

Emilie V. Cheung, MD

A. Employment History

9/1/12 - Current	Associate
9/1/06-8/31/2012	Assistant Professor of Orthopaedic Surgery Stanford University, Stanford, CA.
9/1/06-2016	Chief of Shoulder and Elbow Service, Department of Orthopaedic Surgery, Stanford University, Stanford, CA.
2006-2012	Assistant Professor of Orthopaedic Surgery, Stanford University

Academic History

1. Universities Attended

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

2. Post-Doctoral and Residency 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
Passed both 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
- 2013 Stanford University Department of Orthopedic Surgery Research Founders Day Award, Primary Investigator for resident: William Bragg, MD
- 2014 Lloyd W. Taylor, M.D. Resident Award 2015. PI for Wang T, Abrams GA, **Cheung EV**. "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

C. Post-Degree Committee/Academic Activities

- 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/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
- 2016-present Stanford University Medical School Admissions Committee
- 2017-present Member, Codman Shoulder Society
- 2017 Invited Faculty to San Diego Shoulder Institute

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. Funding Total: \$121,742. 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.

Current funding:

1. An Open Label, Multi-Center, Retrospective and Prospective Evaluation of Shoulder Arthroplasty - Clinical and Radiographic Outcomes. Industry funded by Exachtech. Principal investigator. 2014-2019.
2. Pyrocarbon IDE Study. Principal investigator.
Year(s) of funding: 05/25/2016-12/31/2020

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-Moore 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. **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
6. **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
7. **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
8. **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):e15-6. Epub 2007 Mar 28; PMID: 17391990

9. **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
10. **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.
11. **Cheung EV**. Chronic Lateral Elbow Instability. *Orthop Clin North Am* 39 (April 2008) 39(2):221-8, vi-vii. PMID: 18374812.
12. **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.
13. **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.
14. **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.
15. **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.
16. **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.
17. **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.
18. 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)
19. 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)

20. **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
21. **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
22. 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.
23. 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
24. Abrams GD, McGarry MH, Jain NS, Freehill MT, Shin SJ, **Cheung EV**, Lee TQ, Safran MR. Biomechanical evaluation of a coracoclavicular and acromioclavicular 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.
25. 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
26. 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.
27. 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.000000000000051
28. 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.
29. 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.

30. 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.
31. **Cheung EV**, Sarkissian EJ. Complications of Elbow Trauma. *Hand Clin*. 2015 Nov 31(4):683-91. doi: 10.1016/j.hcl.2015.06.012
32. 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.
33. 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. doi: 10.3928/01477447-20160926-06. Epub 2016 Sep 30. DOI: 10.3928/01477447-20160926-06 PMID: 27684078
34. 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. doi: 10.2106/JBJS.16.01387. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)
35. 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. doi:10.1007/s11999.0000000000000270. PubMed PMID: 29601384. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)
36. **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 Jun 19. pii: S1058-2746(18)30300-8. doi: 10.1016/j.jse.2018.04.015. [Epub ahead of print] PubMed PMID: 29934280.
37. 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. doi: 10.1007/s11999.0000000000000270. PubMed PMID: 29601384. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)
38. Simovitch RW, 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. doi: 10.2106/JBJS.16.01387. PubMed PMID: 29088034. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data, and in writing the manuscript)

39. 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). pii: 1707107. doi: 10.1002/adfm.201707107. Epub 2018 Mar 30. PubMed PMID: 29785178; PubMed Central PMCID: PMC5959293. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data)
40. 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.* 2019 Jun 15;59:46-48. doi: 10.1016/j.jclinane.2019.06.022. [Epub ahead of print] PubMed PMID: 31212125. (Dr. Cheung's role was in the acquisition of data, the interpretation of the data)

2. Peer reviewed Reviews/Commentaries:

1. 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)
2. **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
3. **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
4. **Cheung EV**. "Fractures of the Capitellum." *Hand Clin.* (Nov. 2007); 23(4):481-6, vii. PMID:18054675
5. Steinmann SP, **Cheung EV**. Treatment of Periprosthetic Humerus Fractures Associated with Shoulder Arthroplasty. *J Am Acad Orthop Surg.* (April 2008) 16(4):199-207.
6. **Cheung EV**. Locked Plating for Proximal Humerus Fractures. *Current Orthopaedic Practice*, (Sept/Oct 2008); Vol. 19, No. 5.

7. **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
8. **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)
9. **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
10. **Cheung EV**, Safran M. Arthroscopic Rotator Cuff Repair – Traditional Anchor Techniques. *Operative Techniques in Sports Medicine* 2012 Sept;20(3):213-219
11. 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.
12. **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
13. 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.

