

**Curriculum Vitae  
Cory M. Edgar MD, PhD**

**CONTACT INFORMATION:**

**1 Royce Circle  
Suite 104  
Storrs, CT 06268  
Email: [coedgar@uchc.edu](mailto:coedgar@uchc.edu)  
Work Phone: 860-487-9260  
Cell Phone: 630-362-5698**

**ACADEMIC TRAINING:**

- 2006 MD, Ph.D. Boston University School of Medicine, Boston, MA, PhD Awarded by Biochemistry Department, Emphasis in Cell and Molecular Biology
- 1999 M.S. Boston University, Boston, MA; All required course work completed for M.S., Molecular, Cell Biology and Biochemistry
- 1996 B.A. Benedictine University, Lisle, IL; Cum Laude, Molecular and Cellular Biology

**POSTDOCTORAL TRAINING:**

- 2011-2012 Fellow in Orthopedic Sports Medicine, University of Connecticut Health Center, Farmington, CT
- 2007-2011 Resident – Department of Orthopedic Surgery, Boston University Medical Center, Boston, MA
- 2006-2007 Intern in General Surgery, Boston University Medical Center, Boston, MA

**ACADEMIC APPOINTMENTS:**

- 2013- Present Assistant Professor, University of Connecticut, Storrs, CT
- 2019- 2020 Director, UConn Health Institute for Sports Medicine
- 2016- 2020 Assistant Director Sports Medicine Fellowship, UConn
- 2017- Present Clinical Professor, Department of Kinesiology, University of Connecticut
- 2012- 2014 Assistant Professor, Boston University, Boston, MA

**HOSPITAL APPOINTMENTS:**

- 2013-CURRENT Assistant Professor University of Connecticut  
Attending Surgeon, Division of Sports Medicine  
Department of Orthopedic Surgery,  
UConn Health  
Farmington, CT and Storrs, CT
- 2012- 2013 Assistant Professor and Team Physician Boston University,  
Attending Surgeon, Division of Sports Medicine  
Department of Orthopedic Surgery,  
Boston Medical Center, Boston, MA

**AWARDS/HONORS:**

- 2019                    **US Coast Guard Academy Service Recognition Award for Service**  
US COAST GUARD ACADEMY, NEW LONDON, CT
- 2016                    **AANA 2016 Advanced Arthroscopy Traveling Fellowship**  
GOD FATHER – DR RICHARD RYU (RYU-HURVITZ ORTHOPEDIC CLINIC, CA)
- 2012                    **AOSSM Award: Research Mentoring Development Program**  
MENTOR – KURT SPINDLER (CLEVELAND CLINIC )
- 2012                    **AAOS/OREF/ORS – AANA representative: Clinician Scholar Development Program** – Awarded invitee. Chicago, IL
- 2012                    **ORS/OREF/AAOS Research Funding Workshop: Strategies for Success** – Awarded invitee. Long Beach, CA
- 2012                    **Arciero-Warner Resident/Fellow research award, NESES Annual Meeting, Jay Peak VT 2012:**  
For the paper “Biological augmentation of rotator cuff tears: From the OR back to the Lab”
- 2003                    **Resident / Fellow Essay Award- Clinical Category** Arthroscopy Association of North America, Annual ANAA meeting April 2003  
For the paper: “A Prospective Study Comparing Autograft vs Allograft Hamstrings for Anterior Cruciate Ligament Reconstruction.”
- 2001-2002            **Mehos Merit and Research Scholarship**, 2000-2001 academic year.
- 2001-2002            **American Medical Association Education and Research Fellowship**, 2000-2001 academic year.

**LICENSES AND CERTIFICATION:**

- 2012- 2019            Massachusetts Full Medical License - # 251002
- 2011- Present        Connecticut Full Medical License # 050405
- 2011-                    American Academy of Orthopedic Surgeons – Board Certified (2017)
- 2017 -                    Sports Medicine Surgical Sub-specialty Designation (Qualified)

**PROFESSIONAL TEACHING EXPERIENCE:**

- 2020                    **Master Instructor/Presenter** for AANA 3rd Annual Fellows/Chief Residents Course: 1002 February 21-22, 2020 Location: Chicago, IL Proximal Patella Stabilization Procedures: Options and tips, Meniscus Allograft Transplantation Tips and Questions.

