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University of Colorado School of Medicine
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ACADEMIC APPOINTMENTS

Professor

Chief of Sports Medicine and Shoulder Surgery
Department of Orthopedics
University of Colorado School of Medicine

Associate Professor

Chief of Sports Medicine and Shoulder Surgery
Department of Orthopedics
University of Colorado School of Medicine

Associate Professor Adjunct

Department of Integrative Physiology
University of Colorado, Boulder

Director of Sports Medicine
University of Colorado Department of Athletics

Head Team Physician
University of Colorado

Head Orthopedic Team Physician
University of Denver

Head Team Physician
Colorado Avalanche Hockey Club

Fellowship Director
University of Colorado Orthopedic Sports Medicine

EDUCATION AND TRAINING

1998-99

The Hospital for Special Surgery, New York, NY
Fellowship in Sports Medicine and Shoulder Surgery

1993-1998

Vanderbilt University Medical Center, Nashville, TN
Internship and Residency in Orthopedic Surgery

1989-1993 University of Colorado School of Medicine, Denver, CO
(M.D. with Honors)

1983-1988 University of Colorado, Boulder, CO
(B.S. - Kinesiology, Cum Laude)

FACULTY POSITIONS

July 2020 - Present Professor
Chief, Sports Medicine and Shoulder Surgery Department of
Orthopaedics, University of Colorado School of Medicine Aurora,
Colorado

January 2011- Present Associate Professor Adjunct
Department of Integrative Physiology University of Colorado,
Boulder-Boulder, Colorado

July 2003- July 2020 Associate Professor
Chief, Sports Medicine and Shoulder Surgery Department of
Orthopaedics, University of Colorado School of Medicine Aurora,
Colorado

August 1999 – June 2003 Assistant Professor
Department of Orthopaedics and Rehabilitation Vanderbilt
University School of Medicine Nashville, Tennessee

HONORS AND AWARDS

PROFESSIONAL

2000-2001 Mid-America Orthopaedic Association Traveling Fellowship

2004 American Orthopaedic Society for Sports Medicine European
Traveling Fellowship

2004, 2006, 2007, 2008, Top Doctors in Denver, *Sports Medicine*, 5280 Magazine
2009, 2010, 2011, 2012,
2013, 2014, 2015, 2016,
2018

2005 Cabaud Memorial Award, national award given by American
Orthopaedic Society for Sports Medicine for best clinically
relevant hypothesis driven basic science research

2010 CUSPY Student Athlete Support Award, given to Sports Medicine
by the University of Colorado athletes for the services and
dedication given to the athletes

2011 Neer Award, national award given by American Shoulder and
Elbow Surgeons for outstanding clinical research relating to the
shoulder, *Effectiveness of Physical Therapy in Treating
Atraumatic Full Thickness Rotator Cuff Tears. A Multi-Center*

Prospective Cohort Study

2011	AAOS Achievement Award, recognition for participation and volunteer work for the American Academy of Orthopaedic Surgeons
2012	Colorado Biz Magazine, Best Doctor for Executives, named <i>Best Sports Medicine Doctor</i>
2012	Kappa Delta Award, national award given by American Academy of Orthopaedic Surgeons for outstanding research in orthopedics, <i>Prognosis and Predictors of ACL Reconstructions using the MOON Cohort: A Model for Comparative Effectiveness Studies</i>
2012	Aircast Award for Clinical Research, national award given by American Orthopaedic Society for Sports Medicine for best research by a fellow, <i>Biceps Tenotomy Versus Tenodesis in the Younger Active Patient Under Age 55: Is There a Difference in Strength and Outcomes?</i>
2013	Neer Award, national award given by American Shoulder and Elbow Surgeons for outstanding clinical research relating to the shoulder, <i>"Predictors of Success of Nonoperative Treatment for Full-Thickness Rotator Cuff Tears: A Multicenter Cohort Study."</i>
2013	Best Paper Award Shoulder Program 12th International Congress for Shoulder and Elbow Surgery, <i>"Defining Indications for Rotator Cuff Repair: Predictors of Failure of Nonoperative Treatment of Chronic, Symptomatic, Full-Thickness Rotator Cuff Tears."</i>
2014	Herodicus Award, national award given by American Orthopaedic Society for Sports Medicine for research in <i>"Meniscal Repair with Concurrent Anterior Cruciate Ligament Reconstruction: Operative Success and Patient Outcomes at 6-Year Follow-up."</i>
2015	Herodicus Award, national award given by American Orthopaedic Society for Sports Medicine for research in <i>"The Fate of Meniscus Tears Left in situ at the time of Anterior Cruciate Ligament Reconstruction: A 6-Year Follow-up Study from the MOON Cohort."</i>
2016	Jerry D. McMorris Community MVP Award at the 9 th Annual Colorado Coaches for Charity banquet. <i>Award given for above and beyond excellence, and compassion for patients.</i>
2017	O'Donoghue Sports Injury Research Award, given by American Orthopaedic Society for Sports Medicine for the paper titled <i>"10 Year Outcomes and Risk Factors after ACL reconstruction: A MOON Cohort Study"</i>
2019	Kappa Delta Award, national award given by American Academy of Orthopaedics Surgeons for outstanding research in orthopaedics <i>"Predictors of Clinical Outcomes Following Revision Anterior Cruciate Ligament Reconstruction."</i>
2019	Douglas W. Brown Award for Best Review Paper given by the

	Orthopaedic Journal of Sports Medicine for the most outstanding review paper that appeared in the Orthopaedic Journal of Sports Medicine in 2018 “Fixed-versus Adjustable-Loop Femoral Cortical Suspension Devices for Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis of Biomechanical Studies”
2024	Kappa Delta Award, national award given by American Academy of Orthopaedics Surgeons for outstanding research in orthopaedics <i>“Kappa Delta Ann Doner Vaughn Award Presented to MOON Shoulder Group for Determining Effectiveness of Physical Therapy for Patients With Atraumatic, Symptomatic Rotator Cuff Tears”</i>

RESIDENCY/MEDICAL SCHOOL

1990	Carbon Gillaspie Award - highest overall grade in gross anatomy
1990	American Federation of Clinical Research Award - for outstanding student research
1990-1991	University of Colorado School of Medicine Promotions Committee Commendation-in recognition of high academic achievement
1991	Louise Coulter Fellowship Award - for outstanding research in pulmonary medicine
1991	Chancellors Award for research in the Clinical Sciences - University of Colorado Health Sciences Student Research Forum
1992	Alpha Omega Alpha (Elected during Junior Year)
1993	Robert J. Glaser Award - for leadership and service to the senior class
1993	Adler Scholar Award-for scholarship and creativity in medicine
1998	Vanderbilt Orthopaedic Society’s Outstanding Resident Research Award

UNDERGRADUATE

1982	Gold Helmet Winner
1986-1987	Deans Scholarship
1986	Colorado Fellowship of Christian Athletes College Athlete of the Year
1987	First Team All - Big Eight Conference Linebacker
1984-1987	First Team Academic All - Big Eight Conference Fullback and Linebacker
1987	First Team Academic All - American Linebacker
1987	National Football Foundation and Hall of Fame Scholar Athlete Award - One of 11 awards given nationwide for academic excellence, athletic performance and display of leadership on the

	campus
1987	Derek Singleton Award - for football senior displaying greatest spirit, enthusiasm and dedication
1987	Jacob Van Ek Award - for football senior excelling in academics and athletics
1987	Don Faurot Award - given at Blue-Gray All Star Football Classic to player that typifies a spirit of leadership, loyalty, sportsmanship, competitiveness, teamwork, dependability and a genuine concern for others
1988	Undergraduate research opportunities program grant
1988	Van Ek Award - "highest honor given to a student in the arts and sciences" for excellence in the classroom with significant contribution to the university and/or community

MEMBERSHIPS

American Academy of Orthopaedic Surgeons
 American College of Sports Medicine
 American Shoulder and Elbow Surgeons
 Alpha Omega Alpha
 American Orthopaedic Society for Sports Medicine
 Arthroscopy Association of North America
 Christian Medical and Dental Association
 European Society of Sports Traumatology, Knee Surgery & Arthroscopy
 Herodicus Society
 International Cartilage Repair Society
 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Magellan Society
 Mid-America Orthopaedic Association
 Western Orthopaedic Association
 American Shoulder and Elbow Surgeons

ACTIVITIES

1989	Coached and played American football for the Bergamo Lions, an American football team in the Italian professional football league, Spring
1989-1993	School of Medicine Alumni Association Board Member
1990-1991	Campus co-leader for Christian Medical and Dental Society chapter
1993	Responsible for organizing and directing Hepatitis B Vaccinations

	for class of 1993
1991-1993	Director of career and residency day for third year medical students
1994-1997	Adult leader for Vanderbilt University Fellowship of Christian Athletes
1994-1997	Mentor for Vanderbilt football mentor program
1998	Sports Medicine Fellow for New York Giants football team
1999-2003	Team Physician, Vanderbilt University Athletic Teams
2000-2003	Consulting Team Physician, Belmont University Athletic Teams
2000-2003	Volunteer Orthopaedist for Siloam Family Health Center
2001	Medical Station Team Captain for Music City Marathon, Nashville, TN, 2000-2001 Official Physician for Iroquois Steeplechase Horse Race, Nashville, TN
2003-2004	Mentoring Program, AOSSM
2003-present	Head Team Orthopedist, University of Denver Athletic Teams
2003-present	Head Team Physician, University of Colorado Athletic Teams
2007	Camp Physician, Young Life Castaway Camp, Minnesota
2009	Camp Physician, Kanakuk Kamp, Branson, Missouri
2012-present	Head Team Physician, Boulder High School Athletics
2017-present	Head Team Physician and Medical Director, Colorado Avalanche Hockey Club
2018-2019	Mentoring Program, ASES

LEADERSHIP BOARDS

2002-2003	Board of Directors, Fellowship of Christian Athletes-Nashville/Middle Tennessee
2006-2008	Board of Directors, Member at Large Under age 45, American Orthopaedic Society for Sports Medicine
2012 – 2018	Board of Directors, Boulder Valley Lacrosse
2016-present	Board of Directors, Fellowship of Christian Athletes, Boulder County
2008-present	Executive Board, Boulder Surgery Center
2014-present	Governance Board, CU Sports Medicine and Performance Center
2017-2020	Board of Directors, Chair of Council of Delegates, American Orthopaedic Society for Sports Medicine

HOST TRAVELING FELLOWS

2005	AOSSM/ESSKA Traveling Fellowship
2008-2009	AOSSM/SLARD Traveling Fellowship
2011	AOA Association of Southeast Asian Nations Traveling Fellowship
2012	AOSSM/ESSKA Traveling Fellowship
2017	AANA Traveling Fellowship
2018	AOSSM-SLARD Traveling Fellowship Exchange

COMMITTEES

2000-2004	Internet Committee, American Orthopaedic Society for Sports Medicine
2004-2006	Technology Committee, American Orthopaedic Society for Sports Medicine
2004-2007	Technology Committee, American Orthopaedic Society for Sports Medicine Chair of Committee
2003-2005	Communications Committee, International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine
2005-2011	Communications Committee, International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Deputy Chair of Committee
2011-2013	Communications Committee, International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Chair of Committee
2004-2005	Educational Curriculum Ad Hoc Committee, American Orthopaedic Society for Sports Medicine
2004-2010	Educational Subcommittee for Orthopaedic Sports Medicine Review Self-Assessment Curriculum, American Orthopaedic Society for Sports Medicine
2006-2009	Promotions Committee, University of Colorado Health Sciences Center Advisory Board
2006-2010	Rocky Mountain Shoulder & Elbow Society
2007-2013	Traveling Fellowship Committee, American Orthopaedic Society for Sports Medicine
2010-2013	Traveling Fellowship Committee, American Orthopaedic Society for Sports Medicine Chair of Committee
2008-2009	Nominating Committee, American Orthopaedic Society for Sports Medicine
2008-2012	CME Courses Committee, American Academy of Orthopedic Surgeons
2010-2013	Program Committee, International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine

2012-2015	Membership Committee, Arthroscopy Association of North America
2012-2016	Hall of Fame Committee, American Orthopaedic Society for Sports Medicine
2013-2014	Nominating Committee, American Orthopaedic Society for Sports Medicine
2013-2014	Open Meeting Program Committee, American Shoulder and Elbow Surgeons
2013-2018	Membership Committee, American Orthopaedic Society for Sports Medicine
2011-2020	Council of Delegates, American Orthopaedic Society for Sports Medicine
2017-2020	Nominating Committee, American Orthopaedic Society for Sports Medicine
2017-2020	Chair of Council of Delegates, American Orthopaedic Society for Sports Medicine
2015-2020	Accreditation Task Force, American Orthopedic Society for Sports Medicine
2018-2020	NHL Protective Equipment Subcommittee
2021	Chair of Council of Delegates, AOSSM
2021	ISAKOS, Shoulder Committee
2021, 2022, 2023	AOSSM, Treasurer

REVIEWER FOR SCIENTIFIC JOURNALS

2001-present	American Journal of Sports Medicine
2002	British Journal of Sports Medicine
2012-present	Journal of Shoulder and Elbow Surgeons
2012-present	Journal of Bone & Joint Surgery
2014-present	Hospital of Special Surgery Journal

EDITORIAL BOARD

2001-2004	Sports Medicine Digest
2002-2010	Techniques in Knee Surgery
2003-2009	Journal of Knee Surgery
2003-present	Journal of Knee Orthopaedics
2011-present	American Journal of Sports Medicine
2011-2014	Journal of Bone & Joint Surgery Sports Medicine Newsletter

GUEST EDITOR

2005	Clinics in Sports Medicine, Osteoarthritis
2017	Clinics in Sports Medicine, Articular Cartilage

COMMENCEMENT SPEECHES

1995 June	Boulder High School Graduation Commencement Address Speaker, Boulder, Colorado
2010 May	University of Colorado Department of Integrative Physiology Graduation Commencement Speaker
2014 June	Boulder High School Graduation Commencement Address Speaker, Boulder, Colorado
2015 December	University of Colorado Department of Integrative Physiology Graduation Commencement Speaker

SPECIAL INTERESTS

Public speaking to various community groups on topics including anti-drug, injury prevention leadership and motivational talks.

