern W, **Cheung EV**, and Eng AYM. Scoliosis Research Society Annual Meeting, September 1999: "An Anatomic and Biomechanical Study of Thoracic Pedicle Screw Placement". Department of Orthopedics Biomechanics Laboratory, St. Vincent's Hospital and Medical Center, New York, NY.

7. Haher TR, Merola A, Eng AYM, **Cheung EV**, Caruso S, and Davis J. American Spinal Injury Association Annual Meeting, April 2000: "Mechanical Analysis of Pedicle Screw Deformation in a Posterior Spinal Construct", Department of Orthopedics Biomechanics Laboratory, St. Vincent's Hospital and Medical Center, New York, NY.
8. **Cheung EV**, Bezwada H, Palma D, and Lazarus M. Pennsylvania Orthopedic Society Scientific Meeting, November 2002: "Immediate Range of Motion Following Distal Biceps Repair", Department of Orthopedic Surgery, Drexel ccUniversity School of Medicine and Thomas Jefferson University, Philadelphia, PA. First Place Award in Resident/Fellow Competition .
9. Khan YY, **Cheung EV**, and Laurencin CT. Orthopedic Research Society Annual Meeting, Febuary 2003: "Novel Polymer/Ceramic Composite Microsphere-Based Matrices for Bone Tissue Engineering: Processing Effects on Calcium Phosphate Composition", School of Biomedical Engineering and Department of Orthopedic Surgery, Drexel University, Philadelphia, PA
10. Bezwada H, Neubauer P, **Cheung EV**, Hankins S, Harding S, Baker J, Israelite C, and Johanson N. AAOS Annual Scientific Meeting, March 2003: "Periprosthetic Supracondylar Femur Fractures Following Total Knee Arthroplasty", Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA
11. **Cheung EV**, Palma D, and Lazarus M. Department of Orthopedics, Drexel University, Annual Resident's Research Forum, May 2003: "Immediate Range of Motion Following Distal Biceps Repair", Department of Orthopedic Surgery, Drexel University School of Medicine and Thomas Jefferson University, Philadelphia, PA.
12. McCarthy JJ, **Cheung EV**, and Kozin SH. Pediatric Orthopedic Society of North America, May 2003: "The use of distraction for the treatment of recurrent/neglected radial dysplasia: preliminary results comparing ulnar osteotomy versus correction of the wrist", Shriners Hospital for Children and Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.

13. McCarthy JJ, **Cheung EV**, and Kozin SH. Limb Lengthening and Reconstruction Society, July 2003: "Recurrent and neglected radial dysplasia: defining the deformity", Shriners Hospital for Children and Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.

14. McCarthy JJ, **Cheung EV**, and Kozin SH. American Society for Surgery of the Hand, October 2003: "The use of distraction for the treatment of recurrent/neglected radial dysplasia: preliminary results comparing ulnar osteotomy versus correction of the wrist", Shriners Hospital for Children and Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.

15. **Cheung E**, Betz R, Cerrone J, and D'Andrea L. Department of Orthopedics, Drexel University, Annual Resident's Research Forum, May 2004: "Surgical Treatment versus Natural History of Congenital Scoliosis in Patients with Fused

Ribs", Shriners Hospital for Children and Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.
Third Place Award.