- 2020 **Invited Presenter:** New England Shoulder and Elbow Society, February 6-8, 2020 Jay Peak, VT
- 2019 **Invited Presenter:** New England Orthopedic Society, Boston MA Nov 22<sup>nd</sup> 2019. Management of Concussion in Sports.
- 2019 **Associate Master Instructor/ Presenter** APEX Course #: 913 AANA Advanced Knee Ligament, Meniscus and Articular Cartilage Course. Rosemont, IL Nov 1-3 2019: “Tibial Tubercle Osteotomies: Indications and Techniques”, “HTO and DFO Osteotomy Demonstration”
- 2019 **Invited Faculty Fall Fellows Course, Mitek.** Industry Sponsored invite fall fellows course. Miami FL, Oct 5-6 2019. Meniscus Repair: Root, all-inside and traditional techniques.
- 2019 **Master Instructor/Presenter** for AANA 2rd Annual Fellows/Chief Residents Course: 905 June 7-8, 2019 Location: Chicago, IL Lectures: The Unstable Patella: MPFL vs MQTFL, Meniscus Ramp Lesions and Root Tears, Meniscus Allograft Transplantation.
- 2018 **2<sup>nd</sup> Annual Transosseous Academy (Organizer)** November 10, 2018 Boston, MA. Biomechanics and Biology; where is the link?
- 2018 **AAOS/AOSSM SPORTS MEDICINE REVIEW COURSE INVITED LECTURE:** Course Director Thomas Gill and Christopher Kaeding. August 10-12, 2018 Lecture: “Leg and Ankle Sports Review
- 2018 **Master Instructor/Presenter** for AANA 1st Annual Fellows/Chief Residents Course: 905 June 22-24, 2018 Location: Chicago, IL
- 2018 **2018 Spring Meeting, New England Orthopedic Society (Program Chair for Meeting)** Harwich, MA, June 1-3 2018.
- 2017 **AAOS/AOSSM SPORTS MEDICINE REVIEW COURSE INVITED LECTURE:** Course Director Thomas Gill and Christopher Kaeding. August 14-16, 2017. Lecture: “Leg and Ankle Sports Review
- 2016 **Associate Master Instructor/ Presenter** for AANA Instructional Course: 510 Advanced Treatment Options for the Management of Meniscus and Articular Cartilage Reconstruction Information: Sept 10-11, 2016 Location: Chicago, IL
- 2016 **Associate Master Instructor/ Presenter** for AANA Instructional Course: Patellofemoral Knee Course on Sept 09, 2016 Location: Chicago, IL Presentation “Finding the Sweet Spot for MPFL/MQTFL Fixation”
- 2016 **AAOS/AOSSM SPORTS MEDICINE REVIEW COURSE INVITED LECTURE:** Course Director Thomas Gill and Christopher Kaeding. August 12-14, 2016. Lecture: “Leg and Ankle Sports Review
- 2016 **Assistant Program Organizer and Lecturer: NESES Annual meeting 2016:** Course Director Dr Mazzocca. Jay Peak, VT February 2016. Moderator for Shoulder Instability section and Sports Shoulder lecture: Clavicle Fracture Management 2015 Update
- 2015 **Associate Master Instructor/ Presenter** for AANA Instructional Course: Patellofemoral Knee Course on Sept 12-13, 2015 Location: Chicago, IL Presentation “Finding the Sweet Spot for MPFL/MQTFL Fixation”

- 2015 **AAOS/AOSSM SPORTS MEDICINE REVIEW COURSE INVITED LECTURE:** Course Director Brian Busconi and Thomas Gill. August 14-16<sup>th</sup>. Lecture: “Leg and Ankle Sports Review”
- 2015 **AOSSM ANNUAL MEETING SESSION MODERATOR:** PATELLA FEMORAL
- 2015 **Assistant Program Organizer and Lecturer: NESES Annual meeting 2015:** Course Director Dr Mazzocca. Jay Peak, VT February 2015. Moderator for Shoulder Instability section and Sports Shoulder lecture: Clavicle Fracture Management 2015 Update
- 2014 **Course Program Director: Evaluation and Treatment of the Injured Athlete: Sports Medicine Update 2014:** Course Co-Directors, Dr Schepsis and Mazzocca. Martha’s Vineyard August 4<sup>th</sup> -8<sup>th</sup> 2014.
- 2014 **Associate Master Instructor/ Presenter** for AANA Instructional Course: Patellofemoral Knee Course on February 28<sup>th</sup> – March 1st, 2014 Location: Chicago, IL Presentation “Finding the Sweet Spot for MPFL/MQTFL Fixation”
- 2013 **Associate Master Instructor** for AANA Instructional Course: Patellofemoral Knee Course on April 12-14<sup>th</sup>, 2013 Location: Chicago, IL
- 2012 **Associate Master Instructor** for AANA Instructional Course: Patellofemoral Knee Course on January 20-21, 2012 Location: Chicago, IL
- 2013-Present Assistant Professor University of Connecticut  
 Monthly Sports Medicine Journal Club (Resident/Fellow Education)  
 Resident and Undergrad (Medical Students/PT Students) Educational Lectures  
 Intra-operative teaching with junior residents  
 Research Mentorship – Fellows, Residents and Medical Students
- 2012-2014 Assistant Professor Boston University  
 Sports Medicine Journal Club (Resident Education)  
 Resident and Undergrad (PT/AT student) Educational Lectures  
 Research Mentorship – Residents and Medical Students
- 2011-2012 Fellow in Orthopedic Sports Medicine Teaching Responsibilities  
 Weekly Sports Medicine Journal Club (Resident Education)  
 Monthly MRI Conference- case based (Resident Education)  
 Medical Student teaching – Anatomic Dissection Prosecutor and Lecturer  
 Intra-operative teaching with junior residents
- 2007-2011 Resident in Orthopedic Surgery Teaching Responsibilities  
 Medical Student Teaching – rotating MS3 and MS4 students  
 Intra-operative and clinical teaching with junior residents
- 2002-2004 PhD Candidate – Department of Biochemistry, Boston University School of Medicine

#### OTHER PROFESSIONAL ACTIVITIES:

##### Team Coverage Experience

- 2016- Present Head Team Physician - **US Coast Guard Academy** Division III Men’s and Women’s Athletic sports coverage – Football, Ice Hockey, Basketball, Soccer, Field Hockey, Lacrosse. Responsible for Cadets and Athlete injury treatment, clearance and injury prevention programs.
- 2021 Head Team Physician - **Norwich Sea Captains**. JRs Hockey Program. Norwich, CT