Other interests include; photography, reading, hiking, mountain climbing, skiing, cycling, mountain biking, weight-lifting, rock climbing, and traveling (particularly overseas)

BIBLIOGRAPHY ARTICLES PUBLISHED (314)

1. Leff JA, Oppegard MA, Terada LS, **McCarty EC**, Repine JE: Human serum catalase decreases endothelial cell injury from hydrogen peroxide. *Journal of Applied Physiology*, 71(5):1903-1906, 1991.
2. Leff JA, Oppegard MA, **McCarty EC**, Wilke CP, Shanley PF, Day CE, Ahmed NK, Patton LM, Repine JE. Dimethyl sulfoxide decreases lung neutrophil sequestration and lung leak. *Journal of Laboratory and Clinical Medicine*, 120:282-289, 1992.
3. Myers, AM, **McCarty E**, Abernathy C, Moore GE: Breast cancer in a male with human immunodeficiency virus infection. *AIDS*, 6(10):1218-1220, 1992.
4. Klekamp J, **McCarty E**, Spengler, DM: Results of elective discectomy for patients involved in the workers' compensation system. *Journal of Spinal Disorders*, 11(4):277-282, 1998.
5. Wolinsky, PR, **McCarty EC**, and Johnson, KD. Length of operative procedures: Reamed femoral intramedullary nailing performed with and without a fracture table. *Journal of Orthopaedic Trauma*, 12(7):485-495, 1998.
6. Wolinsky, PR, **McCarty EC**, Shyr, Johnson, KD Reamed intramedullary nailing of the femur: 551 cases. *Journal of Trauma*, 46(3):392-399, 1999.
7. **McCarty EC**, Mencio, GA, and Green, NE Analgesia and Anesthesia for the ambulatory management fractures in children. *Journal of the American Academy of*

- Orthopaedic Surgeons*, 7(2):81-91, 1999.
8. **McCarty EC**, Tsairis, P, Warren, RF Brachial Neuritis. *Clinical Orthopaedics and Related Research*, 368:37-43, 1999.
 9. Anderson, KA, **McCarty EC**, Warren, RF Thermal Capsulorrhaphy: Where are we today? *Sports Medicine and Arthroscopy Review*, 7:117-127, 1999.
 10. Edkin, B.S., **McCarty EC**, Flanagan, JFK, Spindler, KP. Analgesia with Femoral Nerve Block for Anterior Cruciate Ligament Reconstruction. *Clinical Orthopaedics and Related Research*, 369:289-295, 1999.
 11. **McCarty EC**, Mencio, GA, Walker, LA, and Green NE. Ketamine sedation for the reduction of children's fractures in the Emergency Department. *Journal of Bone and Joint Surgery*, 82-A (7):912-918, 2000.
 12. **McCarty EC**, Marx, RG, and TL Wickiewicz. Meniscal tears in the athlete: Operative and nonoperative management. *Physical Medicine and Rehabilitation Clinics of North America*, 11(4):867-880, 2000.
 13. Sperling, J.W., Anderson, K., **McCarty EC**, and Warren RF. Thermal Shrinkage: Indications and Surgical Technique. *Sports Medicine and Arthroscopy Review*, 8:260-264, 2000.
 14. **McCarty EC**, E. Tingstad, Y. Shyr, M. Higgins, and Spindler KP. Does intraarticular morphine improve pain control with femoral nerve block after ACL reconstruction? *American Journal of Sports Medicine*, 29(3):327 – 332, 2001.
 15. Marx, RG, **McCarty EC**, Montermurno TD, Altchek DW, Craig EV, and Warren RF. Development of arthrosis following dislocation of the shoulder: A case control study. *Journal of Shoulder and Elbow Surgery*, 11(1):1-5, 2002.
 16. **McCarty EC**, Marx RG, and DeHaven KE. Meniscus repair: Considerations in treatment and update of clinical results. *Clinical Orthopaedics and Related Research*, 402:122-143, 2002.
 17. Fox JA and **McCarty EC**, Fresh osteochondral allografts. *Seminars in Arthroplasty*. 13(2):118-125, 2002.
 18. Holt G.E. and **McCarty EC** Anterior hip dislocation with an associated vascular injury requiring amputation. *The Journal of Trauma*. 55(1):135-8, 2003.
 19. Spindler K.P., **McCarty EC**, Warren TA, Devin C and Connor JT. Prospective Comparison of Arthroscopic Medial Meniscus Repair Technique: Inside-Out Suture Vs. Entirely Arthroscopic Arrows. *American Journal of Sports Medicine*. 31: 929-934, 2003.
 20. **McCarty EC**. An Improved Treatment Regimen? *Orthopedic Technology Review*. 5(6): 33, 2003.
 21. Warren TA, **McCarty EC**, Richardson AL, Michener T and Spindler KP. Intra-articular Knee Temperature Changes: Ice Versus Cryotherapy Device. *American Journal of Sports Medicine* 32: 441-445, 2004.
 22. Glenn RE, Spindler KP, Warren TA, and **McCarty EC**. Cryotherapy decreases intraarticular temperature after ACL reconstruction. *Clinical Orthopaedics and Related Research*, Apr (421):268-72, 2004.
 23. Glattes RC, Spindler KP, Blanchard GM, Rohmiller MT, **McCarty EC**, Block J. A Simple, Accurate Method to Confirm Placement of Intra-articular Knee Injection. *American*

- Journal of Sports Medicine*; 32(4):1029-31, 2004.
24. **McCarty EC**, Warren R.F., Deng X-H., Craig E.V., and Potter HG. Temperature along the axillary nerve during radiofrequency-induced thermal capsular shrinkage. *American Journal of Sports Medicine*, 32(4):909-14, 2004.
 25. Ritchie P.K., and **McCarty EC** Distal clavicle fractures: a current review. *Current Opinion in Orthopaedics*, 15:257-260, 2004.
 26. **McCarty EC**, Ritchie P.K., Gill H.S., and McFarland EG. Shoulder Instability: Return to play. *Clinics in Sports Medicine*, 23:335-351, 2004.
 27. Dunn W.R., Wolf B.R., Amendola A., Andrish J.T., Kaeding C., Marx R.G., **McCarty EC**, Parker R.D., Wright R.W., and Spindler KP. Multirater agreement of arthroscopic meniscal lesions. *American Journal of Sports Medicine*. 32(8):1937-40, 2004.
 28. Ritchie P.K. and **McCarty EC** Metal and Plastic Suture Anchors for Rotator Cuff Repair. *Operative Techniques in Sports Medicine*. 12:215-220, 2004.
 29. **McCarty EC**, Osteoarthritis. *Clinics in Sports Medicine*. 24(1): xv-xvi, 2005.
 30. Ritchie P.K., and **McCarty EC** Surgical management of cartilage defects in athletes. *Clinics in Sports Medicine*. 24(1):163-74, 2005.
 31. Bowers A.L., Spindler K.P., **McCarty EC**, and S. Arrigain. Height, Weight, and BMI Predict Intra-articular Injuries Observed During ACL Reconstruction: Evaluation of 456 Cases From a Prospective ACL Database. *Clinical Journal of Sports Medicine*. 15(1):9-13, 2005.
 32. Kaeding C.C, Pedroza A.D., Parker R.D, Spindler K.P., **McCarty EC**, and Andrish JT. Intra-articular findings in the reconstructed multiligament-injured knee. *Arthroscopy*. 21(4):424-30, 2005.
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 34. Pepper M, Akuthota V, and **McCarty EC** The pathophysiology of stress fractures. *Clinical Journal of Sports Medicine*. 25(1):1-16, 2006.
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 36. Glenn R.E., **McCarty EC**, Potter H.G., Juliao S.F., Gordon J.D., and Spindler KP. Comparison of fresh osteochondral autografts and allografts: a canine model. *American Journal of Sports Medicine*. 34(7):1084-93, 2006.
 37. Swan K.G., Rabalais R.D., and **McCarty EC**. Osteochondral autograft plug transfer for cartilage lesions. *Techniques in Knee Surgery*. 5(3):149-157, 2006.
 38. Rabalais, R.D., and **McCarty EC**. Surgical treatment of symptomatic acromioclavicular joint problems: a systematic review. *Clinical Orthopaedics and Related Research*. 455:30-7, 2007.
 39. Kuhn J.E., Dunn W.R., Ma B., Wright R.W., Jones G., Spencer E.E., Wolf B., Safran M., Spindler K.P., **McCarty EC**, Kelly B., and Holloway B; Multicenter Orthopaedic Outcomes Network-Shoulder (MOON Shoulder Group). Interobserver agreement in the

- classification of rotator cuff tears. *American Journal of Sports Medicine*. 35(3):437-41, 2007.
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 41. Wright R.W., Dunn W.R., Amendola A., Andrish J.T., Flanigan D.C., Jones M. Kaeding C.C., Marx R.G., Matava M.J., **McCarty EC**, Parker R.D., Wolcott M., Wolf B.R., and Spindler KP; MOON Cohort. Anterior cruciate ligament revision reconstruction: two-year results from the MOON cohort. *Journal of Knee Surgery*, 20(4): 308-311, 2007.
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 43. Spencer E.E. Jr, Dunn W.R., Wright R.W., Wolf B.R., Spindler K.P., **McCarty E**, Ma C.B., Jones G., Safran M., Holloway G.B., and J.E. Kuhn; Shoulder Multicenter Orthopaedic Outcomes Network. Interobserver agreement in the classification of rotator cuff tears using magnetic resonance imaging. *American Journal of Sports Medicine*. 36(1):99-103, 2008.
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 45. Kerr B.J. and **McCarty EC**, Outcome of arthroscopic debridement is worse for patients with glenohumeral arthritis of both sides of the joint. *Clinical Orthopaedics and Related Research*. 466(3): 634- 638, 2008.
 46. Wright R.W., Preston E., Fleming B.C., Amendola A., Andrish J.T., Bergfeld J.A., Dunn W.R., Kaeding C., Kuhn J.E., Marx R.G., **McCarty EC**, Parker R.C., Spindler K.P., Wolcott M., Wolf B.R., and G.N. Williams. A systematic review of anterior cruciate ligament reconstruction rehabilitation: part I: continuous passive motion, early weight bearing, postoperative bracing, and home-based rehabilitation. *J Knee Surg*. Jul; 21(3):217- 224, 2008.
 47. Wright R.W., Preston E., Fleming B.C., Amendola A., Andrish J.T., Bergfeld J.A., Dunn W.R., Kaeding C., Kuhn J.E., Marx R.G., **McCarty EC**, Parker R.C., Spindler K.P., Wolcott M., Wolf B.R., and G.N. Williams. A systematic review of anterior cruciate ligament reconstruction rehabilitation: part II: open versus closed kinetic chain exercises, neuromuscular electrical stimulation, accelerated rehabilitation, and miscellaneous topics. *J Knee Surg*. Jul; 21(3):225-34, 2008.
 48. **McCarty EC**, Marx RG, Maerz D, Warren RF, and Altchek D. Sports Participation following Shoulder Replacement Surgery. *American Journal of Sports Medicine*, 36 (8): 1577 - 1581, 2008.
 49. Wolf, JM, **McCarty EC**, Ritchie PD. Triceps Reconstruction Using Hamstring Graft for Triceps Insufficiency or Recurrent Rupture. *Techniques in Hand & Upper Extremity Surgery* 12(3): 174-179, 2008.
 50. Poddar S.V. and **McCarty EC**. Citius, Altius, Fortius. *Orthopedics*. Dec; 31(12). Pii2008.

51. Honig, K., Vidal A., and **McCarty EC**. Microfracture. *Techniques in Knee Surgery*. 8 (1) 2009.
52. Toman CV, Dunn WR, Spindler KP, Amendola A, Andrish JT Bergfeld JA, Flanigan D, Jones MH, Kaeding CC, Marx RG, Matava MJ, **McCarty EC**, Parker RD, Wolcott M, Vidal A, Wolf BR, Huston LJ, Harrell FE Jr, Wright RW. Success of meniscal repair at anterior cruciate ligament reconstruction. *Am J Sports Med*. 37(6):1111-5, 2009.
53. Swan KG, Baldini T, **McCarty EC**. Arthroscopic suture material and knot type: an updated biomechanical analysis *Am J Sports Med*. 37(8):1578-85, 2009.
54. Fetzer GB, Spindler KP, Amendola A, Andrish JT Bergfeld JA, Dunn WR, Flanigan DC, Jones M, Kaeding CC, Marx RG, Matava MJ, **McCarty EC**, Parker RD, Wolcott M, Vidal A, Wolf BR, Wright RW. Potential market for new meniscus repair strategies: evaluation of the MOON cohort. *J Knee Surg*. 22(3):180-6, 2009.
55. **McCarty EC**, Poddar S, Oliviero J, McGee K, Baldea J, Langner P. Return to play after sports injuries. *Minerva Ortopedica e Traumatologica* 60(4):353-67, 2009.
56. Baldini T, Snyder RL, Peachner G, Bach J, **McCarty EC**. Strength of single- versus double- anchor repair of type II SLAP lesions: a cadaveric study. *Arthroscopy*. 25(11):1257-60, 2009.
57. Magnussen RA, Granan LP, Dunn WR, Amendola A, Andrish JT Brophy R, Carey JL, Flanigan D, Huston LJ, Jones M, Kaeding CC, **McCarty EC**, Marx RG, Matava MJ, Parker RD, Vidal A, Wolcott M, Wolf BR, Wright RW, Spindler KP, Engebretsen L. Cross-cultural comparison of patients undergoing ACL reconstruction in the United States and Norway. *Knee Surg Sports Traumatol Arthrosc*. 18(1):98-105, 2010.
58. Dunn WR, Spindler KP; **MOON Consortium**. Predictors of activity level 2 years after anterior cruciate ligament reconstruction (ACLR): a Multicenter Orthopaedic Outcomes Network (MOON) ACLR cohort study *American Journal of Sports Medicine* 38(10):2040- 50, 2010.
59. **MARS Group**, Wright RW, Huston LJ, Spindler KP, Dunn WR, Haas AK, Allen CR, Cooper DE, DeBerardino TM, Lantz BB, Mann BJ, Stuart MJ. Descriptive epidemiology of the Multicenter ACL Revision Study (MARS) cohort. *American Journal of Sports Medicine* 38(10):1979-86, 2010.
60. Dunn WR, Spindler KP, Amendola A, Andrish JT Kaeding CC, Marx RG, **McCarty EC**, Parker RD, Harrell FE Jr, An AQ, Wright RW, Brophy RH, Matava MJ, Flanigan DC, Huston LJ, Jones MH, Wolcott ML, Vidal AF, Wolf BR; MOON ACL Investigation. Which preoperative factors, including bone bruise, are associated with knee pain/symptoms at index anterior cruciate ligament reconstruction (ACLR)? A Multicenter Orthopaedic Outcomes Network (MOON) ACLR Cohort Study. *American Journal of Sports Medicine* Sep; 38(9):1778-87. 2010.
61. Swan KG, Leu A, **McCarty EC**. Septic Arthritis of the Acromioclavicular Joint in an Elite Ice Hockey Player. *Advances in Orthopaedics* 2(3):106–109, 2010.
62. CC Kaeding, B Aros, A Pedroza, E Pifel, A Amendola, JT Andrish, WR Dunn, RG Marx, **McCarty EC**, RD Parker, RW Wright, and KP Spindler. Allograft Versus Autograft Anterior Cruciate Ligament Reconstruction: Predictors of Failure From a MOON Prospective Longitudinal Cohort *Sports Health: A Multidisciplinary Approach* 3: 73 – 81, 2011.
63. Jia X, Yokota A, **McCarty EC**, Nicholson GP, Weber SC, McMahon PJ, Dunn W, E

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58. Is Hamstring Autograft Superior to Hybrid Autograft-Allograft-in Anterior Cruciate Ligament Reconstruction in Patients Younger than 40 Years? A Matched-Pair Comparison of Patient-Reported Outcomes. **McCarty EC**, 2016 Magellan Meeting, July 3-6, 2016.
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62. Invited Guest Speaker, 2016 Magellan Meeting, July 3-6, 2016, Is Hamstring Autograft Superior to Hybrid Autograft-Allograft- in Anterior Cruciate Ligament Reconstruction in Patients Younger than 40 Years? A Matched-Pair Comparison of Patient-Reported Outcomes
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64. Examining factors related to increasing concussion rates among US high school football players, 2005/06-2014/15. (Presentation). Currie DW, Kraeutler MJ, Pierpoint LA, **McCarty EC**, Comstock RD. American Public Health Association Annual Meeting & Exposition. Denver, CO. Oct-Nov 2016.
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66. Return to sport following arthroscopic repair of anterior, posterior, and combined shoulder instability. (Presentation). Kraeutler MJ, Aberle NS, Schrock JB, Brown CC, Ptasinski JJ, **McCarty EC**. American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. Mar 2017.
67. Variance in anterior cruciate ligament reconstruction graft selection based on patient demographics and location within the MOON Cohort. (E-Poster). Houck DA, Kraeutler