3. Book Chapters

1. Zelicoff S, Mertemzedeh 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 Hafer, 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 ppp942-950.

6. 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. Haheer 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. Haheer 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 University 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, February 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 Dissection 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 Dissection 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 Dissection 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 Dissection 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 Rehab 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 acromioclavicular 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. 1, Behn, A.I, Mercado-Pagan, A.E. I, Kim, S. I, Zhou, B.I, 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. **Cheung EV**. International Congress of Joint Replacement. Las Vegas, Nov 2014.
86. Wang E, Ker E, Behn A, **Cheung EV**. "Novel tendon Graft for Rotator Cuff Repair". Stanford Bio-X Undergraduate summer research program, August 2014
87. 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
88. Cheung EV. "Shoulder arthroplasty core lecture" Stanford University Orthopedic Surgery core lecture series 2014
89. Grand Rounds Lecture, UC Irvine Department of Orthopedic Surgery, Irvine, CA. "Advances in shoulder arthroplasty," December 8, 2014
90. 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
91. Cheung EV. "Elbow arthroplasty, What's new" California Orthopedic Association Annual Meeting, Palm Desert, April 15, 2015.
92. 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.
93. 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.
94. **Cheung EV**. "How to improve outcomes and avoid complications in total shoulder arthroplasty." Instructional Course Lecture at AAOS. Las Vegas, 2015.
95. **Cheung EV**. "Complications of shoulder arthroplasty" Stanford University Orthopedic Surgery Grand rounds 2-13-15
96. **Cheung EV**. Arthroplasty for proximal humeral fractures. Western Orthopedic Association annual scientific meeting. Coeur D'Alene, ID July 2015

97. **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.
98. **Cheung EV**. Computer navigation and PSI in TSA. International Congress of Joint Replacement. Las Vegas, Nov 3-5, 2016
99. **Cheung EV**. Rotator cuff repair with and without Acromioplasty and with and without distal clavicle excision. International Congress of Joint Replacement. Las Vegas, Nov 3-5, 2016
100. **Cheung EV**. Clavicle Fractures: what’s the evidence for ORIF? San Diego Shoulder Institute, June 17, 2017
101. **Cheung EV**. Codman’s Paradox: case presentations, what do we learn from success and failure. Codman Society. June 17, 2017
102. **Cheung EV**. Codman’s Paradox: case presentations, what do we learn from success and failure. Stanford Grand Rounds. Nov 22, 2017
103. Low BMI as a predictor for inferior outcomes after RTSA. Edward Wu, Anna Ramakrisnan, Emilie Cheung. Western Orthopedic Association. Monterey, CA. Aug 2, 2019
- 104.

8. Ongoing Academic Activities

- Full-time academic faculty at Stanford University Department of Orthopedic Surgery
- Weekly didactic lecture series with residents/fellows at Shoulder/Elbow Conference, indications conferences, regular resident anatomy labs, journal clubs, regular resident arthroscopy labs
- Moderator for AAOS scientific podium sessions 2009 - present
- Member, American Shoulder Elbow Society
- Faculty member at Surgical Skills labs for Shoulder Arthroscopy at AAOS annual meetings
- Faculty member at ASES and ASSH educational meetings at the AAOS Orthopedic Learning Center, Rosemont, IL
- Faculty member at San Diego Shoulder Institute, San Diego, CA
- Volunteer, SheHeroes Silicon Valley

- Ongoing Research:

1. Prospective Multi-center study of the RSP
2. Management of shoulder contractures due to obstetrical brachial plexopathy with arthroscopic release and latissimus transfer
3. Ker, D.F.E., Behn, A.W., Wang, E.T.H., Zhou, B.Y. Mercado-Pagán, A.E., Kim, S., Wang, D., Gharaibeh, B., Shanjani, Y., Nelson, D., Safran, M., **Cheung, E.V.**, Campbell, P.G., Weiss, L.E. and Yang, Y. (2015) ‘Reduction of stress concentration and spatial control of osteoblast and tenocyte differentiation in a mechanically-graded, growth factor-biopatterned bone- and tendon-like biomaterial’ (Submitted to Biomaterials)
4. Prospective multicenter study of the Equinox shoulder prosthesis

5. "Influence of Patient Gender and Age on Outcomes after Reverse Shoulder Arthroplasty" accepted to CORR

9. Manuscript Reviewer:

1. Contributor, Yearbook of Hand and Upper Extremity Surgery
2. Reviewer, Clinical Orthopedics Related Research
3. Reviewer, Journal of Shoulder and Elbow Surgery
4. Reviewer, Journal of Bone and Joint Surgery, American, and British
5. Reviewer, AAOS Multi-media