- 2021 Medical Director – **Basketball Hall of Fame Induction Ceremony**. Professional Coverage and Medical Logistics for Induction Events for Class of 2020 (May, 2021) and Class of 2021 (September, 2021)
- 2020-2021 Medical Director - **Bubble Ville (NCAA Basketball Tournament)** Two-week event, isolation event related to COVID, COVID officer and Orthopedic care for sports coverage – NCAA Men’s and Women’s Basketball; Wednesday, November 25 - Saturday, December 5
- 2020-2021 Medical Director – **Big East Women’s Tournament (NCAA Basketball Tournament)** isolation event related to COVID, Served as Medical director, COVID officer and Orthopedic care for sports coverage – NCAA Women’s Basketball; March 5<sup>th</sup> – 9<sup>th</sup>.
- 2020-2021 Orthopedic Physician/Ring Side MD - **Bellator MMA/Showtime Boxing events Mohegan Sun Arena**. Management of acute injuries and orthopedic care of professional athletes. > 40 events
- 2018- 2020 Head Team Physician – **Eastern Connecticut State University Division III** Men’s and Women’s Athletic sports coverage – Baseball, Softball, Basketball, Soccer, Field Hockey, and Lacrosse. Club Sports: Football
- 2017-2019 Head Team Physician – **New England Blackwolves**, Professional Lacrosse Team, National Lacrosse League (NLL).
- 2016- 2020 Head Team Physician – **Connecticut College Division III** Men’s and Women’s Athletic sports coverage –Ice Hockey, Basketball, Soccer, Field Hockey, Lacrosse.
- 2013 - 2020 Team Orthopedic Physician – **University of Connecticut Division I** Men’s and Women’s Athletic sports coverage – Football, Ice Hockey, Basketball, Soccer, Field Hockey, Lacrosse. Club Sports
- 2014- Present Team Orthopedic Consult Physician - CT Attack/Lightening AAU Women’s Basketball Program.
- 2012 - 2013 Team Physician – **Boston University** Division I Men’s and Women’s Athletic sports coverage – Ice Hockey, Basketball, Rugby, Soccer, Field Hockey, Lacrosse. ROTC
- 2011-2012 Assistant Team Physician – University of Connecticut Athletics 2011-2012 Season, Division I Athletic sports coverage – Football, Basketball, Hockey, Soccer, Field Hockey, Lacrosse
- 2010-2011 Assistant Team Physician – Boston University Hockey (2010-11 Season)
- 2009-present Ringside physician coverage:  
Professional Boxing: Mohegan Sun Resort and Foxwoods Casino  
Professional Mixed Martial Arts fighting (MMA) Mohegan Sun Resort  
World Wrestling Entertainment (WWE) New England events covering physician  
US Amateur Boxing, Massachusetts, Connecticut and Rhode Island

#### **PROFESSIONAL SOCIETIES: MEMBERSHIPS, OFFICES, AND COMMITTEE ASSIGNMENTS**

- 2015-2020 New England Orthopedic Society (Board Member/Educational Program Chair)
- 2012-Present New England Shoulder and Elbow Society
- 2011- Present Arthroscopy Association of North America
- 2011- Present American Orthopaedic Society for Sports Medicine (Educational Board)
- 2011- Present American Academy of Orthopaedic Surgery
- 2007- Present Orthopedic Research Society

**EDITORIAL BOARDS:****Editorial:**

Reviewer for: Arthroscopy Association of North America  
 American Journal of Sports Medicine  
 Clinical Orthopedics and Related Research  
 Clinical Anatomy

**MAJOR COMMITTEE ASSIGNMENTS:****Nonprofit Companies**

2017- Present Musculoskeletal Transplant Foundation (MTF): Medical Board of Trustees (MBOT)  
 Member

**Medical/Surgical Society**

2015-2020 AOSSM – Research Committee Member. Committee approves, grant funding and guides research and academic directives instituted by the society  
 2016-2020 Arthroscopy Association of North America (AANA)  
 Chairman – E Learning Committee Educational Committee Member, Emerging Leaders  
 Member - OLC planning Committee  
 Chairman - SCOPE of Excellence Project

**Study Sections**

National Institutes of Health

None

Department of Defense:

Program Project: Peer Reviewed Orthopaedic Research Program, Orthopaedic Care and Rehabilitation Consortium Award (2017)

**Current or Applied Grant Support:**

Awarded 2018 Biodegradable Matrices for Bone Healing\*.  
**Time Commitment:** 1.8 months (3% effort)  
**Role:** Co-Investigator at 3% Effort (PI-Dr. Kumbar)  
**Supporting Agency:** National Institute of Health-1 R01 EB020640-01  
**Performance Period:** 09/01/2016-08/31/2021  
**Goals/Aims:** The goal of this project is to evaluate the effect of material degradation on the stem cell differentiation and bone healing.

Active Granted 2016 DOD Grant: **Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial / The STaR Trial.**  
 Site Co-PI Dr Cory Edgar  
 1% cost-share commitment  
 University of Pittsburgh/Department of Defense  
 James Irrgang  
 30-September 30, 2017 - September 29, 2021  
 \$63,641  
 Multicenter site clinical trial on timing and rehabilitation for multiple ligament knee injuries

Granted 2014 Private Research Grant (Zetros Inc) – 2014 Research Grant Title: Long Duration Therapeutic Ultrasound for Knee Osteoarthritis. PI: Cory Edgar, MD PhD Funding amount \$32,500

Granted 2013 Private Research Grant (NCS Lads Sri. Milan Italy) - 2013 Research Grant Title: Cadaver Rotator Cuff Repair Technique Comparison: Single Medial Row (Standard Technique) Compared to the Transosseous Sharc-FT Technique, new product evaluation. PI: Cory Edgar, MD PhD Funding amount \$13,938

- Applied 2012 Arthroscopy Association of North America (AANA) - 2012 Research Grant (Applied)  
Title: Biomechanical importance of medial meniscal-capsular structure on anterior cruciate ligament (ACL) tension: a commonly missed lesion associated with ACL ruptures. Mentor: Dr. Arciero PI: Cory Edgar, MD PhD Funding amount \$13,000
- Applied 2012 AOSSM/MTF Meniscal Allograft Transplant Grant Proposal: "Determining the ability of locally derived bone marrow stem cell concentrates to adhere, survive, and differentiate within the matrix of meniscal allograft transplants." Mentor Dr. Mazzocca, Collaborative PI Cory Edgar MD, PhD. Funding amount: \$193,743