- MJ, Vidal AF, **McCarty EC**, Bravman JT, Wolcott ML. Arthroscopy Association of North America Annual Meeting. Denver, CO. May 2017.
68. The epidemiology of elbow injuries in US high school baseball and softball athletes: Does pitching style matter? (E-Poster). Pytiak AV, Currie DW, Kraeutler MJ, **McCarty EC**, Comstock RD. 11th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Congress. Shanghai, China. Jun 2017.
 69. Kraeutler MJ, Currie DW, Schrock JB, **McCarty EC**, Comstock RD. Concussion symptoms and symptom resolution time in US high school athletes, 2007/08-2014/15. (Presentation). American Orthopaedic Society for Sports Medicine Annual Meeting. Toronto, Ontario, Canada. Jul 2017.
 70. Current pain prescribing habits for common shoulder surgeries: A survey of the American Shoulder and Elbow Surgeons membership. (E-Poster). American Shoulder and Elbow Society Annual Closed Meeting. Welton KL, Kraeutler MJ, Vidal AF, **McCarty EC**, Bravman JT. New Orleans, LA. Oct 2017.
 71. Outcomes of ACL reconstruction with planned vs unplanned hybrid graft (E-Poster). Western Orthopaedic Association Annual Meeting. Axiball DP, Kraeutler MJ, Houck DA, Carver TJ, Wolcott ML, Bravman JT, Vidal AF, **McCarty EC**. Snowmass, CO. August 2018.
 72. Fixed- versus adjustable-loop devices for ACLR: A systematic review and meta-analysis. (Presentation). Houck DA, Kraeutler MJ, Sridhar BV, **McCarty EC**, Bravman JT. Western Orthopaedic Association Annual Meeting. Snowmass, CO. Aug 2018.
 73. Outcomes of Arthroscopic Capsular Release Based on Patient Position (Presentation). Western Orthopaedic Association Annual Meeting. Snowmass, CO. Houck DA, Belk JW, Seidl AJ, Vidal AF, **McCarty EC**, Bravman JT, Frank RM. August 2018.
 74. AC Joint: A 27-year-old recreational soccer player with a chronic Grade 3 AC separation that limits ability to play and condition. 20th AAOS/AOSSM/AANA Sports Medicine Course. Park City, UT. **McCarty EC**. January-February 2019. (Presentation).
 75. Clavicle Fractures: A 35-year-old snowboarder and mountain biker with mid-shaft clavicle fracture and a butterfly fragment – how I handle this and has the pendulum swung to operative treatment? 20th AAOS/AOSSM/AANA Sports Medicine Course. Park City, UT. **McCarty EC**. January-February 2019. (Presentation).
 76. The Locker Room: Getting Them Out There....Again! 20th AAOS/AOSSM/AANA Sports Medicine Course. Park City, UT. **McCarty EC**. January-February 2019. (Presentation).
 77. ACL Reconstruction with a Quad tendon vs Allograft: A failed ACL reconstruction in a 34-year-old attorney who plays golf. 20th AAOS/AOSSM/AANA Sports Medicine Course. Park City, UT. **McCarty EC**. January-February 2019. (Presentation).
 78. Clinical Outcomes Following Anterior Shoulder Stabilization in Overhead Athletes: An Analysis of the MOON Instability Cohort. Trinh TQ, Naimark M, Bedi A, Carpenter JE, Robbins CB, Baumgarten KM, Bishop JY, Bollier MJ, Bravman JT, Brophy RH, Cox CL, Feeley BT, Grant JA, Hettrich C, Jones GL, Kuhn JE, Marx RG, **McCarty EC**, Ortiz S, Smith MV, Wolf BR, Zhang A, Miller BS, MOON Shoulder Instability Group (Paper 031 Presentation) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
 79. The Single Assessment Numeric Evaluation (SANE) Significantly Correlates with Other Shoulder-Specific Quality-of-Life Scores. Barthman B, Bishop JY, Bollier MJ, Bravman JT, Brophy RH, Cox CL, Feeley BT, Grant JA, Hettrich C, Jones GL, Kuhn JE, Ma CB,

Marx RG, **McCarty EC**, Miller BS, Smith MV, Wolf BR, Wright RW, Zhang A, MOON Shoulder Instability Group (Paper 071 Presentation) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019

80. Multiple Ligament Knee Injuries – What Would You Do? TICKET Moderator: Miller MD, Amendola A, Edgar C, Fanelli GC, Johnson DL, Levy BA, Marx RG, **McCarty EC**, Moorman CT, Treme G, Werner BC. *Using a series of actual knee multiple ligament injury (MLI) cases, faculty members discuss treatment options for a variety of conditions to include open injuries, four ligament tears, obese MLI, and delayed presentation* (Instructional Course Lecture) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
81. Complex Meniscal and Articular Cartilage Cases – Scratching the Surface. Miller MD, Busconi BD, Bush-Joseph CA, DeBerardino TM, Edgar C, Johnson DL, Marx RG, **McCarty EC**, Moorman CT, Treme G, Werner BC. *Using a series of actual cases involving significant knee injuries involving meniscus and/or articular cartilage, treatment options from simple to complex are discussed and debated.* (Instructional Course Lecture) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
82. The Prevalence and Clinical Implications of Comorbid Back Pain for Those with Shoulder Instability: A Multicenter Orthopaedic Outcomes Network Shoulder Instability Cohort Study. Cronin KJ, Wolf BR, Magnuson JA, Jacobs C, Ortiz S, Baumgarten KM, Bishop JY, Bollier MJ, Bravman JT, Brophy RH, Cox CL, Feeley BT, Grant JA, Jones GL, Kuhn JE, Ma CB, Marx RG, **McCarty EC**, Miller BS, Seidl AJ, Smith MV, Wright RW, Zhang A, Hettrich C, MOON Shoulder Instability Group. Despite having similar radiographic and intraoperative findings, patients with comorbid back pain had more severe preoperative pain and self-reported symptoms of instability. (Paper 564 Presentation) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
83. Prediction of Location and Extent of Labral Tear Based on Preoperative Range of Motion in Patients Undergoing Arthroscopic Stabilization for Anterior Shoulder Instability. Dunn RH, Houck DA, Hettrich C, Ortiz S, Wolf BR, **McCarty EC**, Baumgarten KM, Bishop JY, Bollier MJ, Brophy RH, Cox CL, Feeley BT, Jones GL, Kuhn JE, Ma CB, Marx RG, Miller BS, Smith MV, Wright RW, Zhang A, Carpenter JE, Barlow JD, Seidl AJ, Grant JA, Bravman JT, MOON Shoulder. (Poster P0307) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
84. Primary Repair of the Anterior Cruciate Ligament: A Systematic Review of Clinical Outcomes. Houck DA, Kraeutler MJ, Belk JW, Mulcahey MK, Bravman JT, **McCarty EC**, Primary ACL repair has high failure rates in comparison to the rates of ACL reconstruction failure reported in the literature. (Poster P0428) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
85. Management of the Patient with Failed Shoulder Instability Procedures: A Treatment Algorithm. Joyce C, Dunn RH, Houck DA, Bravman JT, Seidl AJ, Vidal AF, **McCarty EC**, Wolcott M, Frank RM. *This exhibit gives a comprehensive review of the current techniques for failed shoulder instability procedures to help surgeons provide an evidence-based treatment algorithm.* (Scientific Exhibit SE42) AAOS 2019 Annual Meeting, Las Vegas, NV March 13-15, 2019
86. Management of Shoulder Instability in 2019 – Who, What, When, and How: A Case-Based Approach: "How – How Do We Manage This: Arthroscopic Stabilization is The Way to Go" (Symposium). **McCarty, EC**. American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV. March 2019.

87. Nutraceuticals, Powders and Wine – What Works to Keep Me in the Game (Specialty Day lecture). **McCarthy, EC** American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV. March 2019.
88. Fixed- Versus Adjustable-Loop Femoral Cortical Suspension Devices For Anterior Cruciate Ligament Reconstruction: A Systematic Review And Meta-Analysis Of Biomechanical Studies (E-Poster). Houck DA, Kraeutler MJ, **McCarthy EC**, Bravman JT. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
89. Do Older Skiers Have Worse Outcomes Following Anterior Cruciate Ligament Reconstruction Compared to Non-Skiers or Younger Skiers? (E-Poster). Schumacher AN, Houck DA, Vidal AF, Wolcott ML, **McCarthy EC**, Bravman JT, Frank RM. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
90. Treatment Of Lateral Epicondylitis with Autologous Blood, Platelet-Rich Plasma, Or Corticosteroid Injections: A Systematic Review of Overlapping Meta-Analyses (E-Poster). Houck DA, Kraeutler MJ, Thornton LT, **McCarthy EC**, Bravman JT. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
91. Return To Sport after Proximal Hamstring Tendon Repair: A Systematic Review (E-Poster). Belk JW, Kraeutler MJ, Houck DA, MulCahey M, **McCarthy EC**. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
92. Demographics and Clinical Outcomes of Patients Undergoing Anterior Cruciate Ligament Reconstruction with a Planned or Unplanned Hybrid Graft (E-Poster). Kraeutler MJ, Houck DA, Carver TJ, Bravman JT, Vidal AF, **McCarthy EC**. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
93. Knee Osteoarthritis after Single-Bundle versus Double-Bundle Anterior Cruciate Ligament Reconstruction: A Systematic Review of Randomized Controlled Trials (E-Poster). Belk JW, Kraeutler MJ, Houck DA, **McCarthy EC**. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
94. Knee Osteoarthritis after Single-Bundle versus Double-Bundle Anterior Cruciate Ligament Reconstruction: A Systematic Review of Randomized Controlled Trials (E-Poster). Belk JW, Kraeutler MJ, Houck DA, **McCarthy EC**. 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
95. Meniscal Repair with Concurrent Anterior Cruciate Ligament Reconstruction: Is ACL Graft Choice Predictive of Meniscal Repair Success? (Poster). Salem, H, Huston L, Zajichek A, Wolcott ML, **McCarthy EC**, Vidal A, Bravman JT, MOON Knee Group, Spindler K, Frank RM. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
96. Two-Stage Revision Anterior Cruciate Ligament Reconstruction: A Systematic Review of Bone Graft Options for Tunnel Augmentation (Poster). Salem H, Axibal D, Wolcott ML, Vidal A, **McCarthy EC**, Frank RM. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.

97. Do Older Skiers Have Worse Outcomes Following Anterior Cruciate Ligament Reconstruction Compared to Non-Skiers or Younger Skiers? (Poster). Schumacher AN, Houck DA, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Frank RM. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
98. The Decision to Not Return to Sport Following Anterior Cruciate Ligament Reconstruction: A Systematic Review of Qualitative Studies (Poster). Schumacher AN, Houck DA, Wolcott ML, **McCarty EC**, Vidal AF, Frank RM, Bravman JT. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
99. Sliding or Non-Sliding Arthroscopic Knots for Shoulder Procedures: A Systematic Review of Clinical Outcomes (Poster). Morrissey C, Houck DA, Jang E, **McCarty EC**, Bravman JT, Seidl AJ, Wolcott ML, Vidal AF, Frank RM. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
100. Sex-Based Differences in Recurrence Rates Following Arthroscopic Anterior Shoulder Stabilization: A Systematic Review (Poster). Cannizzaro CK, Schuette HB, Houck DA, Wolcott ML, **McCarty EC**, Bravman JT, Vidal AF, Frank RM. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
101. All-Inside Repair of Bucket-Handle Meniscus Tears: A Systematic Review of Clinical Outcomes and Prognostic Factors (Poster). Ardizzone CA, Houck DA, McCartney DW, **McCarty EC**, Frank RM. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
102. Comparison of Knotless Versus Traditional Glenoid Anchors in Early Outcomes Following Arthroscopic Shoulder Stabilization (Poster). Houck DA, Hart JA, Schumacher AN, Goode JA, **McCarty EC**, Seidl AJ, Hettrich CM, Wolf BR, MOON Shoulder Group, Bravman, JT. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
103. Qualitative Experience with Total Shoulder Arthroplasty: A Comparison to Total Hip and Total Knee Arthroplasty (Poster). Schumacher AN, Smith JR, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman JT. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
104. Staged Bilateral Total Shoulder Arthroplasty: A Systematic Review of Clinical Outcomes (Presentation). Smith JR, Houck DA, Vidal AF, Wolcott ML, Seidl AJ, Bravman JT, **McCarty EC**. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
105. Staged Bilateral Total Shoulder Arthroplasty: A Systematic Review of Clinical Outcomes (Presentation). Smith JR, Houck DA, Vidal AF, Wolcott ML, Seidl AJ, Bravman JT, **McCarty EC**. University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
106. Comparison of Knotless Versus Traditional Glenoid Anchors in Early Outcomes Following Arthroscopic Shoulder Stabilization. American Orthopaedic Society for Sports Medicine (AOSSM) Annual Meeting 2019. Boston, MA. Houck DA, Hart JA, Schumacher AN, **McCarty EC**, Seidl AJ, Hettrich CM, Wolf BR, MOON Shoulder Group, Bravman, JT. July 2019 (Presentation).
107. Meniscal Repair with Concurrent Anterior Cruciate Ligament Reconstruction: Is ACL Graft Choice Predictive of Meniscal Repair Success? (Poster). Salem H, Huston L, Zajichek A, Wolcott ML, **McCarty EC**, Vidal A, Bravman JT, MOON Knee Group, Spindler K, Frank RM. AOSSM Annual Meeting 2019. Boston, MA. July 2019.

108. Utilization of PROMIS (Patient-Reported Outcomes Measurement Information System) for Operative Shoulder Outcomes (Poster). Schwarz I, Smith JH, Houck DA, Frank RM, Seidl AJ, Wolcott ML, Bravman JT, **McCarty EC**. The Department of Medicine Research and Equity in Academic Medicine (DREAM) Program. Aurora, CO. July 2019
109. Cannizzaro CK, Schuette HB, Houck DA, Wolcott ML, Eric C **McCarty EC**, Bravman JT, Vidal AF, Frank RM. Sex-Based Differences in Recurrence Rates Following Arthroscopic Anterior Shoulder Stabilization: A Systematic Review (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
110. Smith JR, Houck DA, Vidal AF, Wolcott ML, Seidl AJ, Bravman JT, **McCarty EC**. Staged Bilateral Total Shoulder Arthroplasty: A Systematic Review of Clinical Outcomes (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
111. Morrissey C, Houck DA, Jang E, **McCarty EC**, Bravman JT, Seidl AJ, Wolcott ML, Vidal AF, Frank RM. Sliding or Non-Sliding Arthroscopic Knots for Shoulder Procedures: A Systematic Review of Clinical Outcomes (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
112. Ardizzone CA, Houck DA, McCartney DW, **McCarty EC**, Frank RM. All-Inside Repair of Bucket-Handle Meniscus Tears: A Systematic Review of Clinical Outcomes and Prognostic Factors (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
113. Salem H, Axibal D, Wolcott ML, Vidal AF, **McCarty EC**, Frank RM. Two-Stage Revision Anterior Cruciate Ligament Reconstruction: A Systematic Review of Bone Graft Options for Tunnel Augmentation (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
114. Schumacher AN, Smith JR, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman JT. A Qualitative Comparison on the Effect of Arthroplasty Operation Order (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
115. Schumacher AN, Smith JR, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman JT. Return to Activity Following Shoulder Arthroplasty Versus Lower Extremity Arthroplasty (Poster). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
116. Schumacher AN, Houck DA, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Frank RM. Anterior Cruciate Ligament Reconstruction Outcomes in Skiers Compared to Non-Skiers (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
117. Doan KC, Frank RM, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Seidl AS. Resident Involvement in Sports Medicine Surgeries (Presentation). Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
118. Sex-Based Differences in Recurrence Rates Following Arthroscopic Anterior Shoulder Stabilization: A Systematic Review (Presentation). Cannizzaro CK, Schuette HB, Houck DA, Wolcott ML, **McCarty EC**, Bravman JT, Vidal AF, Frank RM Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
119. Staged Bilateral Total Shoulder Arthroplasty: A Systematic Review of Clinical Outcomes (Presentation). Smith JR, Houck DA, Vidal AF, Wolcott ML, Seidl AJ, Bravman JT, **McCarty EC**. Western Orthopaedic Association Annual Meeting.