16. **Cheung EV**, Guille JT, Betz R, Cerrone J, and D'Andrea L. Scoliosis Research Society Annual Meeting, September 2004: "Natural History and Results of Surgical Treatment of Congenital Scoliosis in Patients with Fused Ribs", Shriners Hospital for Children and Dept of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.
17. **Cheung EV**, Lazarus M, and Taranta M. Eastern Orthopedic Association, October 2004: "Immediate Range of Motion Following Distal Biceps Repair", Department of Orthopedic Surgery, Drexel University School of Medicine, and the Rothman Institute, Thomas Jefferson University, Philadelphia, PA.
18. **Cheung EV**, Betz R, Cerrone J, and D'Andrea L. Eastern Orthopedic Association, October 2004: "Natural History of Congenital Scoliosis in Patients with Fused Ribs", Shriners Hospital for Children and Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.
19. **Cheung EV**, Betz R, Cerrone J, and D'Andrea L. AAOS Annual Scientific Meeting, February 2005: "Natural History and Results of Surgical Treatment in Patients with Congenital Scoliosis and Fused Ribs," Shriners Hospital for Children and Department of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA.
20. McCarthy JJ, **Cheung EV**, and Kozin SH. Department of Orthopedics, Drexel University, Annual Resident's Research Forum, May 2005: "The use of distraction for the treatment of recurrent/neglected radial dysplasia: defining the deformity", Shriners Hospital for Children and Dept of Orthopedic Surgery, Drexel University School of Medicine, Philadelphia, PA. Second Place Award.
21. **Cheung EV**. "Glenoid Component Revision Surgery" Western Orthopedic Association Annual Meeting, October 2006.
22. **Cheung EV,** Sperling JW, Cofield RC. "Glenoid Component Revision for Loosening" European Shoulder and Elbow Annual Meeting, 2007.
23. **Cheung EV,** Sperling JW, Cofield RC. "Revision of Glenoid Components for Loosening After TSA." AAOS 2007.
24. **Cheung EV**. Sperling JW, Cofield RC. "Re-implantation of Glenoid Component After Prior Removal of Glenoid Component." AAOS 2007.
25. **Cheung EV,** Sperling JW, Cofield RC. "Long-Term Results of Open Anterior Instability Repair." AAOS 2007.
26. **Cheung EV**. "Dynamic Labral Shear Test for SLAP Tears." AAOS 2007.
27. **Cheung EV**. "Re-Implantation of TEA After Resection Arthroplasty for Infection." AAOS 2007.
28. **Cheung EV**. "Complications of External Fixator Placement About the Elbow." ASES open meeting February 17, 2007.
29. **Cheung EV**. "Primary osteoarthritis of the elbow" Stanford Department of orthopedic surgery Grand Rounds, November 2007.
30. **Cheung EV,** Sperling JW, Cofield RC. "Long-Term Results of Open Anterior Stabilization of the Shoulder." ASES open meeting February 17, 2007.

31. **Cheung EV.** "Shoulder Anatomy, and Anatomical Disssection of the Shoulder." Stanford Department of Orthopaedic Surgery, Core Lecture and Lab. July 2007.
32. **Cheung EV**. "ORIF vs. Hemiarthroplasty for Proximal humeral fractures." Western Orthopedic Association N. California Chapter Meeting, November 2007.
33. **Cheung EV**. "Infection Associated with Hematoma Formation After Shoulder Arthroplasty." Musculoskeletal Infection Society Annual Scientific Meeting, August, 2007.
34. **Cheung EV**. "Rotator Cuff Tears: Current Trends for Treatment." Stanford Department of Orthopaedic Surgery, Grand Rounds, March 26, 2007.
35. **Cheung EV.** "Treatment of Rotator Cuff Tears and Physical Exam of the Shoulder." Stanford Physical Medicine & Rehabilitation Residency Program, Core Lecture Series, April 2008.
36. **Cheung EV.** "Physical Exam of the Elbow." Doctors Demystify Lecture Series for Physical Therapists, April 2008.
37. **Cheung EV**. "Dynamic Labral Shear Test for Diagnosis of SLAP Tears." Western Orthopedic Association annual meeting, August 2008.
38. **Cheung EV**, Sperling JW, Cofield RC. "Infection and Hematoma Formation after Shoulder Arthroplasty." European Shoulder and Elbow Annual Meeting, 2008.
39. **Cheung EV.** "Surgical Approaches to the Shoulder, and Anatomical Disssection of the Shoulder." Stanford Department of Orthopaedic Surgery, Core Lecture. July 2008.
40. **Cheung EV**. "Lateral elbow instability" Association of Clinical Elbow and Shoulder Surgeons Annual Meeting, Oct 2008.
41. **Cheung EV.** "Shoulder and Elbow Trauma", Stanford Department of Orthopaedic Surgery, Core Lecture. May 2009.
42. **Cheung EV.** "Surgical Approaches to the Shoulder, and Anatomical Disssection of the Shoulder." Stanford Department of Orthopaedic Surgery, Core Lecture and Lab. July 2009.
43. **Cheung EV.** Reverse Total Shoulder Arthroplasty. Stanford Department of Orthopaedic Surgery Grand Rounds, Oct 2009.
44. **Cheung EV**. "Biologic augmentation of rotator cuff repair" Association of Clinical Elbow and Shoulder Surgeons Annual Meeting, Nov 2009.
45. **Cheung EV.** "Elbow Arthroplasty", Stanford Department of Orthopaedic Surgery, Core Lecture. Nov 2009.