### **Past Other Support:**

- 2004-2005 Marshall F. Urist Residency Research Award **2004:** Molecular Mechanisms of PTH-Mediated Enhancement of Fracture Repair. Mentor: Dr. Einhorn Primary recipient: Sanjeev Kakar, M.D., Minor collaborator; Cory Edgar, MD PhD

### **Invited Lectures and Presentations**

1. **2020 Select Physical Therapy's 25<sup>th</sup> Annual Sports Medicine Symposium (WebEx Meeting)**  
Treatment of the 1<sup>st</sup> time Patella Dislocation in 2020
2. **2019 National Athletic Trainers Association: Invited Speaker (AOSSM/NATA Panel) (Las Vegas June 2019)** Shoulder Injury Management in Contact Athlete: Instability, Clavicle Fracture and AC Joint Injury
3. **2019 AANA/OLC Fellows Course, Course Director Knee Section, Chicago IL June 6-8<sup>th</sup>**  
Meniscal Ramp and Root Tears, How to Repair Reliably and in Whom, The Unstable Patella: MPFL v. MQTFL. Master Instructor
4. **2019 AANA Annual Meeting, Invited Lecturer. Orlando, FL May 2-4:** Blarney! Inside out Clear Winner, Blarney! ALL is Overkill, Instructional Course Lecture: Surgical Considerations in Revision ACL Reconstruction.
5. **2019 AAOS Annual Meeting Invited Lecturer, March Las Vegas.** Surgical Considerations in Revision Anterior Cruciate Ligament Reconstruction, Multiple Ligament Knee Injuries – What Would You Do?, Complex Meniscal and Articular Cartilage Cases – Scratching the Surface
6. **2018 Professional Course:** Evaluation and Treatment of the Injured Athlete: Advanced Surgical and Rehabilitation Course. Martha's Vinyard July 22-26<sup>th</sup>, 2018. Lectures: Biceps Tenodesis vs SLAP Repair, Orthobiologics in Cartilage repair, Arthroscopic anchorless RCR
7. **2017 Invited Professor Transosseous Rotator Cuff Repair Academic Academy:** Host Dr A.Castagna; Humanitas hospital congress center, Milan Italy. February 2017 Lectures: The biological rationale in a transosseous approach; Learning curve: tips and tricks to be successful in transosseous repairs.
8. **2016 Invited Professor Detroit Medical Center Sports Medicine Lecture Series** Sept 13-14<sup>th</sup> 2016, Detroit, MI. Lectures: 1. Understanding Meniscus Injuries associated with ACL ruptures. 2. Overview of Patellofemoral Injuries: Keys to successful management.
9. **2016 Invited Lecture: NEOS Annual Meeting:** Woodstock, VT June 2016: Meniscus Repairs and Biologic Augmentation, Update 2016: Lecture and Moderator of "Sports Specialization and Overuse Injuries in the Young Athlete"
10. **2016 Boston University Grand Rounds Invited Professor;** May 25, 2016 Boston, MA  
Lecture: Research Update on PF Instability Surgery, are we there yet?
11. **2016 AANA Annual Meeting** – Podium Presentation: "Biomechanical Consequences of Excessive Patella Distalization" Boston, MA April 2016
12. **2015 Invite Lecture: "Leg/Ankle"** Annual AOSSM & AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine August, 2015 Chicago, IL

13. **2015 Invited Symposium Moderator:** “The Use of Technology Across Orthopaedics” Eastern Orthopedics Meeting, Maui HI June 2015
14. **2015 NESES Annual Meeting: Meeting Moderator and Lecturer:** Session moderation – Shoulder instability, Lecture “ Clavicle fracture: Update 2015”. Jay Peak, Vt February 2105
15. **2014 Invited Grand Rounds Lecture:** “Posterior-medial Meniscus Tear – The Hidden Lesion” Boston University, Boston MA October 2014.
16. **2014 Invited Lecture/Faculty:** “New Challenges & New Solutions on Work-Related Injury & Musculoskeletal Therapy and Rehabilitation Meeting” Waltham, MA April 24-25<sup>th</sup>.  
Presentations: Shoulder Injections: The role of corticosteroid injection & PRP in patients: Blind versus U/S guided; Knee Injuries: Treatment options – Nonoperative and Operative. Panel member, Moderator
17. **2013 Invited Lecture/Faculty:** “Treatment Considerations for Patellafemoral Instability.” NEOS Fall Meeting, November 22-23 Boston MA
18. **2013 Invited Lecture/Faculty:** “Meniscal Transplant: Indications and Technique.” NEOS Spring Meeting, June 7-9 Boston MA
19. **2013 Invited Lecture/Faculty:** “Rehabilitation Summit of 2013: Recent Advances in the Evaluation & Treatment of Selected Topics in Sports Medicine & Orthopaedics” Boston, MA. April 19-21, 2013  
Presentations: ACL reconstruction surgery: Graft Choices and Management of Concomitant injuries: Surgical Management of Articular Cartilage Lesions: Surgical Management of Meniscal Tears and Meniscal Transplants.
20. **2013 Invited Lecture/Faculty:** “New Challenges & New Solutions on Work-Related Injury & Musculoskeletal Therapy and Rehabilitation Meeting” Waltham, MA April 4-5<sup>th</sup>. Presentations: Commonly seen shoulder injuries, an orthopedic perspective. Panel member
21. **2013 Invited Lecture/Faculty:** NESES Annual Meeting, Jay Peak, VT. Presentation: “Glenoid Dysplasia: What is it? How do measure it and what does it mean”
22. **2012 Invited Lecture:** Grand Rounds: Lahey Clinic, Department of Orthopedic Surgery. Burlington, MA. Presentation: “Meniscal Transplantation: Indications and Technique”
23. **2012 Invited Lecture:** Grand Rounds: Boston Medical Center, Department of Orthopedic Surgery. Boston, MA. Presentation: “The Meniscus – Full Circle: Open Meniscectomy to Meniscal Transplantation.”
24. **2012 Invited Lecture:** Grand Rounds: Boston Medical Center, Department of Orthopedic Surgery. Boston, MA. Presentation: “Complications in MPFL (Medial Patella-Femoral Ligamen) Reconstruction Surgery?”
25. **2012 Invited Lecture:** Grand Rounds: University of Connecticut, Department of Anesthesia Farmington, CT. Presentation: “Commonly encountered shoulder problems: An Orthopaedic perspective”.