Monterey, CA. July-August 2019.

120. All-Inside Repair of Bucket-Handle Meniscus Tears: A Systematic Review of Clinical Outcomes and Prognostic Factors (Presentation). Ardizzone CA, Houck DA, McCartney DW, **McCarty EC**, Frank RM. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
121. Sliding or Non-Sliding Arthroscopic Knots for Shoulder Procedures: A Systematic Review of Clinical Outcomes (Presentation). Morrissey C, Houck DA, Jang E, **McCarty EC**, Bravman JT, Seidl AJ, Wolcott ML, Vidal AF, Frank RM. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
122. Two-Stage Revision Anterior Cruciate Ligament Reconstruction: A Systematic Review of Bone Graft Options for Tunnel Augmentation (Presentation). Salem H, Axibal D, Wolcott ML, Vidal AF, **McCarty EC**, Frank RM. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
123. Meniscal Repair with Concurrent Anterior Cruciate Ligament Reconstruction: Is ACL Graft Choice Predictive of Meniscal Repair Success? (Presentation). Salem H, Huston L, Zajichek A, Wolcott ML, **McCarty EC**, Vidal AF, Bravman JT, MOON Knee Group, Spindler K, Frank RM. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
124. A Qualitative Comparison of Shoulder Arthroplasty to Lower Extremity Arthroplasty (Presentation). Schumacher AN, Smith JR, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman JT. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
125. A Qualitative Comparison on the Effect of Arthroplasty Operation Order (Presentation). Schumacher AN, Smith JR, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman JT. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
126. Return to Activity Following Shoulder Arthroplasty Versus Lower Extremity Arthroplasty (Poster). Schumacher AN, Smith JR, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman JT. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
127. Anterior Cruciate Ligament Reconstruction Outcomes in Skiers Compared to Non-Skiers (Presentation). Schumacher AN, Houck DA, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Frank RM. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
128. Return to Sport Following ACL Reconstruction: A Qualitative Systematic Review (Poster). Schumacher AN, Houck DA, Wolcott ML, **McCarty EC**, Vidal AF, Frank RM, Bravman JT. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
129. Resident Involvement in Sports Medicine Surgeries (Presentation). Doan KC, Frank RM, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Seidl AS. Western Orthopaedic Association Annual Meeting. Monterey, CA. July-August 2019.
130. Cronin KJ, Wolf BR, Magnuson JA, Jacobs C, Ortiz SF, Baumgarten KM, Bishop JY, Bollier MJ, Bravman JT, Brophy RH, Cox CL, Feeley BT, Grant JA, Jones GL, Kuhn JE, Ma CB, Marx RG, **McCarty EC**, Miller BS, Seidl AJ, Smith MV, Wright RW, Zhang AL, Hettrich CM, MOON Shoulder Group. The Prevalence and Clinical Implications of Comorbid Back Pain for those with Shoulder Instability: A Multicenter Orthopaedic

Outcomes Network Shoulder Instability Cohort Study (Presentation). ICSES 2019. Buenos Aires, Argentina. September 2019.

131. The Prevalence and Clinical Implications of Comorbid Back Pain for those with Shoulder Instability: A Multicenter Orthopaedic Outcomes Network Shoulder Instability Cohort Study (Poster). Cronin KJ, Wolf BR, Magnuson JA, Jacobs C, Ortiz SF, Baumgarten KM, Bishop JY, Bollier MJ, Bravman JT, Brophy RH, Cox CL, Feeley BT, Grant JA, Jones GL, Kuhn JE, Ma CB, Marx RG, **McCarty EC**, Miller BS, Seidl AJ, Smith MV, Wright RW, Zhang AL, Hettrich CM, MOON Shoulder Group. ICSES 2019. Buenos Aires, Argentina. September 2019.
132. Anterior Cruciate Ligament Reconstruction Outcomes in Skiers Compared to Non-Skiers (Presentation). Schumacher AN, Houck DA, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Frank RM. Orthopaedic Summit 2019. Las Vegas, NV. December 2019.
133. Blood Glucose Levels in Diabetic Patients Following Intra-Articular Corticosteroid Injection of the Shoulder: A Pilot Study (Presentation). Barandiaran AF, Schumacher AN, Frank RM, **McCarty EC**, Bravman JT, Seidl AJ. Orthopaedic Summit 2019. Las Vegas, NV. December 2019.
134. Qualitative Experience with Total Shoulder Arthroplasty: A Comparison to Total Hip and Total Knee Arthroplasty (Presentation). Schumacher AN, Smith JH, **McCarty EC**, Vidal AF, Seidl AJ, Dayton MR, Hogan CA, Bravman, JT. Orthopaedic Summit 2019. Las Vegas, NV. December 2019.
135. Blood Glucose Levels in Diabetic Patients Following Intra-Articular Corticosteroid Injection of the Shoulder: A Pilot Study (Poster). Barandiaran AF, Schumacher AN, Frank RM, **McCarty EC**, Bravman JT, Seidl AJ. American Academy of Orthopaedic Surgeons (AAOS) 2020 Annual Meeting. Orlando, FL. March 2020.
136. Schwarz I, Houck DA, Belk JW, Hop J, Bravman JT, **McCarty EC**. How reliable is Dr. Google? A systematic review (E-Poster). University of Colorado School of Medicine Department of Medicine Research Day. Virtual Meeting. April 2021.
137. Houck DA, Verbeck IL, **McCarty EC**, Frank RM, Wolcott ML, Seidl AJ, Bravman JT. Real World Survey Burden of Common Patient-Reported Outcome Measures Utilized in Shoulder Surgery (Presentation). American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. August 2021.
138. Houck DA, Verbeck IL, **McCarty EC**, Frank RM, Wolcott ML, Seidl AJ, Bravman JT. Real World Survey Burden of Common Patient-Reported Outcome Measures Utilized in Shoulder Surgery (Presentation). American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. August 2021.
139. Barandiaran AF, Logterman SL, Frank RM, **McCarty EC**, Seidl AJ, Bravman JT. Incidence of Mechanical Falls and Sleep Disorders in Rotator Cuff Repair Patients. University of Colorado 3rd Annual Orthopedic Research Symposium & D'Ambrosia Diversity Lectureship. Hybrid Meeting. November 2021.
140. Schwarz I, Houck DA, Belk JW, Hop J, Bravman JT, **McCarty EC**. The quality and content of internet-based information on orthopedic sports medicine requires improvement: A systematic review. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.
141. Robinson AS, Ardizzone CA, Salem HS, Thon SG, **McCarty EC**, Barandiaran AF, Frank RM. Impact of Resident Involvement in Orthopedic Surgery on 30-Day Patient Outcomes: A Meta-Analysis. International Society of Arthroscopy, Knee Surgery and

- Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.
142. Schwarz I, Smith JH, Houck DA, Frank RM, Bravman JT, **McCarty EC**. Utilization of Patient-Reported Outcomes Measurement Information System (PROMIS) for Operative Shoulder Outcomes. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.
 143. Houck DA, Verbeck IL, Frank RM, **McCarty EC**, Bravman JT, Real World Survey Burden of Common Patient-Reported Outcomes Utilized in Shoulder Surgery. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.
 144. Schwarz I, Smith JH, Houck DA, Frank RM, Bravman JT, **McCarty EC**. Utilization of Patient-Reported Outcomes Measurement Information System (PROMIS) for Operative Shoulder Outcomes. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.
 145. Barandiaran AF, Schumacher AN, Frank RM, **McCarty EC**, Bravman JT, Seidl AJ. Blood Glucose Levels in Diabetic Patients Following Intra-Articular Corticosteroid Injection of the Shoulder: A Pilot Study. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.
 146. Barandiaran AF, Frank RM, Bravman JT, Seidl AJ, **McCarty EC**. Patient Reported Outcomes of Obstructive Sleep Apnea Patients Undergoing Rotator Cuff Repair. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Cape Town, South Africa. November 2021.

CONFERENCE FACULTY (301)

1. American Fracture Association's Annual Meeting, May 8-10, 1998, Nashville, Tennessee. *Ketamine sedation for the reduction of children's fractures in the Emergency Department.*
2. Sports Medicine for the Active and Athletic Child, May 8, 1999, New York, New York. Ankle injury, bracing and evaluation workshop.
3. Vanderbilt Orthopedic Society's Annual Meeting, April 6-9, 2000, Sea Island, Georgia. Program Chairman.
4. South Carolina Sports Medicine Symposium, June 16, 2000, Columbia, South Carolina. *Shoulder Instability.*
5. American Orthopaedic Society for Sports Medicine Annual Meeting, June 18th-21st, 2000, Sun Valley, Idaho. Instructional Course Lecture: Team physician approach to foot and ankle injuries. *The Painful Great Toe in the Athlete – "Turf Toe".*
6. Mid-South Society of Magnetic Resonance Fall Seminar, September 23, 2000, Nashville, Tennessee. *Knee and Shoulder Sports Injuries: MRI & Arthroscopic Correlation.*
7. Hospital for Special Surgery Alumni Association Annual Meeting, November 2-3, 2000, New York, New York. Symposium on ACL. *Do Allograft Reconstructions Work?*
8. SEC Sports Medicine Symposium, March 8-10, 2001, Nashville, Tennessee. *Turf Toe and Painful Great Toe.*
9. Pediatric Sports Medicine Workshop, March 31, 2001, Nashville, Tennessee. *Shoulder Injuries in the Pediatric Athlete.*

10. Tennessee Physical Therapy Association Spring Meeting, April 21, 2001, Nashville, Tennessee. *Shoulder Instability*.
11. Vanderbilt Orthopedic Society's Annual Meeting, May 3-4, 2001, San Antonio, Texas. *Shoulder Instability, Turf Toe and Painful Great Toe*.
12. Sports Physical Therapy Section and American Orthopaedic Society for Sports Medicine Annual Pre-Conference Program, June 27th, 2001, Keystone, Colorado. *Surgical Treatment Approach for Glenohumeral Instability*.
13. American Orthopaedic Society for Sports Medicine Annual Meeting, June 28th- July 1st, 2001, Keystone, Colorado. Instructional Course Lecture: Team physician approach to foot and ankle injuries. *The Painful Great Toe in the Athlete – "Turf Toe"*.
14. Southern Orthopaedic Association's Annual Fall Meeting, November 8th, 2001, Nashville, Tennessee. *Elbow Arthroscopy: Indications and Technique*.
15. Advanced Complex Knee Injury Course, April 12th- 14th, 2002, Chicago, Illinois. Instructor and Lecture *Extensor Mechanism Anatomy*.
16. Vanderbilt Orthopedic Society's Annual Meeting, May 2nd -4th, 2002, Kiawah Island, South Carolina. *Anatomy of the Axillary Nerve, Elbow Arthroscopy: Indications and Technique*.
17. Sports Medicine for the School-Age Athlete, May 18th, 2002, Nashville, Tennessee. *Pediatric Upper Extremity Sports Injuries*.
18. Kentucky High School Athletic Association's Regional Sports Medicine Conference, June 6th, 2002. *Common Sports Injuries: When Can an Athlete Return to Play?*
19. American Orthopaedic Society for Sports Medicine Annual Meeting, June 30th- July 3rd, 2002, Orlando, Florida. Instructional Course Lecture: *PowerPoint: The basic course*.
20. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *Superior Labrum Pathology: Operative Indications and Results*.
21. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *Osteoarthritis after Shoulder Instability*.
22. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *How I Perform Arthroscopic Stabilizations of the Shoulder and When*.
23. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *Examination of the Elbow*.
24. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *Return to Play: First Time Shoulder Dislocation (In Season)*.
25. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *The Best Referral for Shoulder Instability*.
26. Advanced Team Physician Course, Dec. 5th – 8th, 2002, San Antonio, Texas. *Ligamentous Reconstruction of the Elbow*.
27. Tennessee Athletic Trainers Society, Jan. 19th, 2003. *Meniscus Injury and Treatment*.

28. Surgical Treatment Options for Complex Knee Injuries and Disorders Course, May 2nd-4th, 2003, Chicago, Illinois. Instructor and Lecture: *Meniscus Repair Techniques: Indications and Outcomes*.
29. Vanderbilt Orthopedic Society's Annual Meeting, May 15th – 17th, 2003, Kiawah Island, South Carolina. *Superior Labrum Pathology: Operative Indications and Results*.
30. Vanderbilt Orthopedic Society's Annual Meeting, May 15th – 17th, 2003, Kiawah Island, South Carolina. *Osteoarthritis after Shoulder Instability*.
31. Sports Medicine for the School-Age Athlete, June 7th, 2003, Nashville, Tennessee. *Shoulder Instability*.
32. American Orthopaedic Society for Sports Medicine Annual Meeting, July 20th- July 23rd, 2003, San Diego, California. Young Sports Medicine Specialists' Workshop: How to Run a Successful Sports Medicine Practice. Small group moderator.
33. American Orthopaedic Society for Sports Medicine Annual Meeting, July 20th- July 23rd, 2003, San Diego, California. Instructional Course Lecture: *Intermediate Power Point*. Course Leader.
34. Western Orthopaedic Association Rocky Mountain Section Annual Meeting, August 2nd, 2003, Colorado Springs, Colorado. *Arthroscopic Shoulder Stabilization: Indications and Current Techniques*.
35. Southeastern Colorado AHEC Annual Health and Fitness Symposium, March 5th, 2004, Pueblo, Colorado. *Common Sports Injuries in the High School Athlete*.
36. American College of Sports Medicine Annual Meeting AOSSM-ACSM exchange lecture, June 2nd, 2004, Indianapolis, Indiana, *Management of High Risk Stress Fractures*.
37. American Orthopaedic Society for Sports Medicine Annual Meeting, June 24th- June 27th, 2004, Quebec City, Canada. Instructional Course Lecture: High School Return to Play Issues. *Creatine and other Supplements used by the High School Athlete*.
38. American Orthopaedic Society for Sports Medicine Annual Meeting, June 24th- June 27th, 2004, Quebec City, Canada. Instructional Course Lecture: Team physician approach to foot and ankle injuries. *The Painful Great Toe in the Athlete*.
39. Current Advances in Sports Medicine and Trauma, December 9-12, 2004, Santa Fe, New Mexico. *Rupture! Quad, Patella, Achilles*.
40. Current Advances in Sports Medicine and Trauma, December 9-12, 2004, Santa Fe, New Mexico. *Shoulder Instability: Current Concepts of Management*.
41. Current Advances in Sports Medicine and Trauma, December 9-12, 2004, Santa Fe, New Mexico. *Shoulder Dislocation: Sling, Rehab, or Surgery?*
42. Sports Physical Therapy Section and American Orthopaedic Society for Sports Medicine Annual Pre-Conference Program, July 13, 2005, Keystone, Colorado. *Updates on Management of Shoulder Instability*.
43. Evaluation and Treatment of the Injured Athlete: Sports Update 2005, August 1-5, 2005, Martha's Vineyard, Massachusetts. *The Role of Surgery and External Rotation Bracing for Primary Dislocations*.
44. Evaluation and Treatment of the Injured Athlete: Sports Update 2005, August 1-5, 2005,