46. **Cheung EV.** "Management of Proximal Humeral Malunion/Nonunion." Northern California Western Orthopedic Association Meeting, April 9-11, 2010.
47. **Cheung EV.** "Surgical Approaches to the Shoulder, and Anatomical Disssection of the Shoulder." Stanford Department of Orthopaedic Surgery, Core Lecture and Lab. July 2010.
48. **Cheung EV. "**Complications after shoulder arthroplasty," Stanford Department of Orthopaedic Surgery Grand Rounds, Oct 2010.

49. **Cheung EV**. "Surgical anatomy of the elbow" AAOS/ASES Elbow Reconstruction, Arthroscopy and Arthroplasty meeting at the Orthopedic Learning Center, Rosemont, IL, Oct 2010.
50. **Cheung EV**. "Olecranon fractures" AAOS/ASES Elbow Reconstruction, Arthroscopy and Arthroplasty Meeting at the Orthopedic Learning Center, Rosemont, IL, Oct 2010.
51. **Cheung EV**. "Linked total elbow arthroplasty" Association of Clinical Elbow and Shoulder Surgeons Annual Meeting, Nov 2010.
52. **Cheung EV.** "Shoulder Arthroplasty", Stanford Department of Orthopaedic Surgery, Core Lecture. Dec 2010.
53. **Cheung EV.** "Shoulder Reheb in Tennis," Society for Tennis Medicine and Science (STMS) Annual Congress Meeting. San Jose, CA. February 13, 2011.
54. **Cheung EV.** "Shoulder Biomechanics," Stanford Department of Orthopaedic Surgery Core Lecture, March 2011.
55. Abrams GE, **Cheung EV**, Safran MA. "Biomechanical evaluation of a novel reconstruction method for AC joint." Podium presentation, AAOS/ORS 2012.
56. Fleager K, **Cheung EV**. "The anconeus slide for treatment of posterior wound complications about the elbow." Poster presentation at AAOS 2012.
57. Abrams G, **Cheung EV**, Safran M. "Biomechanical evaluation of screw-subchondral distance and medial calcar support in proximal humeral fractures." Podium presentation, ASES Specialty day 2012.
58. Humerus fractures: proximal to distal. Stanford Orthopedic Surgery Grand Rounds, March 7, 2012.
59. Olecranon fractures ASHT annual meeting March 11, 2012.
60. Biceps, triceps, and PRUJ injuries, ASHT annual meeting, March 11, 2012.
61. Complex elbow trauma. ASHT annual meeting, March 11, 2012.
62. Abrams G, **Cheung EV**, Safran M. "Biomechanical evaluation of screw-subchondral distance and medial calcar support in proximal humeral fractures." WOA poster June 2012.
63. Abrams G, **Cheung EV**, Safran M. "Biomechanical evaluation of screw-subchondral distance and medial calcar support in proximal humeral fractures." Podium presentation, ASES specialty day at AAOS 2012.
64. Abrams G, **Cheung EV**, Safran M. "Biomechanical evaluation of screw-subchondral distance and medial calcar support in proximal humeral fractures." Podium presentation at Biennial AAOS/ASES Shoulder and Elbow Meeting May 3-5, 2012.
65. Abrams G, Bellino M, **Cheung EV**. "Heterotopic ossification after surgical fixation of intra-articular elbow fractures." Podium presentation at Biennial AAOS/ASES Shoulder and Elbow Meeting May 3-5, 2012.
66. Abrams G, Bellino M, **Cheung EV**. "Heterotopic ossification after surgical fixation of intra-articular elbow fractures." Podium presentation at WOA annual Meeting June 2012.
67. "The arthritic shoulder in a young patient: Conservative Treatment and prevention" Instructional Course Lecture at AAOS annual meeting Feb 2012.