26. **2012** Invited Lecture: Association of peri-Operative Registered Nurses (AORN) Chapter 1 Spring meeting: “My Achy Breaky Joints” New Briton, CT. Presentation: “Commonly encountered shoulder problems: An Orthopedic perspective”.

**ORIGINAL, PEER REVIEWED ARTICLES:**

1. Muench LN, Wolf M, Kia C, Berthold DP, Cote MP, Fischler A, Arciero RA, **Edgar C**. A reduced concentration femoral nerve block is effective for perioperative pain control following ACL reconstruction: a retrospective review. *Arch Orthop Trauma Surg*. 2021 Oct 21. doi: 10.1007/s00402-021-04221-3. PMID: 34673999.
2. Berthold DP, Bell R, Muench LN, Jimenez AE, Cote MP, Obopilwe E, **Edgar CM**. A new approach to superior capsular reconstruction with hamstring allograft for irreparable posterosuperior rotator cuff tears: a dynamic biomechanical evaluation. *J Shoulder Elbow Surg*. 2021 Jul;30(7S):S38-S47. doi: 10.1016/j.jse.2021.04.002. Epub 2021 Apr 21. PMID: 33892119.
3. O'Brien DF, Fones L, Stoj V, **Edgar C**, Coyner K, Arciero RA. Confirming Proper Button Deployment of Suspensory Fixation During ACL Reconstruction. *Orthop J Sports Med*. 2021 Jan;9(1):2325967120974349. doi: 10.1177/2325967120974349. eCollection 2021 Jan. PMID: 33521157
4. Berthold DP, Willinger L, LeVasseur MR, Marrero DE, Bell R, Muench LN, Kane Z, Imhoff AB, Herbst E, Cote MP, Arciero RA, **Edgar CM**. High Rate of Initially Overlooked Kaplan Fiber Complex Injuries in Patients With Isolated Anterior Cruciate Ligament Injury. *Am J Sports Med*. 2021 Jul;49(8):2117-2124. doi: 10.1177/03635465211015682. PMID: 34086492
5. Davi SM, Lepley AS, Denegar CR, DiStefano LJ, **Edgar CM**, Lepley LK. Quadriceps Inhibition After Naturally Occurring Patellar Tendon Damage and Pain. *J Athl Train*. 2020 Jun 23;55(6):608-614. doi: 10.4085/1062-6050-27-19. PMID: 32348153
6. Devaney LL, Denegar CR, Thigpen CA, Lepley AS, **Edgar C**, DiStefano LJ. Preseason Neck Mobility Is Associated With Throwing-Related Shoulder and Elbow Injuries, Pain, and Disability in College Baseball Pitchers. *Orthop J Sports Med*. 2020 May 18;8(5): PMID: 32523967
7. Bell R, Jimenez AE, Levy BJ, Willson R, Arciero RA, **Edgar CM**. Use of a Superolateral Portal and 70° Arthroscope to Optimize Visualization of Patellofemoral Tracking and Osteochondral Lesions in Patients With Recurrent Patellar Instability. *Arthrosc Tech*. 2020 Nov 20;9(11):e1731-e1736. PMID: 33294334
8. Trojan JD, Meyer LE, **Edgar CM**, Brown SM, Mulcahey MK.. Epidemiology of Shoulder Instability Injuries in Collision Collegiate Sports From 2009 to 2014. *Arthroscopy*. 2020 Jan;36(1):36-43.
9. Wiley TJ, Lemme NJ, Marcaccio S, Bokshan S, Fadale PD, **Edgar C**, Owens BD. Return to Play Following Meniscal Repair. *Clin Sports Med*. 2020 Jan;39(1):185-196.