- Martha's Vineyard, Massachusetts. *Arthroscopic Treatment of Shoulder DJD*.
45. Evaluation and Treatment of the Injured Athlete: Sports Update 2005, August 1-5, 2005, Martha's Vineyard, Massachusetts. *Management of DJD after Instability Repairs*.
 46. Evaluation and Treatment of the Injured Athlete: Sports Update 2005, August 1-5, 2005, Martha's Vineyard, Massachusetts. *AC Joint: Sprains and Fractures: What to do?*
 47. Evaluation and Treatment of the Injured Athlete: Sports Update 2005, August 1-5, 2005, Martha's Vineyard, Massachusetts. *Meniscal Injury and Repair: Current Concepts*.
 48. Comprehensive Sports Medicine Symposium 2006, January 17-18, 2006, Copper Mountain, Colorado. *The Acromioclavicular Joint from A to Z*.
 49. Current Advances in Sports Medicine and Trauma, January 19-22, 2006, Squaw Valley, California. *Current Concepts in Shoulder Instability?*
 50. Current Advances in Sports Medicine and Trauma, January 19-22, 2006, Squaw Valley, California. *Arthroscopic Rotator Cuff Repairs*.
 51. American Academy of Orthopaedic Surgeons 7th Annual Sports Medicine Course: From the Sandlot to the Stadium, February 9-12, 2006, Tucson, Arizona. *Microfracture—Indications, Technique, Results*.
 52. American Academy of Orthopaedic Surgeons 7th Annual Sports Medicine Course: From the Sandlot to the Stadium, February 9-12, 2006, Tucson, Arizona. *Osteochondral Allograft— Indications, Technique, Results*.
 53. American Academy of Orthopaedic Surgeons 7th Annual Sports Medicine Course: From the Sandlot to the Stadium, February 9-12, 2006, Tucson, Arizona. *Extensor Injuries—How to Treat Acute and Chronic Injuries*.
 54. American Academy of Orthopaedic Surgeons 7th Annual Sports Medicine Course: From the Sandlot to the Stadium, February 9-12, 2006, Tucson, Arizona. *Foot Injuries—When and How to Intervene*.
 55. Colorado Society of Osteopathic Medicine Midwinter Conference, Feb 27th, 2006, Keystone, Colorado *Knee Injuries in the Active Adult*.
 56. Knee Injuries in Athletes: Getting Patients Back in the Game April 28-30, 2006, Chicago, Illinois. *Osteochondral Allograft—Indications, Technique, Results*.
 57. Office-Based Sports Medicine for the Primary Care Physician, May, 6, 2006, Denver, Colorado. *Diagnosis and Management of Common Knee Injuries*.
 58. Office-Based Sports Medicine for the Primary Care Physician, May, 6, 2006, Denver, Colorado. *Injections of the Knee*.
 59. Big XII Team Physicians Meeting, June 10- 11, 2006, San Antonio, Texas. *Arthroscopic Treatment of Shoulder DJD*.
 60. Rocky Mountain Shoulder & Elbow Society, June 17 – 18, 2006, Vail, Colorado, *Arthroscopic techniques for treating posterior instability*.
 61. Rocky Mountain Shoulder & Elbow Society, June 17 – 18, 2006, Vail, Colorado. *Shoulder DJD in the Young Patient*.
 62. American Orthopedic Society for Sports Medicine Pre-Conference Program, June 28, 2006, Hershey, Pennsylvania. *How to Develop and Deliver a Quality Podium*

Presentation.

63. University of Colorado Sports Medicine Symposium, September 15, 2006, Boulder, Colorado. *Current concepts of treatment of the First Time Shoulder Dislocation in the Athlete: Sling, Rehab, or Surgery?*
64. University of Colorado Sports Medicine Symposium, September 15, 2006, Boulder, Colorado. *Approach to Failed Instability Repairs; Assessing & Treating Glenoid Bone Deficiency?*
65. University of Colorado Sports Medicine Symposium, September 15, 2006, Boulder, Colorado. *Meniscus Injuries in the Athlete: Cases and Clinical Problems.*
66. University of Colorado Sports Medicine Symposium, September 15, 2006, Boulder, Colorado. *The Problem with Full Thickness Cartilage defects in the Athlete*
67. University of Colorado Sports Medicine Symposium, September 15, 2006, Boulder, Colorado. *Osteochondral Allografts: Indications & Technique.*
68. Current Advances in Sports Medicine and Trauma, January 18 – 21, 2007, Whistler, British Columbia, Canada. *Arthroscopic Approach to Shoulder Instability.*
69. Current Advances in Sports Medicine and Trauma, January 18 – 21, 2007, Whistler, British Columbia, Canada. *Meniscal Repair.*
70. American Academy of Orthopaedic Surgeons 8th Annual Sports Medicine Course: From the Slopes to the Sidelines, March 14 - 18, 2007, Steamboat, Colorado. *Microfracture.*
71. American Academy of Orthopaedic Surgeons 8th Annual Sports Medicine Course: From the Slopes to the Sidelines, March 14 - 18, 2007, Steamboat, Colorado. *Mega-Oats.*
72. American Academy of Orthopaedic Surgeons 8th Annual Sports Medicine Course: From the Slopes to the Sidelines, March 14 - 18, 2007, Steamboat, Colorado. *Knee Extensor Injuries.*
73. American Academy of Orthopaedic Surgeons 8th Annual Sports Medicine Course: From the Slopes to the Sidelines, March 14 - 18, 2007, Steamboat, Colorado. *Dope and Scope— Nonoperative and Arthroscopic Treatment of the Post Meniscectomy Knee.*
74. Office-Based Sports Medicine for the Primary Care Physician, May 12, 2007, Denver, Colorado. *Diagnosis and Management of Common Shoulder Injuries.*
75. Office-Based Sports Medicine for the Primary Care Physician, May 12, 2007, Denver, Colorado. *Injections of the Shoulder.*
76. Big XII Team Physicians Meeting, June 8 - 9, 2007, Scottsdale, Arizona. *BIG XII Football Team Physician Questionnaire.*
77. Big XII Team Physicians Meeting, June 8 - 9, 2007, Scottsdale, Arizona. *Knee Osteochondral Allograft: Indications and Technique.*
78. American Orthopaedic Society for Sports Medicine Annual Meeting, July 11 - July 15, 2007, Calgary, Canada. Instructional Course Lecture: Team physician approach to foot and ankle injuries. *The Painful Great Toe in The Athlete.*

79. Rocky Mountain Shoulder & Elbow Society, July 20-21, 2007, Boulder, Colorado, *First Time Shoulder Dislocation: Sling, Surgery, or Rehab?*
80. AOSSM & AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, August 3 – 5, 2007, Chicago, Illinois, *Sports Medicine Research*.
81. CU Sports Medicine On the field Management of the Injured Athlete Symposium, Denver, Colorado, August 10, 2007, *Management of Common Orthopaedic Sideline Injuries*.
82. University of Colorado Sports Medicine Symposium, September 14, 2007, Boulder, Colorado. *When the meniscus is gone: meniscus transplantation*.
83. University of Colorado Sports Medicine Symposium, September 14, 2007, Boulder, Colorado. *Shoulder Dislocation: Management of the In-Season Athlete*.
84. University of Colorado Sports Medicine Symposium, September 14, 2007, Boulder, Colorado. *MRI/Arthroscopy Correlation – Shoulder*.
85. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *Cartilage Defects in the Athlete*.
86. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *Meniscus Injuries in the Athlete*.
87. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *When the Meniscus is Gone: What Next?*
88. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *Arthroscopic Anterior Stabilization: When and How to Perform*.
89. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *Arthroscopic SLAP Repair*.
90. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *Arthroscopic Rotator Cuff Repair Technique: Pearls and Pitfalls*.
91. University of Colorado Fall Orthopaedic Summit on Minimally Invasive Surgery Course, September 28, 2007. *Indications and Technique of Elbow Arthroscopy*.
92. American Academy of Orthopaedic Surgeons 9th Annual Sports Medicine Course: From Amateur to All-Star, February 7 -10, 2008, Scottsdale, AZ. *Microfracture*.
93. American Academy of Orthopaedic Surgeons 9th Annual Sports Medicine Course: From Amateur to All-Star, February 7 -10, 2008, Scottsdale, AZ. *Osteochondral Allograft*.
94. American Academy of Orthopaedic Surgeons 9th Annual Sports Medicine Course: From Amateur to All-Star, February 7 -10, 2008, Scottsdale, AZ. *ACL Reconstruction: One Bundle is Enough*.
95. American Academy of Orthopaedic Surgeons 9th Annual Sports Medicine Course: From Amateur to All-Star, February 7 -10, 2008, Scottsdale, AZ. *Early DJD in the Athlete: What Are Our Options?*
96. Current Advances in Sports Medicine and Trauma, March 26-30, 2008, Steamboat, Colorado. *Shoulder Instability and Labral Tears*.
97. Current Advances in Sports Medicine and Trauma, March 26-30, 2008, Steamboat,

- Colorado. *Arthroscopic Rotator Cuff Repair*.
98. Third Annual Symposia Current Concepts in Sports Medicine, April 23, 2008, New York, New York, *Hamstring Autograft is Graft of Choice for ACL Reconstruction*.
 99. Office-Based Sports Medicine for the Primary Care Provider, May 3, 2008, Denver, Colorado. *Diagnosis and Management of Common Knee Injuries*.
 100. Office-Based Sports Medicine for the Primary Care Provider, May 3, 2008, Denver, Colorado. *Injections of the Knee*.
 101. Vanderbilt Orthopedic Society's Annual Meeting, May 8-10, 2008, San Antonio, Texas. *First Time Shoulder Dislocation: Sling, Rehab or Surgery?*
 102. Vanderbilt Orthopedic Society's Annual Meeting, May 8-10, 2008, San Antonio, Texas. *Early DJD in the Athlete: What are our Options?*
 103. Big XII Team Physicians Meeting, June 6 - 7, 2008, San Diego, California. *Risk of Retear – Allograft vs. Autograft ACL Reconstruction*.
 104. Big XII Team Physicians Meeting, June 6 - 7, 2008, San Diego, California. *Arthroscopic Rotator Cuff Repair*.
 105. American Orthopaedic Society for Sports Medicine Annual Meeting, July 10 – 13, 2008, Orlando, Florida. Moderator of Scientific Session, *ACL Allografts and Revisions*.
 106. Rocky Mountain Shoulder & Elbow Society, August 1, 2008 Aspen, Colorado. *Distal Biceps Repair and Biomechanics*.
 107. Rocky Mountain Shoulder & Elbow Society, August 1, 2008 Aspen, Colorado. *Triceps Reconstruction*.
 108. CU Sports Medicine On the field Management of the Injured Athlete Symposium, Denver, Colorado, August 7, 2008 *On The Field Management of Common Orthopedics Injuries & When Can an Athlete Return to Play?*
 109. University of Colorado Sports Medicine Symposium, October 3, 2008, Boulder, Colorado. *Arthroscopic Management of Rotator Cuff Tears: Pearls and Pitfalls*.
 110. University of Colorado Sports Medicine Symposium, October 3, 2008, Boulder, Colorado *Arthroscopic and Non-Arthroplasty Management of Shoulder Osteoarthritis in the Athlete*.
 111. University of Colorado Sports Medicine Symposium, October 3, 2008, Boulder, Colorado *Sports after Shoulder Replacement Surgery*.
 112. Arthroscopy Association of North America Fall Course, November 22, 2008. Knee Arthroscopy Laboratory Instructor.
 113. American Academy of Orthopaedic Surgeons 10th Annual Sports Medicine Course: From Slopes to Sidelines, March 10-14th, 2009. Steamboat, CO *The Role of the Team Physician*.
 114. American Academy of Orthopaedic Surgeons 10th Annual Sports Medicine Course: From Slopes to Sidelines, March 10-14th, 2009. Steamboat, CO. *Osteochondral Allograft*.
 115. American Academy of Orthopaedic Surgeons 10th Annual Sports Medicine Course:

- From Slopes to Sidelines, March 10-14th, 2009. Steamboat, CO *ACL Reconstruction: Optimizing Reconstruction and Outcomes*.
116. American Academy of Orthopaedic Surgeons 10th Annual Sports Medicine Course: From Slopes to Sidelines, March 10-14th, 2009. Steamboat, CO *Debate: Hamstring Autograft for ACL Reconstruction*.
 117. American Academy of Orthopaedic Surgeons 10th Annual Sports Medicine Course: From Slopes to Sidelines, March 10-14th, 2009. Steamboat, CO *Early Shoulder DJD in the Athlete: What Are Our Options?*
 118. Current Advances in Sports Medicine and Trauma, March 26-29, 2009, Steamboat, Colorado. *First Time Shoulder Dislocation in the Athlete*.
 119. Office-Based Sports Medicine for the Primary Care Provider, May 2, 2009, Denver, Colorado. *Diagnosis and Management of Common Shoulder Injuries*.
 120. Office-Based Sports Medicine for the Primary Care Provider, May 2, 2009, Denver, Colorado. *Injections of the Shoulder*.
 121. Herodicus Society, May 9, 2009, Wild Dunes, South Carolina, *Current Practices and Variation in the Treatment of Football Injuries in NCAA and NFL Players*.
 122. Big XII Team Physicians Meeting, June 12, 2009, San Antonio, Texas. *Distal Biceps Injuries*.
 123. American Orthopaedic Society for Sports Medicine Annual Meeting, July 9th- July 12th, 2009, Keystone, Colorado. Instructional Course Lecture: Stress Management for the Sports Medicine Specialist, *"How to say No and keep your Eye on the Ball!"*
 124. Evaluation and Treatment of the Injured Athlete: Sports Update 2009, July 27 - 31, 2009, Martha's Vineyard, Massachusetts. *Meniscal Repair in 2009*.
 125. Evaluation and Treatment of the Injured Athlete: Sports Update 2009, July 27 - 31, 2009, Martha's Vineyard, Massachusetts. *Assessment & Treatment of Glenoid and Humeral Bone Loss*.
 126. Evaluation and Treatment of the Injured Athlete: Sports Update 2009, July 27 - 31, 2009, Martha's Vineyard, Massachusetts. *Avoiding Complications in Shoulder Instability Surgery*.
 127. Evaluation and Treatment of the Injured Athlete: Sports Update 2009, July 27 - 31, 2009, Martha's Vineyard, Massachusetts. *Shoulder Arthritis in the Young Active Patient*.
 128. Evaluation and Treatment of the Injured Athlete: Sports Update 2009, July 27 - 31, 2009, Martha's Vineyard, Massachusetts. *Arthritis in the Active Person: Dope it or Scope it?*
 129. CU Sports Medicine On the field Management of the Injured Athlete Symposium, Denver, Colorado, August 7, 2009. *On The Field Management of Common Upper Extremity Injuries*.
 130. Rocky Mountain Shoulder & Elbow Society, August 8, 2009 Beaver Creek, Colorado. *Subscapularis Tears*.
 131. Rocky Mountain Shoulder & Elbow Society, August 8, 2009 Beaver Creek, Colorado. *Coracoid Decompression: Surgical Technique*.