68. Abrams GD, McGarry MH, Jain NS, Freehill MT, Shin SJ, **Cheung EV**, Lee TQ, Safran MR "Biomechanical evaluation of a coracoclavicular and acromioclacicular ligament reconstruction technique utilizing a single continuous intramedullary free tendon graft. ISAKOS Annual Meeting May12-16 2012.
69. Abrams G, Bellino M, **Cheung EV**. "Heterotopic ossification after surgical fixation of intra-articular elbow fractures." Podium presentation at ASES Specialty day at AAOS, 2013.
70. "The arthritic shoulder in a young patient: Conservative Treatment and prevention" Instructional Course Lecture at AAOS annual meeting, Chicago, March 2013.
71. "Elbow Trauma: Preventing Complications and how to treat them" Symposium at AAOS annual meeting, Chicago, March 2013.
72. "Elbow anatomy" Core lecture and lab for summer anatomy series with Stanford Orthopedic residents and medical students.
73. "Coronoid Fractures" ASSH/AAOS Advanced Techniques in Elbow Surgery: Open and Arthroscopic at the Orthopedic Learning Center, Rosemont, IL. August 2013.
74. **Cheung EV**, Sin AT. "Cost effective analysis of reverse total shoulder arthroplasty for treatment of massive rotator cuff tears" American Shoulder Elbow Society Annual Meeting. Las Vegas, NV Oct 2013.
75. Ker, D.F.E. l, Behn, A.l, Mercado-Pagan, A.E. l, Kim, S. l, Zhou, B.l, Weiss, L.E. 2, Campbell, P.G. 3, **Cheung, EV**. 1, Safran, M.1, Maloney, W.J. 1, Yang, Y. Growth-Factor Immobilized, Mechanically-Graded Polymers That Mimic the Bone-Tendon Interface for Rotator Cuff Repair. Bone-Tec 2013, Singapore, Dec 15-19, 2013.
76. AAOS Annual Meeting – Moderator of Scientific Session on Rotator Cuff and Arthroplasty. New Orleans, LA, March 2014.
77. Tendon transfers: what is the current role. Hot topics in shoulder surgery symposium at AAOS Annual Meeting. New Orleans, LA, March 2014.
78. Managing complications of elbow arthroplasty. Elbow arthroplasty: lessons learned from the past and new directions for the future. ICL at AAOS Annual Meeting. New Orleans, LA, March 2014.
79. Key steps to improve outcomes and minimize complications in Primary TSA. Shoulder arthroplasty ICL at AAOS Annual Meeting. New Orleans, LA, March 2014.
80. Reverse total shoulder arthroplasty complications: new frontiers. California Orthopedic Association Annual Meeting, Monterey, CA, May 2014
81. Moderator of Shoulder Section at California Orthopedic Association Annual Meeting, Monterey, CA, May 2014.
82. Wang T, Abrams GA, **Cheung EV**. "Biomechanical evaluation of posteriorly augmented glenoid components". Podium presentation at Western Orthopedic Association Annual Meeting, Hawaii, July 2014.
83. Moderator of Elbow Trauma Section at Association of Clinical Elbow Shoulder Surgeons Annual Meeting, Hawaii, August 2014.

84. **Cheung EV.** International Congress of Joint Replacement. Las Vegas, Nov 2014.
85. Wang E, Ker E, Behn A, **Cheung EV**. "Novel tendon Graft for Rotator Cuff Repair". Stanford Bio-X Undergraduate summer research program, August 2014
86. Wang T, Abrams GA, **Cheung EV**. "Eccentric reaming is superior to posteriorly augment glenoid component- biomechanical study". Podium presentation at Closed American Shoulder Elbow Society Meeting, Pinehurst 2014
87. Cheung EV. "Shoulder arthroplasty core lecture" Stanford University Orthopedic Surgery core lecture series 2014
88. Grand Rounds Lecture, UC Irvine Department of Orthopedic Surgery, Irvine, CA. "Advances in shoulder arthroplasty," December 8, 2014
89. Wang T, Abrams GA, **Cheung EV**. "Biomechanical evaluation of posteriorly augmented glenoid components". California Orthopedic Association Annual Meeting, Palm Desert, April 15, 2015. Lloyd W. Taylor, M.D. Resident Award 2015
90. Cheung EV. "Elbow arthroplasty, What's new" California Orthopedic Association Annual Meeting, Palm Desert, April 15, 2015.
91. Wang T, Abrams GA, **Cheung EV**. "Eccentric reaming is superior to posteriorly augment glenoid component- biomechanical study". Podium presentation at AAOS annual scientific meeting, Las Vegas 2015.
92. Wang T, Abrams GA, **Cheung EV**. "Eccentric reaming is superior to posteriorly augment glenoid component- biomechanical study". Orthopedic Research Society scientific meeting, Las Vegas 2015.
93. **Cheung EV**. "How to improve outcomes and avoid complications in total shoulder arthroplasty." Instructional Course Lecture at AAOS. Las Vegas, 2015.
94. **Cheung EV**. "Complications of shoulder arthroplasty" Stanford University Orthopedic Surgery Grand rounds 2-13-15
95. **Cheung EV**. Arthroplasty for proximal humerual fractures. Western Orthopedic Association annual scientific meeting. Coeur D'Alene, ID July 2015
96. **Cheung EV**, Saadi P, Jones R, Hamilton M. Comparison of "Ideal" vs Clinical Glenoid Placement in total shoulder arthroplasty. Western Orthopedic Association annual scientific meeting. Coeur D'Alene, ID July 2015.
97. **Cheung EV.** Computer navigation and PSI in TSA. International Congress of Joint Replacement. Las Vegas, Nov 3-5, 2016
98. **Cheung EV.** Rotator cuff repair with and without Acromiplaslty and with and without distal clavicle excision. International Congress of Joint Replacement. Las Vegas, Nov 3-5, 2016
99. **Cheung EV.** Clavicle Fractures: what's the evidence for ORIF? San Diego Shoulder Institute, June 17, 2017
100. **Cheung EV.** Codman's Paradox: what do we learn from success and failure? Codman Society. June 17, 2017
101. **Cheung EV.** Codman's Paradox: what do we learn from success and failure? Stanford Orthopedic Surgery Grand Rounds. Nov 22, 2017
102. Sun L, **Cheung EV et al.** Erector Spine Plane Block for total shoulder arthroplasty avoids phrenic nerve complication: A randomized Trial" Regional