10. **Edgar C**, Kumar N, Ware JK, Ziegler C, Reed DN, DiVenere J, Obopilwe E, Cote MP, Arciero RA. Incidence of Posteromedial Meniscocapsular Separation and the Biomechanical Implications on the Anterior Cruciate Ligament. *J Am Acad Orthop Surg*. 2019 Feb 15;27(4):e184-e192. doi: 10.5435/JAAOS-D-17-00327.
11. Kumar NS, Spencer T, Cote MP, Arciero RA, **Edgar C**. Is Edema at the Posterior Medial Tibial Plateau Indicative of a Ramp Lesion? An Examination of 307 Patients With Anterior Cruciate Ligament Reconstruction and Medial Meniscal Tears. *Orthop J Sports Med*. 2018 Jun 28;6(6): doi: 10.1177/2325967118780089.
12. Kumar NS, **Edgar C**, Spencer T, Ware JK, Reed DN, Cote MP, Arciero RA. Anatomic Repair of Posteromedial Meniscocapsular Separation Using an All-Inside Technique. *Arthroscopy*. 2017 Nov;33(11):2038-2044.
13. Yang JS, Fulkerson J, Obopilwe, E, Voss, A, Mazzocca, A, Divenere, J, **Edgar CM**. Patellofemoral Contact Pressures After Patellar Distalization: A Biomechanical Study. *Arthroscopy*. 2017 Nov;33(11):2038-2044. doi: 10.1016/j.arthro.2017.06.043.
14. Voss A, Shin SR, Murakami AM, Cote MP, Achtnich A, Herbst E, Schepsis AA, **Edgar C**. Objective quantification of trochlear dysplasia: Assessment of the difference in morphology between control and chronic patellofemoral instability patients. *Knee*. 2017 Oct;24(5):1247-1255. doi: 10.1016/j.knee.2017.05.024. Epub 2017 Jun 27.
15. Dyrna F, Voss A, Pauzenberger L, Obopilwe E, Mazzocca AD, Castagna A, **Edgar C**. Biomechanical evaluation of an arthroscopic transosseous repair as a revision option for failed rotator cuff surgery. *BMC Musculoskelet Disord*. 2018 Jul 19;19(1):240. doi: 10.1186/s12891-018-2089-4. PMID: 30025529;
16. **Edgar CM**, Singh H, Obopilwe E, Voss A, Divenere J, Tassavor M, Comer B, Sanchez G, Mazzocca AD, Provencher MT. Pectoralis Major Repair: A Biomechanical Analysis of Modern Repair Configurations Versus Traditional Repair Configuration. *Am J Sports Med*. 2017 Oct;45(12):2858-2863. doi: 10.1177/0363546517716175.
17. Ziegler, C, Fulkerson JP, **Edgar CM**. Radiographic Reference Points are Inaccurate Without a True Lateral Radiograph: The Importance of Anatomy in Medial Patellofemoral Ligament Reconstruction. *Am J Sports Med*. 2016 Jan;44(1):133-42. doi: 10.1177/0363546515611652.
18. Mulcahey MK, **Edgar CM**, O'Brien MJ, Wilson KW. Life Lessons, Leadership, and Enduring Friendships. *Arthroscopy*. 2016 Oct;32(10):2176-2178. doi: 10.1016/j.arthro.2016.05.006.
19. Yang JS, Mazzocca AD, Cote MP, **Edgar CM**, Arciero RA. Recurrent Anterior Shoulder Instability with Combined Bone Loss: Treatment and Results With the Modified Latarjet Procedure. *Am J Sports Med*. 2016 Apr;44(4):922-32.

20. Avery DM 3rd, Rodner CM, **Edgar CM**. Sports-related wrist and hand injuries: a review. *J Orthop Surg Res*. 2016 Sep 16;11(1):99. doi: 10.1186/s13018-016-0432-8.
21. Fulkerson JP, **Edgar C**. Medial Quadriceps Tendon – Femoral Ligament: Surgical Anatomy and Reconstruction Technique to Prevent Patella Instability. *Arthrosc Tech*. 2013 Apr 12;2(2):e125-8. doi: 10.1016/j.eats.2013.01.002.
22. Scordino LE, Obopilwe E, Charette R, **Edgar CM**, DeBerardino TM, Mazzocca AD. Calcium phosphate cement enhances the torsional strength and stiffness of high tibial osteotomies. *Knee Surg Sports Traumatol Arthrosc*. 2017 Mar;25(3):817-822. doi: 10.1007/s00167-015-3692-7
23. Beitzel K, Cote MP, Apostolakos J, Solovyova O, Judson CH, Ziegler CG, **Edgar CM**, Imhoff AB, Arciero RA, Mazzocca AD. Current concepts in the treatment of acromioclavicular joint dislocations. *Arthroscopy*. 2013 Feb;29(2):387-97. doi: 10.1016/j.arthro.2012.11.023. PMID: 23369483.
24. Edgar, Cory MD PhD., Einhorn Thomas A. MD. Treatment of Avascular Necrosis of the Femoral Head With Drilling and Injection of Concentrated Autologous Bone Marrow. *Techniques in Orthopaedics*. Vol26 (1); p 2–8. March 2011
25. Stiebel, Matthew MD, FRCSC; **Edgar, Corey MD**; Schepsis, Anthony A. MD: Reconstruction of the Medial Patellofemoral Ligament. *Techniques in Knee Surgery*. 8(2):91-97, June 2009.
26. **Edgar CM**, Zimmer S, Kakar S, Jones H, Schepsis AA. Prospective Comparison of Auto and Allograft Hamstring Tendon Constructs for ACL Reconstruction. *Clin Orthop Relat Res*. 2008 Sep;466(9):2238-46.
27. **Edgar CM**, Chakravarthy V, Barnes G, Kakar S, Gerstenfeld LC, Einhorn TA. Autogenous regulation of a network of bone morphogenetic proteins (BMPs) mediates the osteogenic differentiation in murine marrow stromal cells. *Bone*. 2007 May;40(5):1389-98
28. Kakar S, Voloshin I, Kaye EK, Crivello K, **Edgar CM**, Edmond CM, Pryor JD, Schepsis AA. Posterior shoulder instability: comprehensive analysis of open and arthroscopic approaches. *Am J Orthop (Belle Mead NJ)*. 2007 Dec;36(12):655-9. PMID: 18264542.
29. Wang K, Vishwanath P, Eichler GS, Al-Sebaei MO, **Edgar CM**, Einhorn TA, Smith TF, Gerstenfeld LC. Analysis of fracture healing by large-scale transcriptional profile identified temporal relationships between metalloproteinase and ADAMTS mRNA expression. *Matrix Biol*. 2006 Jul;25(5):271-81.
30. Haas AL, Schepsis AA, Hornstein J, **Edgar CM**. Meniscal repair using the FasT-Fix all-inside meniscal repair device. *Arthroscopy*. 2005 Feb;21(2):167-75.
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#### **CASE REPORTS, REVIEWS, CHAPTERS AND EDITORIALS**