132. University of Colorado Sports Medicine Symposium, September 18, 2009, Boulder, Colorado. *The Problem with Cartilage Defects in the Athletes Knee.*
133. University of Colorado Sports Medicine Symposium, September 18, 2009, Boulder, Colorado. *Osteochondral Allograft: Indications & Technique in the Athlete.*
134. University of Colorado Sports Medicine Symposium, September 18, 2009, Boulder, Colorado. *Graft Choices for ACL Reconstruction: Mini-debate Hamstring.*
135. American Academy of Orthopaedic Surgeons 11th Annual Sports Medicine Course: From Slopes to Sidelines, February 11-14th, 2010. Bonita Springs, Florida. *ACL Reconstruction: Optimizing Reconstruction and Outcomes.*
136. American Academy of Orthopaedic Surgeons 11th Annual Sports Medicine Course: From Slopes to Sidelines, February 11-14th, 2010. Bonita Springs, Florida. *Early Shoulder DJD in the Athlete: What Are Our Options?*
137. American Academy of Orthopaedic Surgeons 11th Annual Sports Medicine Course: From Slopes to Sidelines, February 11-14th, 2010. Bonita Springs, Florida. *Autologous Chondrocyte Implantation.*
138. Office-Based Sports Medicine for the Primary Care Provider, May 8th, 2010, Denver, Colorado. *Diagnosis and Management of Common knee Injuries.*
139. Office-Based Sports Medicine for the Primary Care Provider, May 8th, 2010, Denver, Colorado. *Injections.*
140. Big XII Team Physicians Meeting, June 11-12, 2010, Scottsdale, Arizona. *Stress Management.*
141. Big XII Team Physicians Meeting, June 11-12, 2010, Scottsdale, Arizona. *Platelet Rich Plasma (PRP) Update.*
142. American Orthopaedic Society for Sports Medicine Annual Meeting, July 15th- July 18th, 2010, Providence, Rhode Island. Instructional Course Lecture: Stress Management for the Sports Medicine Specialist, *"How to say No and keep your Eye on the Ball!"*
143. Southeast Trauma 9th Annual Symposium, August 5 – 8, 2010, Destin, Florida, *Trauma for the Team Physician.*
144. Southeast Trauma 9th Annual Symposium, August 5 – 8, 2010, Destin, Florida, *Acromioclavicular Joint Injuries.*
145. Southeast Trauma 9th Annual Symposium, August 5 – 8, 2010, Destin, Florida, *Clavicle Fractures: To Fix or not to Fix?*
146. The Children's Hospital Pediatric Sports Medicine Symposium, August 13, 2010, Aurora, Colorado. *Labral Tears in the Young Athlete.*
147. University of Colorado Sports Medicine Symposium, September 17, 2010, Boulder, Colorado. *Management of 1st Time Anterior Shoulder Dislocation in the Athlete.*
148. University of Colorado Sports Medicine Symposium, September 17, 2010, Boulder, Colorado. *Avoiding Complications in Arthroscopic Instability Surgery.*
149. Clinical Orthopaedic Society National Meeting, September 23, 2010, Denver, Colorado.

Graft choices for ACL: mini-debate (Hamstring).

150. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado.
151. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine ACL *Reconstruction: Optimizing Reconstruction and Outcomes.*
152. Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado. Point – Counterpoint: Acute ACL Tears: Don't Operate!
153. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado. Technique and Outcomes: Autologous Chondrocyte Implantation.
154. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado. Pre-Participation Physicals – The Basics and When to Refer.
155. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado. Arthroscopic Management of MDI.
156. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado. SLAP Lesion – Repair Techniques and Outcomes.
157. American Academy of Orthopaedic Surgeons 12th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 9 – 13th, 2011, Vail, Colorado. Shoulder DJD in the Athlete: What are the Options?
158. 6th Annual Current Advances in Sports Medicine and Trauma, March 17-21, 2011, Naples, Florida. Platelet Rich Plasma Therapy in the Athlete.
159. 6th Annual Current Advances in Sports Medicine and Trauma, March 17-21, 2011, Naples, Florida. ACL Graft Options.
160. 6th Annual Current Advances in Sports Medicine and Trauma, March 17-21, 2011, Naples, Florida. Posterior Shoulder Instability.
161. AAOS Advanced Complex Surgical Reconstruction of the Knee and Shoulder April 29-30, 2011, Chicago Illinois. Arthroscopic AC Reconstruction.
162. Colorado Chapter of American Physical Therapy Association Spring Symposium April 2, 2011, Denver, Colorado. "Evidence Based Practice for Management of Shoulder Instability" - Acute Management of the Unstable Shoulder.
163. Colorado Chapter of American Physical Therapy Association Spring Symposium April 2, 2011, Denver, Colorado. "Evidence Based Practice for Management of Shoulder Instability" – Considerations of Return to Play after Shoulder Dislocation.
164. Colorado Chapter of American Physical Therapy Association Spring Symposium April 2, 2011, Denver, Colorado. "Evidence Based Practice for Management of Shoulder

Instability” Surgical Treatment for Shoulder Instability.

165. International Society Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine 2011 Congress, May 15 – 19, 2011, Rio de Janeiro, Brazil. Evidence for Surgery: When Should We Operate on Rotator Cuff Tears?
166. Big XII Team Physicians Meeting, June 10-11, 2011, Colorado Springs, Colorado. Evidence for Surgery: When Should We Operate on Rotator Cuff Tears?
167. American Orthopaedic Society for Sports Medicine Annual Meeting, July 7 – 10, 2011, San Diego, California. Moderator of Surgical Skills Demonstration, Arthroscopic Biceps Tenodesis.
168. University of Colorado Sports Medicine Symposium, September 30, 2011, Boulder, Colorado. *ACL Graft Options*.
169. University of Colorado Sports Medicine Symposium, September 28, 2012, Boulder, Colorado. *Wait A Minute: Do We Really Need to Operate on Almost Every Rotator Cuff?*
170. American Academy of Orthopaedic Surgeons 13th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 21 - 25, 2012, Vail, Colorado. Technique and Outcomes: Autologous Chondrocyte Implantation.
171. American Academy of Orthopaedic Surgeons 13th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 21 - 25, 2012, Vail, Colorado. ACL Reconstruction: Optimizing Reconstruction and Outcomes.
172. American Academy of Orthopaedic Surgeons 13th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 21 - 25, 2012, Vail, Colorado. What Can We Inject Pre-Game?
173. American Academy of Orthopaedic Surgeons 13th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 21 - 25, 2012, Vail, Colorado. Arthroscopic Management of MDI – Pearls and Pitfalls.
174. American Academy of Orthopaedic Surgeons 13th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 21 - 25, 2012, Vail, Colorado. SLAP Lesion – Repair Techniques and Outcomes.
175. American Academy of Orthopaedic Surgeons 13th Annual Sports Medicine Course: Elite Athletes to Weekend Warriors, March 21 - 25, 2012, Vail, Colorado. Shoulder DJD in the Athlete: What are the Options?
176. Topics in Sports Medicine 2012, April 9, 2012. Denver, Colorado. Management of Rotator Cuff Tears.
177. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 28, 2012 Wait a minute: Do we really need to operate on almost every rotator cuff?
178. Sports Physical Therapy Section Team Concept Conference, November 29- December 1, 2012, Las Vegas, Nevada. Surgical Management of Elbow Injuries.
179. Sports Physical Therapy Section Team Concept Conference, November 29- December 1, 2012, Las Vegas, Nevada. Surgical Management of Rotator Cuff Tears.
180. 2nd Annual Emerging Techniques in Orthopaedics. December 6th – 8th, 2012, Las

- Vegas, Nevada. Should we Inject the Athlete? Toradol? Other Injections? Are you Kidding?
181. 2nd Annual Emerging Techniques in Orthopaedics. December 6th – 8th, 2012, Las Vegas, Nevada. You're all Wrong! The Rotator Cuff can be Treated Non-Operatively!
 182. 8th Annual Current Advances in Sports Medicine and Trauma, February 7 – 10th, 2013, Naples, Florida. Acromioclavicular Joint Injuries.
 183. 8th Annual Current Advances in Sports Medicine and Trauma, February 7 – 10th, 2013, Naples, Florida. Avoiding Complications in Arthroscopic Instability Cases.
 184. 8th Annual Current Advances in Sports Medicine and Trauma, February 7 – 10th, 2013, Naples, Florida. Osteochondral Allografts.
 185. 8th Annual Current Advances in Sports Medicine and Trauma, February 7 – 10th, 2013, Naples, Florida. Osteochondral Allografts: live cadaveric surgical demonstration.
 186. 8th Annual Current Advances in Sports Medicine and Trauma, February 7 – 10th, 2013, Naples, Florida. Graft Choice in ACL Surgery: Hamstrings.
 187. 14th Annual AAOS/AOSSM Sports Medicine Course: Elite Athletes to Weekend Warriors, February 20-24th, 2013, Park City, Utah. Course Faculty.
 188. American Orthopaedic Society for Sports Medicine Annual Meeting, July 11-14, 2013, Chicago, Illinois. Instructional Course Lecture: Articular Cartilage.
 189. American Orthopaedic Society for Sports Medicine Annual Meeting, July 11-14, 2013, Chicago, Illinois. Traveling Fellows Presentation.
 190. American Orthopaedic Society for Sports Medicine Annual Meeting, July 11-14, 2013, Chicago, Illinois. Symposium: Case-Based ACL/MCL Injury: *Operate*.
 191. Emerging Techniques in Orthopedics, December 6, 2013, Las Vegas, Nevada. Combined Bony Defects with Anterior Instability: A Bankart Lesion and Hill-Sachs Lesion: What to Do?
 192. 15th Annual AAOS/AOSSM Sports Medicine Course: From the Weekend Warrior to the Elite Athlete, February 12-16th, 2014, Park City, Utah. Course Faculty.
 193. 15th Annual AAOS/AOSSM Sports Medicine Course, February 13, 2014, Park City, Utah. "Conservative" Treatment of Articular Cartilage Disease. What's in My Bag and Is Arthroscopic Treatment an Option?
 194. 15th Annual AAOS/AOSSM Sports Medicine Course, February 14, 2014, Park City, Utah. Getting Our Athletes to Play – Acute Pain Management in the Locker Room and Sideline.
 195. 15th Annual AAOS/AOSSM Sports Medicine Course, February 15, 2014, Park City, Utah. Full Thickness Rotator Cuff Tears – Techniques and State of the Art Management.
 196. 9th Annual Current Advances in Sports Medicine and Trauma, February 21, 2014, Naples, Florida. Rotator Cuff Tears: Why Would You Do a Double Row?
 197. 23rd Annual American Medical Society for Sports Medicine Meeting, April 5-9, 2014, New Orleans, Louisiana. Instructional Course Lecture: *Upper Extremity Advanced*

Examination.

198. Annual University of Kentucky Sports Medicine Symposium, May 16, 2014, Lexington, Kentucky. *The View from the Sideline: Team Physician Perspective and Lessons Learned.*
199. Annual University of Kentucky Sports Medicine Symposium, May 16, 2014, Lexington, Kentucky. *How to Treat Meniscus Injuries Operatively?*
200. Invited Expert Panelist, AOSSM Annual Meeting, July 10-13, 2014, Seattle, Washington. *Case-Based Symposium: In-Season Management of Glenohumeral Instability in the Contact Athlete.*
201. 1st Annual International Extreme Sports Medicine Congress, July 13-14, 2014, Boulder, Colorado. *Treatment of Biceps Pain in the Extreme Athlete.*
202. University of Colorado Sports Medicine Symposium, September 19, 2014, Boulder, Colorado. *Rationale for Subpectoral Biceps Tenodesis and Technique.*
203. 16th Annual AAOS/AOSSM Sports Medicine Course: Elite Athletes to Weekend Warriors, February 25th-March 1st, 2015, Park City, Utah. Course Faculty.
204. AOSSM Annual Meeting, July 10, 2015, Orlando, Florida. Live Surgical Demonstration: Large OCD: Osteoarticular Transfer System and Allograft.
205. Chicago Sports Medicine Symposium, August 14, 2015, Chicago, Illinois. Complications of Instability Surgery.
206. Chicago Sports Medicine Symposium, August 14, 2015, Chicago, Illinois. SLAP Tears: How to Fix Them the Right Way.
207. Chicago Sports Medicine Symposium, August, 14, 2015, Chicago, Illinois. Long Head Biceps: What to Do and When?
208. Chicago Sports Medicine Symposium, August 15, 2015, Chicago, Illinois. Meniscus Management: Contemporary Techniques from Debridement to Repair.
209. AAOS 2016 Annual Meeting, Orlando, Florida, February 29-March 5, 2016
210. AOSSM 2016 Specialty Day-Combined OTA and AOSSM Session, Orlando, Florida, March 5, 2016
211. ASES Specialty Day 2016, Orlando, Florida, March 5, 2016
212. AOSSM 2016 Specialty Day – SD Main Registration, Orlando, Florida, March 5, 2016
213. AOSSM Football Sports Medicine: The Playbook for the NFL and Beyond, Denver, Colorado May 5-7, 2016. On-Field Triage of Long-Bone Fractures and Dislocations.
214. CMOT, June 29-July 2, 2016, Brazil. Anterior instability with combined bone defects: When to do Latarjet and when to consider Remplissage (with technique).
215. CMOT, June 29-July 2, 2016, Brazil. MCL knee injury: Does anything need to be done?
216. CMOT, June 29-July 2, 2016, Brazil. Management of pediatric and adult OCD.
217. CMOT, June 29-July 2, 2016, Brazil. PCL injury: From non-operative to surgical management and return to play.
218. Chicago Sports Symposium, August 5, 2016, Chicago, Illinois. 1st Time Anterior Shoulder Dislocation: In Season Management.

219. Chicago Sports Symposium, August 5, 2016, Chicago, Illinois. Biceps Tenodesis: Sub-pec is the Only Way!
220. Chicago Sports Symposium, August 5, 2016, Chicago, Illinois. Meniscus Repair: Common Techniques, Outcomes & Evidence.
221. University of Colorado Sports Medicine Symposium, September 30, 2016, Boulder, Colorado. *Partial Cuff Tears: How to Approach.*
222. University of Colorado Sports Medicine Symposium, September 30, 2016, Boulder, Colorado. *Suprascapular Nerve: How to Identify When It Is A Problem and What To Do.*
223. ASES 2016 Annual Meeting, Boston, Massachusetts October 6-9, 2016
224. Invited Expert Panelist, Orthopaedic Summit 2016 Evolving Techniques, December 7-10, 2016, I Fixed the Cuff but My Patient is Stiff: What Happened, How I Fix It, How I Avoid It. Las Vegas, Nevada.
225. Speaker, Orthopaedic Summit 2016 Evolving Techniques, December 7-10, 2016, Guidelines for Return to Play Following Anterior Instability Repair.
226. Orthopaedic Summit 2016 Evolving Techniques, December 7-10, 2016, Lightning Round: Discussion on Rotator Cuff Tears-Complications. Las Vegas, Nevada.
227. AOSSM *Surgical Skills Current Treatment of the Athlete's Knee-SS Athletes Knee* Course Faculty, January 22-24, 2016
228. 18th Annual AAOS/AOSSM Sports Medicine Course, February 10, 2017, Steamboat Springs, CO. Cartilage: Osteochondral Autograft.
229. 18th Annual AAOS/AOSSM Sports Medicine Course, February 11, 2017, Steamboat Springs, CO. Upper Extremity Issues: Faculty/Participant Round Table Case Presentations Moderator.
230. Speaker, 18th Annual AAOS/AOSSM Sports Medicine Course, February 8-12, 2017, Anterior Instability Repair: Arthroscopic-Top 10 Pearls.
231. Invited Expert Panelist, 18th Annual AAOS/AOSSM Sports Medicine Course, February 8-12, 2017, Steamboat, CO. Live Case Presentation: Shoulder.
232. University of Colorado Sports Medicine Symposium, September 22, 2017, Boulder, Colorado. *Keys for a Successful ACL Surgery and Recovery.*
233. 19th Annual AAOS/AOSSM/AANA Sports Medicine Course, January 31 – February 4, 2018, Park City, UT. Anterior Instability Repair: Arthroscopic-Top 10 Pearls.
234. Panel Doctor, 19th Annual AAOS/AOSSM/AANA Sports Medicine Course, January 31 – February 4, 2018, Park City, UT. The Athlete's Shoulder: Live Case Presentation: Shoulder.
235. Panel Doctor, 19th Annual AAOS/AOSSM/AANA Sports Medicine Course, January 31 – February 4, 2018, Park City, UT. The Athlete's Shoulder: Faculty/Participant Case Presentations: Instability, SLAP and Biceps.
236. 19th Annual AAOS/AOSSM/AANA Sports Medicine Course, January 31 – February 4, 2018, Park City, UT. Pain Management in the Locker Room.
237. 19th Annual AAOS/AOSSM/AANA Sports Medicine Course, January 31 – February 4, 2018, Park City, UT. Cartilage. Technique Focus: Articular Cartilage Repair: 5 Minute Videos. Cartiform.