Anesthesiology and Acute Pain Meeting - Best of Meeting-Resident/Fellow Travel Award. San Francisco, CA. April 2020.

103. Gerber,LM, **Cheung EV et al.** for a prospective randomized study work entitled " *10 ml Normal saline Washout Aliquots are insufficient to reliably reverse phrenic blockade from interscalene nerve block* " Regional Anesthesiology and Acute Pain Meeting - Best of Meeting-Resident/Fellow Travel Award. San Francisco, CA. April 2020.
104. Roche C, **Cheung EV et al.** Two To Seven Year Clinical And Radiographic Outcomes Of A Hybrid Cage Glenoid In Anatomic Total Shoulder Arthroplasty. AAOS 2021
105. **Cheung EV**, Morrey BF, O'Driscoll S. Elbow Trauma- What would the masters do? ASES Annual meeting 2021 Tampa, FL
106. **Cheung EV.** Adhesive Capsulitis and Calcific Tendinitis. San Diego Shoulder Annual Meeting 2022
107. **Cheung EV.** Intact Cuff OA >75 yo: Pro-TSA Debate. San Diego Shoulder Annual Meeting 2022
108. **Cheung EV.** Leadership Training in Orthopedics. Stanford Orthopedic Surgery Grand Rounds. Nov 7, 2022
109. Mayo Clinic Comprehensive Shoulder Elbow Course, Scottsdale, AZ , Feb 2-4, 2023. Lecture titles:
    -Subscapularis Repair in Shoulder Arthroplasty.
    -Nonarthroplasty Management of Elbow Arthritis.
    -Lateral Epicondylitis- from biologics to surgery.
    -Anatomic TSA in 75 yo w OA (not RTSA).
    -Instability in RTSA.
110. CT-Based 3-Dimensional Planning, Patient-Specific Instrumentation, and Intraoperative Guidance in Shoulder Arthroplasty: How and When to Utilize the Technology. AAOS Annual Meeting Instructional Course Lecture 182. Las Vegas, March 7, 2023
111. Adhesive Capsulitis. San Diego Shoulder Annual Meeting 2022
112. Subscapularis repair in RTSA: the evidence is there! San Diego Shoulder Annual Meeting 2022
113. **Cheung EV.** Shoulder arthroplasty case presentations. ACESS Annual Meeting, Aspen, CO. July 29, 2023
114. **Cheung EV.** Leadership Training in Orthopedics. ACESS Annual Meeting, Aspen, CO. July 29, 2023
115. **Cheung EV.** Elbow Arthroplasty cases, moderator. ASES Annual Meeting, Scottsdale, AR. Oct 8, 2023
116. **Cheung EV.** RTSA Instability and proximal humeral bone loss. ASES Annual Meeting, Scottsdale, AR. Oct 8, 2023
117. Definitions and Classifications: Controversies and Confusion (Pseudoparalysis vs pseudoparesis. Neer vs AO. Hamada vs Favard) Internation Congresss Shoulder Elbow Surg, Rome, IT Sept 5, 2023
118. **Cheung EV.** How I Tension RTSA: Intraop assessment. ASAP Meeting, Snowbird, UT. Jan 19, 2024