##### **Proceedings of Meetings & Invited Papers:**

##### **Invited Review Papers:**

1. Edgar C and Einhorn TA. JBJS Review Series “ Extensor Mechanism rupture after TKA” – Invited paper In Review
2. Edgar C, Tanaka, M. AAOS The Masters Experience: Arthroscopic Surgical Techniques. Series – Patella instability and Arthrosis. “Complications with MPFL reconstruction surgery” Series Editor – Dr. John Fulkerson. AAOS DVD Series, released January 2013
3. **Edgar, Cory**; Sibai, Tarek; Mazzocca, Augustus D.; Beitzel, Knut. An update on the Surgical Management of Acromioclavicular Joint Injuries. *Current Orthopedic Practice: Sports Medicine Section*. Edited by Thomas M. DeBerardino, MD. November/December 2011 - Volume 22 - Issue 6 - p 488–493

##### **Professional or Peer Reviewed Papers/Lectures:**

1. **2020 AANA Annual Meeting 2020 Abstracts Submitted:** Patient Age and Cartilage Lesion size are predictors of poor clinical outcomes in Patients undergoing Osteochondral Grafting Procedures of the Patella ; Efficacy of an accelerated rehabilitation protocol after Tibial Tubercle Osteotomy for the surgical treatment of Recurrent Patella Instability
2. **2017 Accepted Podium Paper:** Biomechanical Consequences Of Excessive Patellar Distalization; Paper 13691: 11<sup>th</sup> Biennial ISAKOS Congress Shanghai, China. June 4-8, 2017
3. **2017 Accepted Podium Paper:** Recurrent Anterior Shoulder Instability With Combined Bone Loss: Treatment And Results With The Modified Latarjet Procedure; Paper 13692: 11<sup>th</sup> Biennial ISAKOS Congress Shanghai, China. June 4-8, 2017

4. **2016 Accepted Podium Paper** “Biomechanical Consequences of Excessive Patellar Distalization” *AANA Annual Meeting, Boston MA 2016*
5. **2016 Accepted Podium Paper** “Biomechanical Consequences of Excessive Patellar Distalization” *AAOS Annual Meeting, Orlando, FL 2016*
6. **2016 Accepted Podium Paper Presentation:** “Recurrent Anterior Shoulder Instability with Combined Bone Loss: Results with the Modified Latarjet Procedure” *AAOS Annual Meeting, Orland FL 2016*
7. **2015 Accepted Paper:** “Biomechanical Consequences of Excessive Patellar Distalization” *International Patellafemoral Study Group (IPFSG), closed meeting. Chicago 2015*
8. **2015 Accepted Poster – E-Poster :** Posteromedial Meniscocapsular Tear:, Biomechanics as it relates to the ACL” *ISAKOS Annual Meeting, Lyon, France 2015*
9. **2015 Accepted Paper – Scientific Exhibit :** Posteromedial Meniscocapsular Tear: The prevalence in a series of 337 ACL reconstruction patients, detection sensitivity by MRI, Biomechanics as it relates to the ACL, and a Repair Technique” *AAOS Annual Meeting, Las Vegas 2015*
10. **2014 Accepted Abstract – Poster Presented:** Quantification of Trochlea Dysplasia via Computed Tomography: Assessment of Morphology Difference Between Control and Recurrent Patella Instability Patients” *AAOS Annual Meeting, New Orleans*
11. **2014 Accepted Paper – Podium Presentation:** Quantification of Trochlea Dysplasia via Computed Tomography: Assessment of Morphology Difference Between Control and Recurrent Patella Instability Patients” *AOSSM 2014 Annual Meeting. Seattle, WA*
12. **2013 Accepted Abstract – Podium Presentation:** “Quantification of Trochlea Dysplasia via Computed Tomography: Assessment of Morphology Difference Between Control and Recurrent Patella Instability Patients.” *Presented International Patellofemoral Study Group Bi-Annual Meeting, Gent Belgium August 29-31*
13. **2012 Podium presentation at: American Orthopaedic Society for Sports Medicine (AOSSM) Annual meeting,** Baltimore, MD “Medial Patellofemoral Ligament (MPFL) surgical anatomy
14. **2012 Podium presentation at: New England Shoulder and Elbow Society Annual meeting.** Jay Peak, VT. “Biological augmentation of rotator cuff tears: From the OR back to the Lab”
15. **2011 Podium presentation at: Graduation Research Day Symposium– Boston Medical Center.** Boston, MA. “Update on the Operative Treatment of AC Joint Dislocations”
16. **2011 Podium presentation at: Dr. Leach Honorary Visiting Professor Research Symposium, Guest Moderator: Dr. Russ Warren – Boston Medical Center.** Boston, MA. “Acromioclavicular Joint Instability: Anatomic reconstruction – new technique for an old problem”
17. **2010 Podium presentation at: AOSSM Sports Medicine Traveling Fellowship Symposium – Boston Medical Center.** Boston, MA. “Fresh Osteochondral Allograft and Transplantation for Traumatic Patellar Defects”

18. **2006** Podium presentation at: **ABC Traveling Fellowship Symposium – Boston Medical Center**. Boston, MA. “Bone Morphogenetic Proteins Regulate Osteogenic Differentiation in Vitro Through a Coordinated Network Directed by BMP-2.”
19. **2005** Podium presentation at: **51nd Annual Meeting of the Orthopaedic Research Society**. Washington, DC. “BMP-2 is a Critical Mediator of Mesenchymal Stem Cell Derived Osteoblastic Differentiation.”
20. **2004** Podium presentation at: **8<sup>th</sup> International Conference on the Chemistry and Biology of Mineralized Tissues**. Oct. 2004 Alberta, Canada. “Autoregulation of BMP Expression Mediates Osteogenic Differentiation of Murine Marrow Stromal Cells in Culture”
21. **2004** Podium presentation at: **50<sup>th</sup> Annual Orthopaedic Research Society Meeting**; San Fransisco, CA “Methodological Approach for the Generation of a Tissue-Specific and Regulatable BMP-2 Expressing Transgenic Mouse.”
22. **2003** Plenary/Honors poster presentation at: **25<sup>th</sup> Annual Meeting of the American Society for Bone and Mineral Research**; Minneapolis, MN “Autoregulation of BMP Expression Mediates Osteogenic Differentiation of Murine Marrow Stromal Cells in Culture.”
23. **2003** Podium presentation at: **Arthroscopy Association of North America, Annual ANAA meeting**; Phoenix, AZ “A Prospective Study Comparing Autograft vs Allograft Hamstrings for Anterior Cruciate Ligament Reconstruction.”
24. **2003** Podium presentation at: **American Academy of Orthopaedic Surgeons Annual Conference**; New Orleans, LA “A Prospective comparative study of ACL Reconstruction: Allograft vs. Autograft Hamstrings.”
25. **2002** Podium presentation at: **Boston University School of Medicine Orthopaedic Surgery Residency Programs Alumni and Resident Symposium**, Boston, MA “Autograft vs Allograft Hamstring for Primary ACL Reconstruction: A Prospective Comparative Study.”