238. Panel Doctor, 19th Annual AAOS/AOSSM/AANA Sports Medicine Course, January 31 – February 4, 2018, Park City, UT. The Patellofemoral Joint, Faculty/Participant Case Presentations: Cartilage and Patellofemoral Joint.
239. Winter SKS, 2018 Shoulder Knee & Sports Meeting, February 22-25, 2018, Snowbird, UT, *Bone Loss on the Glenoid Side*.
240. Winter SKS, 2018 Shoulder Knee & Sports Meeting, February 22-25, 2018, Snowbird, UT, *Nonoperative Management for Everyone?*
241. Winter SKS, 2018 Shoulder Knee & Sports Meeting, February 22-25, 2018, Snowbird, UT, *Indications for Shoulder Arthroplasty in Athletic Patients*.
242. Winter SKS, 2018 Shoulder Knee & Sports Meeting, February 22-25, 2018, Snowbird, UT, Video Spotlight: Arthroscopic Suprapectoral Biceps Tenodesis.
243. Winter SKS, 2018 Shoulder Knee & Sports Meeting, February 22-25, 2018, Snowbird, UT, Microfracture.
244. AAOS 2018 Annual Meeting, New Orleans, Louisiana March 7-10, 2018
245. ASES Specialty Day, New Orleans, Louisiana March 10, 2018
246. ESSKA 18th Congress, Glasgow, United Kingdom May 8-12, 2018
247. 3rd International Extreme Sports Medicine Congress, June 1-2, 2018, Boulder, Colorado, So You Tore Your ACL – What Next?
248. 3rd International Extreme Sports Medicine Congress, June 1-2, 2018, Boulder, Colorado, Treatment of Biceps Pain in the Extreme Athlete.
249. AOSSM Annual Meeting, July 8, 2018, San Diego, CA. Medico-Legal Update for the Orthopaedic Team Physician.
250. Western Orthopedic Society Annual Meeting, August 2, 2018, Snowmass, CO, Team Physician Role and Responsibilities: How to Do It Right.
251. University of Colorado Sports Medicine Symposium, October 5, 2018, Boulder, Colorado. *First Time Dislocation in the Athlete: What to do in-season*.
252. University of Colorado Sports Medicine Symposium, October 5, 2018, Boulder, Colorado. *Non-arthroplasty Treatment of the Young Arthritic Shoulder*.
253. American Shoulder and Elbow Surgeons, October 12, 2018, Chicago, Illinois, Return to Sports after Bankart Repair.
254. American Academy of Sports Physical Therapy, November 29-December 1, 2018, Las Vegas, Nevada, Instructional Course Lecture: Course 3: Evaluation of the Dislocated Shoulder.
255. 20th Annual AAOS/AOSSM/AANA Comprehensive Sports Medicine Course: Keeping Patients Active Through Biologics, Rehabilitation January 30 – February 3, 2019
256. AAOS 2019 Annual Meeting, Las Vegas, Nevada March 13-16, 2019
257. Houck DA, Kraeutler MJ, **McCarty EC**, Bravman JT. Fixed- Versus Adjustable-Loop Femoral Cortical Suspension Devices For Anterior Cruciate Ligament Reconstruction: A Systematic Review And Meta-Analysis Of Biomechanical Studies (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.

258. Schumacher AN, Houck DA, Vidal AF, Wolcott ML, **McCarty EC**, Bravman JT, Frank RM. Do Older Skiers Have Worse Outcomes Following Anterior Cruciate Ligament Reconstruction Compared To Non-Skiers Or Younger Skiers? (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
259. Houck DA, Kraeutler MJ, Thornton LT, **McCarty EC**, Bravman JT. Treatment Of Lateral Epicondylitis With Autologous Blood, Platelet-Rich Plasma, Or Corticosteroid Injections: A Systematic Review Of Overlapping Meta-Analyses (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
260. Smith JR, Houck DA, Frank RM, Wolcott ML, Vidal AF, Bravman JT, **McCarty EC**. Five-Strand Hamstring Autograft For Anterior Cruciate Ligament Reconstruction: A Systematic Review (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
261. Belk JW, Kraeutler MJ, Houck DA, MulCahey M, **McCarty EC**. Return To Sport after Proximal Hamstring Tendon Repair: A Systematic Review (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
262. Kraeutler MJ, Houck DA, Carver TJ, Bravman JT, Vidal AF, **McCarty EC**. Demographics and Clinical Outcomes of Patients Undergoing Anterior Cruciate Ligament Reconstruction with a Planned or Unplanned Hybrid Graft (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
263. Belk JW, Kraeutler MJ, Houck DA, **McCarty EC**. Knee Osteoarthritis after Single-Bundle versus Double-Bundle Anterior Cruciate Ligament Reconstruction: A Systematic Review of Randomized Controlled Trials (E-Poster). 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress. Cancun, Mexico. May 2019.
264. Salem H, Axibal D, Wolcott ML, Vidal AF, **McCarty EC**, Frank RM. Two-Stage Revision Anterior Cruciate Ligament Reconstruction: A Systematic Review of Bone Graft Options for Tunnel Augmentation (Poster). University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
265. Salem H, Huston L, Zajichek A, Wolcott ML, **McCarty EC**, Vidal AF, Bravman JT, MOON Knee Group, Spindler K, Frank RM. Meniscal Repair with Concurrent Anterior Cruciate Ligament Reconstruction: Is ACL Graft Choice Predictive of Meniscal Repair Success? (Poster). University of Colorado's Inaugural Orthopedic Research Symposium. Aurora, CO. May 2019.
266. University of Colorado Sports Medicine Symposium, September 13, 2019, Boulder, Colorado. *Keys for A Successful ACL Surgery and Recovery.*
267. University of Colorado Sports Medicine Symposium, September 11, 2020, Boulder, Colorado. *Arthroscopic Stabilization in the Contact Athlete*
268. University of Colorado Sports Medicine Symposium, September 11, 2020, Boulder, Colorado. *Arthroscopic Stabilization: Tips for Success*
269. University of Colorado Sports Medicine Symposium, September 10, 2021, Boulder, Colorado. *ACL Plus!: When to add something else.*

270. AAOS 2021 Annual Meeting, August 31-September 3, 2021, San Diego, California. *Real World Survey Burden of Common Patient-Reported Outcome Measures Utilized in Shoulder Surgery*
271. AAOS 2021 Annual Meeting, August 31-September 3, 2021, San Diego, California. (Poster) *Outcomes, Safety, and Complications with the use Tranexamic Acid in Arthroscopy: A Systematic Review*
272. AAOS 2021 Annual Meeting, August 31-September 3, 2021, San Diego, California. *Predictors of Bone Loss in Patients with Anterior Shoulder Instability.*
273. PAC12 Conference, May 2022, Las Vegas NV, *Shoulder Dislocation in Athletes*
274. AANA Conference, May 2022, San Francisco CA, Las Vegas NV, BEAR–“Game Changer” in ACL Surgery
275. AANA22 Annual Meeting, May 19-21, 2022, San Francisco, California. *Knee Tips, Techniques and Controversies: Pro: BEAR – “Game Changer” in ACL Surgery*
276. AOSSM Annual Meeting 2022, July 13-17, 2022, Colorado Springs, Colorado. *Biceps Tenodesis Arthroscopic vs. Open*
277. University of Colorado Sports Medicine Symposium, September 9, 2022, Boulder, Colorado. *Management of Anterior Shoulder Instability in the Contact Athlete – In Season*
278. University of Colorado Sports Medicine Symposium, September 9, 2022, Boulder, Colorado. *Shoulder Replacement in the “Young” Active Patient*
279. Orthopaedic Summit 2022, September 23, 2022, Boston, Massachusetts. *I Love My Therapist But My Surgeon is Confusing Me: What is My Postop Rehabilitation Protocol? – Immediate Motion, Delayed Motion, Home Program, No Sling, Yes Abduction Pillow – Would Someone Please Tell Me What I am Supposed To Do.*
280. 24th Annual AAOS/AOSSM/AANA Sports Medicine Course, Park City, Utah, January 21-24, 2024
281. **McCarty EC** – Shoulder Dislocation in Athletes - PAC12 Conference, May 12-14, 2022 Las Vegas, NV
282. **McCarty EC** - I Love My Therapist But My Surgeon Is Confusing Me: What Is My Postop Rehabilitation Protocol? – Immediate Motion, Delayed Motion, Home Program, No Sling, Yes Abduction Pillow – Would Someone Please Tell Me What I Am Supposed To Do OSET Conference, Boston MA October 2022
283. My 7 Pearls on how to be a Team Physician – **McCarty EC** AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2023
284. KNEE LIGAMENT DISORDERS – FOCUS ON THE ACL - Case Based Learning Moderator **McCarty EC** AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2023
285. 22 y/o Male D1 College Senior RB With 1st, Dislocation in Preseason, **McCarty EC** AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2023
286. Grade V ACJ Separation in a 24 y/o Male Rock Climber - How to Fix? **McCarty EC**

- AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2023
287. Team Physician Spotlight, Moderator: **McCarty EC** AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2023
 288. Pre-Participation Physicals - From HS to the Pros - How to Do These in Your Community – **McCarty EC** AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2023
 289. AC Joint Injuries: Should we ever Operate? **McCarty EC**, Rocky Mountain Shoulder and Elbow Society, Avon, CO March 30-April 1, 2023
 290. The Role of Subscapularis: How to evaluate and treat – **McCarty EC**, Rocky Mountain Shoulder and Elbow Society, Avon, CO March 30-April 1, 2023
 291. Biceps Tenodesis: Arthroscopic vs. Open – **McCarty, EC**, Irish American Orthopedic Society Annual Symposium, Aug 24th-25th, 2023
 292. How to Excel as a Team Physician **McCarty, EC**, MD, FAAOS, AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2024
 293. Fireside Chat with Eric A. Heiden, MD, FAAOS Moderator: **McCarty, EC**, MD, FAAOS AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2024
 294. Case Presentation: Clavicle FX in the Athlete **McCarty, EC**, MD, FAAOS AAOS/AOSSM/AANA 23rd Sports Medicine Course – Park City, UT January 2024
 295. AOSSM Specialty Day, Instability in the Athlete: What to Do and When to Do it (What makes an ideal candidate) Eric C. McCarty, MD, February 16th 2024
 296. AOFAS Sports Injuries of the Foot & Ankle: Diagnosis and Treatment, The Role of Foot and Ankle Subspecialists as Team Physicians – April 20th, 2024
 297. AANA 2024: CONCURRENT SCIENTIFIC SESSION 3D: Revision ACL Considerations - Contralateral BTB Autograft, Eric C. McCarty, May 10th, 2024 Boston MA.
 298. AANA 2024: How to Be Successful as an Early Career Surgeon in 2024 and Beyond: Pearls and Pitfalls, May 11th 2024, Boston MA.
 299. AANA 2024: ACL Graft Choice: 21-Year-Old Female Soccer Star With Acute ACL Tear: What Graft? BTB Autograft-Trust Me It Works, Eric C. McCarty May 11th, 2024 Boston MA.
 300. AASPT 2024: Physician Perspective: Good SLAP and bad SLAP concepts: What does it mean and what are the appropriate treatments? | Eric McCarty MD June 13th, 2024 Las Vegas
 301. AASPT 2024: Physician Perspective: Update on Rotator cuff repair surgery; Double rows, single rows, patches and OrthoBiologics | Eric McCarty MD June 13th 2024

COURSE DIRECTOR (25)

1. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 15, 2006
2. Rocky Mountain Shoulder & Elbow Society Annual Meeting, Co-Director, Boulder, Colorado, July 20-21, 2007
3. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September

14, 2007

4. AAOS/AOSSM Annual Sports Medicine Course, Co-Director, Scottsdale, Arizona, February 7 -10th, 2008
5. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, October 3, 2008
6. AAOS/AOSSM Annual Sports Medicine Course, Co-Director, Steamboat, Colorado March 10 – 14th, 2009
7. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 18, 2009
8. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 17, 2010
9. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 30, 2011
10. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 28, 2012
11. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, October 4, 2013
12. AAOS/ASES Advanced Reconstruction of the Knee and Shoulder, Co-Director, Chicago, Illinois, April 19-20, 2013
13. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 19, 2014
14. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, October 2, 2015
15. 2016 Magellan Meeting, Program Co-Chair, Taos, New Mexico, USA, July 3-6, 2016
16. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 30, 2016
17. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 22, 2017
18. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, October 5, 2018
19. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 13, 2019
20. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 13, 2019
21. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 11, 2020
22. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 10, 2021
23. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 11, 2022

24. University of Colorado Sports Medicine Fall Symposium, Boulder, Colorado, September 15, 2023
25. 24th Annual AAOS/AOSSM/AANA Sports Medicine Course, Park City, Utah, January 21-24, 2024

SECTION LEADER/ORGANIZER

1. Clinical Orthopaedic Society National Meeting, September 23, 2010, Denver, Colorado. *Sports Medicine Section*

INVITED LECTURES (65)

1. University of Colorado Department of Orthopaedic Surgery Grand Rounds, August 6, 2003, *Shoulder Instability: Current Concepts*.
2. Visiting Lecturer, Imperial College London University, UK, April 14, 2004
3. Visiting Lecturer, Wellington Hospital, Knee Unit, London, UK, April 14, 2004
4. Visiting Lecturer, Nuffield Orthopaedic Centre, Oxford, UK, April 15, 2004
5. Visiting Lecturer, University of Oslo, Oslo, Norway, April 16, 2004
6. Visiting Lecturer, Karolinska Institut, Stockholm, Sweden, April 20-21, 2004
7. Visiting Lecturer, Ghent University Hospital, Gent, Belgium, April 22, 2004
8. Visiting Lecturer, University of Saarland, Homburg/Saar, Germany, April 25, 2004
9. Visiting Lecturer, University Hospital for Traumatology and Sports Medicine, Innsbruck, Austria, April 28, 2004
10. Visiting Lecturer, Bruderholz Hospital, Basel, Switzerland, April 30, 2004
11. Visiting Lecturer, Centre De La Croix Rousse, Lyon, France, May 3, 2004
12. Guest Speaker, Colorado Athletic Directors Association, Annual Meeting, Breckenridge, Colorado, May 1, 2006, *Supplement Use and Abuse in the College and High School Athlete*
13. Visiting Professor, University of Virginia Department of Orthopaedic Surgery Grand Rounds, Charlottesville, Virginia, February 27, 2008, *First Time Shoulder Dislocation: Sling, Rehab or Surgery?*
14. Guest Lecturer, Kaiser Permanente National Orthopaedic Conference, Carlsbad, California, January 23 – 25, 2009, *ACL Evidence Based Outcomes – MOON and KP*
15. University of Colorado School of Medicine Century Club Inaugural Reception, Aurora, Colorado, February 20, 2009, *Sports Medicine: A Team Physicians Perspective*
16. Guest Speaker, Sports Physical Therapy Section Team Concept Meeting, Las Vegas, December 4, 2009 *Platelet Rich Plasma Therapy in the Athlete*
17. Guest Speaker, Sports Physical Therapy Section Team Concept Meeting, Las Vegas, December 4, 2009 *Surgical Management of Patella Tendinopathy*
18. Invited Guest lecturer, 47th Annual Meeting of the Asociación Argentina de Ortopedia y Traumatología, Buenos Aires, Argentina, November 29, 2010 *PCL Injuries: What are*

the Options?