119. **Cheung EV.** Not ready for surgery: PRP, Viscosupplementation and Stem Cells. ASAP Meeting, Snowbird, UT. Jan 18, 2024
120. **Cheung EV.** ICL 268: Diagnosis and Previention of PJI of the Shoulder. AAOS Annual Meeting, San Francisco, CA. Feb 13, 2024.
121. **Cheung EV.** Shoulder Arthroplasty Case Presentations Moderator: ASES Specialty Day. San Francisco, CA. Feb 15, 2024.
122. Humeral reconstruction- the case for the tumor prosthesis. San Diego Shoulder, June 2024
123. Humeral reconstruction- the case for the tumor prosthesis. San Diego Shoulder, June 2024
124. Subscapularis in RTSA. San Diego Shoulder, June 2024
125. What I've learned in practice. Fellow's Symposium. San Diego Shoulder, June 2024
126. 4-part Proxiaml humeral fractures, Moderator. OSET, Las Vegas, NV. Sept 2024
127. Proxiaml humeral fractures, deltopec vs deltoid-split. OSET, Las Vegas, NV. Sept 2024
128. Picking the right RTSA. OSET, Las Vegas, NV. Sept 2024
129. Classic ATSA. OSET, Las Vegas, NV Sept 2024
130. Elbow Instability, Orthopedic Learning Center, Rosemont, IL. Nov 2024
131. Prolonged antibiotic prophylaxis, International Concensus Meeting for Musculoskeletal Infection. Istanbul, Turkey. April 2025
132. The Failed RTSA, Moderator. ACESS Meeting, Stevenson, WA. Aug 2025
133. Complex PHF case presentations. ACESS Meeting, Stevenson, WA. Aug 2025
134. Elbow Sports/Soft tissue paper session, Moderator, ASES Annual Meeting, San Diego, CA, Oct 2025.
135. Leadership Development, Moderator, Special Interest Group, ASES Annual Meeting, San Diego, CA, Oct 2025.
136. Mentorship, Special Interest Group, ASES Annual Meeting, San Diego, CA, Oct 2025.

8. Ongoing Teaching Activities

- Full-time academic faculty at Stanford University Department of Orthopedic Surgery since 2006. I have trained over 130 residents, and over 23 fellows so far
- Weekly didactic lecture and case conferences with residents and fellows for Shoulder/Elbow Division indications, M&M conferences, anatomy labs, journal clubs, arthroscopy and open shoulder and elbow labs
- Moderator for AAOS scientific podium sessions 2009 - present
- Faculty member at Surgical Skills labs for Shoulder Arthroscopy at AAOS annual meetings
- Faculty member at ASES educational meetings at the AAOS Orthopedic Learning Center, Rosemont, IL, 2006-present

- Invited Faculty member and lab instructor at San Diego Shoulder Institute, San Diego, CA, 2017-2024
- Volunteer, SheHeroes Silicon Valley, 2017
- Course Chair, ASES Resident and Fellow's Course, 2021-2024
- Exactech Masters Course Faculty 2014-2021
- Stryker Shoulder Fracture Course Faculty 2021
- Zimmer Biomet Masters Course in Shoulder and Sports Surgery 2023-24
- Depuy Shoulder Arthroplasty and Sports Faculty 2024-25
- SIGN Fracture Surgery Outreach in Phnom Penh Hospital, Kossamark, Cambodia, April 2024
- Boy Scouts of America, Board of Review 2024, Merit Badge Counselor for First Aid 2023-24

9. Manuscript Reviewer:

1. Contributor, Yearbook of Hand an Upper Extremity Surgery
2. Reviewer, Clinical Orthopedics Related Research
3. Reviewer, Journal of Shoulder and Elbow Surgery, 2006-present
4. Reviewer, Journal of Bone and Joint Surgery, American, and British
5. Reviewer, AAOS Multi-media
6. Reviewer, JSES and JSES International
7. Associate Editor, JSES Seminars in Arthroplasty