#### Meeting Proceedings:

1. **Cory M. Edgar**, Vinay Chakravarthy, George L. Barnes, Thomas A. Einhorn, Louis C. Gerstenfeld. Autoregulation of BMP Expression Mediates Osteogenic Differentiation of Murine Marrow Stromal Cells in Culture. In: Landis W.J., Sodek J., eds. Chemistry and Biology of Mineralized Tissues. Proceedings of the Eighth International Conference, Banff, Alberta, Canada, 2004. Toronto, Canada: University of Toronto Press, **2005**.

#### Authored Textbook Chapters:

1. Andrew Jimenez, Ryan Bell, Robert Arciero, **Cory Edgar MD, PhD**. “**How to manage the multiply failed ACL reconstruction knee**” **Chapter 12 in Revision Anterior Cruciate Ligament Reconstruction: A Case-Based Approach**. Editors Alaia and Jones Published Date Expected 2020
2. **Cory Edgar MD, PhD**. “Sterno-Clavicular and Acromioclavicular Joint Injuries” Chapter 31 In: Rockwood and Green’s Fractures 9th Edition. Publisher LWW 2019
3. **Cory Edgar MD, PhD**, Augustus D Mazzocca MS, MD and Mark Lemos MD. “Acromioclavicular Joint Injuries” Chapter 41 In: Rockwood and Green’s Fractures 8th Edition. Publisher LWW 2014
4. **Cory Edgar MD, PhD**, Tony Schepsis MD, John Fulkerson MD, and Matthew Bollier MD “Tibial tubercle osteotomies” Chapter 7 In: The Patellofemoral Joint in the Athlete. Edited by Drs. Robin West and Alexis Colvin; Springer Publishing 2014
5. Alex Dukas, M.A., Michael Pensak, M.D., **Cory Edgar, MD, PhD**, Thomas DeBerardino, M.D. “Surgical Management of Patellar Instability” Chapter 61 In: McGinty’s Operative Arthroscopy. Edited by Don Johnson. Publisher LWW 2012

6. **Cory Edgar MD, PhD** and Augustus D Mazzocca MS, MD. "Distal Biceps Tendon Tears: Surgical Indications and Techniques" Chapter 38 In: McGinty's Operative Arthroscopy. Edited by Don Johnson. Publisher LWW 2012
7. **Cory Edgar MD, PhD**, Robert Arciero MD, Thomas M. DeBerardino, MD "Two Stage ACL Revision: Indications and Technique." Chapter 13 In: Revision ACL Reconstruction: Management and Surgical Technique, edited by Dr. Robert G. Marx Publisher Springer 2013
8. Augustus D Mazzocca MS, MD, **Cory Edgar MD, PhD**, Knut Beitzel M.D., Andreas B. Imhoff M.D., Thomas M. DeBerardino, MD, Robert A Arciero, MD: Chapter 18 "Open Surgical Reconstruction of Acute and Chronic Acromioclavicular Joint Instability" In: Master Techniques in Orthopaedic Surgery—The Shoulder 3rd Edition, Edited by Edward V. Craig. (In press)
9. Thomas M. DeBerardino, MD, Andreas B. Imhoff MD, **Cory Edgar MD, PhD**, Knut Beitzel M.D., Augustus D Mazzocca MS, MD, Robert A Arciero, MD: Chapter 14 "Arthroscopic assisted Repair and Reconstruction of Acromioclavicular Joint Instability" In: Master Techniques in Orthopaedic Surgery—The Shoulder 3rd Edition, Edited by Edward V. Craig. (In press)
10. Cory Edgar M.D., PhD, Augustus D Mazzocca MS, MD, and Robert A Arciero, MD. " Open treatment of Acromioclavicular Joint Injuries" In: Disorders of the Shoulder, 3rd Edition, eds: Iannotti, Miniaci, Williams, and Zuckerman. (In Press)
11. Matthew Stiebel MD, FRCSC, **Cory Edgar, MD, PhD**, and Anthony A. Schepsis, MD "Reconstruction of the Medial Patellofemoral Ligament". In AANA Advanced Arthroscopy: The Knee: Expert Consult. (2010) Editors: Hunter R.E. and Sgaglione, N.A. Chapter 11, pg 104-112
12. Louis C. Gerstenfeld, PhD, **Cory M. Edgar, PhD**, Sanjeev Kakar, MD, MRCS, Kimberly A. Jacobsen, MA, Thomas A. Einhorn, MD. Osteogenic Growth Factors and Cytokines and Their Role in Bone Repair; In: Principles of Bone Biology Volume 3: Engineering of Functional Skeletal Tissues. 2006

### **TEXTBOOKS & Monographs:**

#### **Monograph series**

1. **Cory Edgar: Importance of BMP-2 and BMP network on osteoblastic differentiation.** VDM Verlag Dr. Muller publishing, Saarbrucken, Germany 2009.