19. Invited Guest lecturer, 47th Annual Meeting of the Asociación Argentina de Ortopedia y Traumatología, Buenos Aires, Argentina, November 29, 2010 *Complex Knee Injuries: When Can They Return to Play?*
20. Invited Guest lecturer, 47th Annual Meeting of the Asociación Argentina de Ortopedia y Traumatología, Buenos Aires, Argentina, November 30, 2010 *Acromioclavicular Joint Injuries: Sling it or Fix it?*
21. Invited Guest lecturer, 47th Annual Meeting of the Asociación Argentina de Ortopedia y Traumatología, Buenos Aires, Argentina, November 30, 2010 *1st Time Anterior Shoulder Dislocation in the Athlete: Sling, Rehab or Surgery?*
22. Invited Guest lecturer, 47th Annual Meeting of the Asociación Argentina de Ortopedia y Traumatología, Buenos Aires, Argentina, November 30, 2010 *ACL Evidenced Based Outcomes*
23. Invited Expert Panelist, 47th Annual Meeting of the Asociación Argentina de Ortopedia y Traumatología, Buenos Aires, Argentina, November 30, 2010 *Shoulder Instability*
24. Invited Guest Speaker, 26th Annual Hawkeye Sports Medicine Symposium, Iowa City, Iowa, December 3, 2010 *Avoiding Complications in Shoulder Instability Surgery*
25. Invited Guest Speaker, 26th Annual Hawkeye Sports Medicine Symposium, Iowa City, Iowa, December 4, 2010 *Platelet Rich Plasma Therapy in the Athlete*
26. Invited Guest Speaker, 26th Annual Hawkeye Sports Medicine Symposium, Iowa City, Iowa, December 4, 2010 *Clavicle Fractures in the Athlete: Sling it or Fix it?*
27. Invited Guest Speaker, 26th Annual Hawkeye Sports Medicine Symposium, Iowa City, Iowa, December 4, 2010 *Arthroscopic and Non-Arthroplasty Management of Shoulder DJD in the Athlete*
28. Invited Guest Speaker, 26th Annual Hawkeye Sports Medicine Symposium, Iowa City, Iowa, December 4, 2010 *MCL Knee Injuries: Does Anything Need to be Done?*
29. Invited Guest Speaker, Current Concepts in Sports Medicine, Minneapolis, Minnesota, April 8, 2011 *My Journey into Sports Medicine: The road less traveled*
30. Invited Guest Speaker, Current Concepts in Sports Medicine, Minneapolis, Minnesota, April 8, 2011 Featured presentation: *The Masters Athlete: Options for the Degenerative Shoulder*
31. Visiting Professor, Ohio State University Sports Medicine Grand Rounds, Columbus, Ohio, September 23, 2011 *Rotator Cuff Tears Need Surgery! Clavicle Fractures Don't! Debunking the Dogma*
32. Invited Guest Speaker, John S. Smith Orthopaedic Symposium at Queens Medical Center in Honolulu, Hawaii on April 19, 2012 *AC Joint Injury and Reconstruction*
33. Invited Guest Speaker, Hawaii Orthopaedic Association's 27th Annual Combined Orthopaedic Spring Symposium - April 20, 2012 *Rotator Cuff Tears Need Surgery! Clavicle Fractures Don't! Debunking the Dogma*
34. Invited Guest Speaker, Hawaii Orthopaedic Association's 27th Annual Combined Orthopaedic Spring Symposium - April 21, 2012 *Evidence-based approach to Athlete*

with First-Time Shoulder Dislocation

35. Invited Guest Speaker, Hawaii Orthopaedic Association's 27th Annual Combined Orthopaedic Spring Symposium - April 21, 2012 *Sports Medicine: A Team Physician's Perspective and the Lessons Learned*
36. Visiting Guest Speaker, The Steadman Clinic, Vail, Colorado, June 18, 2012, *Rotator Cuff Tears Need Surgery & Clavicle Fractures Don't..... Truth or Dogma? & Sports Medicine: A Team Physician's Perspective and the Lessons Learned*
37. Invited Guest Speaker, American Medical Society for Sports Medicine (AMSSM) National Meeting, New Orleans, Louisiana, April 6, 2014 *Relocating the Evidence Behind Treatment for First Time Shoulder Dislocations*
38. Invited Guest Speaker, American Medical Society for Sports Medicine (AMSSM) National Meeting, New Orleans, Louisiana, April 6, 2014, *Current Considerations in Isolated and Combined Posterior Cruciate Ligament Injuries*
39. Invited Guest Speaker, American Medical Society for Sports Medicine (AMSSM) National Meeting, New Orleans, Louisiana, April 6, 2014, *Examination of the Shoulder and Elbow*
40. Visiting Professor, University of Kentucky Sports Medicine, Lexington, Kentucky, May 16, 2014 *How to Treat Meniscus Tears Operatively*
41. *Anterior instability with combined bone defects: When to do Latarjet and when to consider Remplissage (with technique)*. McCarty EC, CMOT, Brazil, June 29-July 2, 2016.
42. *MCL knee injury: Does anything need to be done?* McCarty EC, CMOT, Brazil, June 29-July 2, 2016.
43. *Management of pediatric and adult OCD*. McCarty EC, CMOT, Brazil, June 29-July 2, 2016.
44. *PCL injury: From non-operative to surgical management and return to play*. McCarty EC, CMOT, Brazil, June 29-July 2, 2016.
45. Invited Guest Speaker, American Academy of Sports Physical Therapy, Las Vegas, Nevada, November 29-December 1, 2018, *Surgical Treatment of Traumatic Shoulder Instability With and Without Bone Loss*.
46. Kaiser Orthopaedic Symposium, Huntington Beach, California, *Quadriceps Tendon ACLR: When & How*, February 9-10, 2019
47. AMSSM, Houston, Texas – keynote speaker, *The State of the Team Physician in Football*, April 12-17, 2019
48. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *Instability in Anterior Shoulder Trauma from Contact Sports*
49. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *Shoulder Instability: Latarjet and other options*
50. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *Treatment of Biceps Pain in the Athlete*
51. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *Subpectoral Biceps Tenodesis: How to make it simple*

52. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *Remplissage: When and How to do it?*
53. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *ACL Surgery: Keys to Success*
54. Peruvian Society of Trauma and Orthopedics Annual Congress 2019, Lima, Peru September 19-20, 2019 *Quadriceps Tendon for ACL Grafting: When and How?*
55. University of Colorado Department of Orthopaedic Surgery Grand Rounds, October 13, 2020, *The Team Physician: How To Do It Right.*
56. AANA22 Annual Meeting, San Francisco, CA May 19-21, 2022 *BEAR – “Game Changer” in ACL Surgery*
57. University of Minnesota, Department of Orthopedic Surgery, September 16, 2022, Grand Rounds: *Management of Anterior Shoulder Instability in the Collision Athlete Presentation*
58. AOSSM Annual Meeting 2022, Colorado Springs, CO July 16, 2022, General Session: Biceps Tenodesis Arthroscopic vs. Open (Presentation)
59. AAOS/AOSSM/AANA Sports Medicine Course, Park City, UT, January 22-25, 2023, *My 7 Pearls on how to be a Team Physician* (Presentation)
60. AAOS/AOSSM/AANA Sports Medicine Course, Park City, UT January 22-25, 2023, Case Presentation: *22 y/o Male D1 College Senior RB with 1st Dislocation in Preseason*
61. AAOS/AOSSM/AANA Sports Medicine Course, Park City, UT January 22-25, 2023, Case Presentation: *Grade V ACJ Separation in a 24 y/o Male Rock Climber – How to Fix?*
62. AAOS/AOSSM/AANA Sports Medicine Course, Park City, UT January 22-25, 2023, Evidence Review: *Pre-Participation Physicals – From HS to the Pros – How to Do These in Your Community*
63. ICL AOSSM Revision Shoulder Instability: *When you should use Remplissage vs. Bone Grafting in Revision Shoulder Instability.* McCarty EC, Congreso Internacional XIV SLARD XVII AAA 2024, Buenos Aires, Argentina, March 13-15th 2024
64. AOSSM Shoulder Instability Symposium: *Management of Anterior Instability in Athletes During the Season.* McCarty EC, Congreso Internacional XIV SLARD XVII AAA 2024, Buenos Aires, Argentina, March 13-15th 2024
65. University of Virginia Resident Graduation Visiting Faculty and Lecturer June 20th - 22nd 2024

PATENTS (1)

1. US Patent Number 7,563,236 Shoulder Sling with Support Pillow and Pouch, Co-Inventor, 07/21/09

RESEARCH GRANTS (33)

1. First Time Investigator Research Grant, 2000-2001, American Orthopaedic Society for Sports Medicine; *Functional Patient-Centered Outcomes of Active Individuals with Articular Cartilage Knee Degeneration*, Principal Investigator \$ 13,817
2. National Football League (NFL) Charities Grant, 2000-2002; *Incorporation and*

- Function of Fresh Osteochondral Grafts*, Principal Investigator \$ 241,497
3. Orthopaedic Research and Education Fund, Prospective Clinical Research Grant, 2005-2008 *Prospective Randomized Multi-Center study on Sling Immobilization after First-Time Dislocation: External Rotation versus Traditional*, Principal Investigator \$ 141,000
 4. National Institutes of Health, RO1 Clinical Research Grant, 2007-2010 *Prognosis and Predictors of ACL Reconstruction: A Multicenter Cohort Study* Co-Investigator, Principal site-investigator \$1,898,426
 5. MTF Allofix Repair, 2009-2014 Principal Investigator \$38,010
 6. Depuy Sports Medicine Fellow – 14, 2013-2014, Principal Investigator \$21,500
 7. Smith & Nephew 14 Fellowship – 2013-2014, Principal Investigator \$24,000
 8. BM31 Fellowship – 2013-2014, Principal Investigator \$35,000
 9. Stryker Biomed Test Tendon, 2011-2014, Principal Investigator \$55,818
 10. Howmedics Rotator Cuff Repair, 2013-2015, Principal Investigator \$85,526
 11. SMNE 2015-2016, Principal Investigator, \$25,000
 12. Depuy Fellow FY 15, 2014-2015, Principal Investigator, \$20,000
 13. BMET 14-15 Fellowship Support, Principal Investigator, \$30,000
 14. VUMC-P&P/ACL RCON.FC, 2006-2015, Principal Investigator, \$46,837
 15. ORTHOPED CORP, 2016, Principal Investigator, \$684
 16. SMNE Fellowship 2015-2016, Principal Investigator, \$25,000
 17. Depuy Sports Fellow, 2015-2016, Principal Investigator, \$15,000
 18. Arthrex Sport Fellowship, 2016-2017, Principal Investigator, \$20,000
 19. Synthes USA Fellow, 2016-2017, Principal Investigator, \$11,000
 20. SMNE Fellow Sports Medicine , 2016-2017, Principal Investigator, \$22,500
 21. S&N Sports Fellowship, 2017-2018, Principal Investigator, \$21,375
 22. Arthrex: Fellow 2017-2018, Principal Investigator, \$20,000
 23. AANA Sports Fellowship, 2017-2018, Principal Investigator, \$7,300
 24. AANA Sorts Fellowship, 2018-2019, Principal Investigator, \$5570
 25. Histogenics Repair Cartilage 2012-2019, Principal Investigator, \$64,270
 26. SMNE Sports Fellowship, 2018-2019, Principal Investigator, \$21,375
 27. Arthrex, Sports Medicine Fellowship, 2018-2019, Principal Investigator, \$40,000
 28. Fellow: Ortho Research McCarty, 2018-2019, Principal Investigator, \$30,000
 29. OSAM Ortho Sports Fellowship, Principal Investigator, \$40,000
 30. AEF Ortho McCarty Research, 2012-2022, Principal Investigator, \$225,000
 31. *The SUN Clinical Trial: Utilizing NUsurface® Meniscus Implant* 2015-2018, Co-Investigator, Principal site-investigator \$203,400
 32. *A Randomized Comparison to NeoCart to Microfracture for the Repair of Articular*

Cartilage Injuries in the Knee 2012-2019, Co-Investigator, Principal site-investigator
\$953,820

33. *Operative versus Non-operative Treatment for Atraumatic Rotator Cuff Tears: A Multicenter Randomized Controlled Pragmatic Trial* 2018-2022, Principal site-investigator

CURRENT RESEARCH TOPICS (15)

1. "Multi-Center Orthopedic Outcomes Network (MOON)" First Time ACL Repair and Multi-Center ACL Revision Study (MARS)
2. Features to Predict Success with Non- Operative Treatment of Patients with Rotator Cuff Tears
3. Autograft Plus Allograft Hybrid ACL Reconstruction
4. A Randomized Comparison of NeoCart to Microfracture for the Repair of Articular Cartilage Injuries in the Knee
5. MOON Shoulder Instability: Patients Undergoing Operative Treatment for the Shoulder Capsule or Labrum
6. CU Sports Medicine Outcomes Registry
7. The SUN Clinical Trial: Safety Utilizing NUsurface® Meniscus Implant. A multi-center, single-arm, prospective, open label, non-randomized, observational clinical study
8. Operative versus Non-operative Treatment for Atraumatic Rotator Cuff Tears: A Multicenter Randomized Controlled Pragmatic Trial
9. Failure of ACL Allograft: Does Tendon Type Make a Difference
10. Shoulder Arthroplasty Registry
11. A Prospective, Single Blinded, Multi-Center, Randomized, Controlled, Pivotal Study to Assess the safety and Effectiveness of the InSpac Device for Treatment of Full Thickness Massive Rotator Cuff Tears
12. Qualitative Outcomes and Operative Experience in Patients with Total Shoulder Arthroplasty: Comparison to Total Hip and Knee Arthroplasty
13. Pain and Functional Recovery after Shoulder Surgery
14. The Effect of Pre-operative Remnant Tendon Length and Musculotendinous Junction Position on Rotator Cuff Healing and Clinical Outcomes Following Single-Versus Double-Row Repair
15. Operative versus Non-operative Treatment for Atraumatic Rotator Cuff Tears: A Multicenter Randomized Controlled Pragmatic Trial