

Asheesh Bedi, MD
Professor
Harold and Helen W. Gehring Professorship in Orthopaedic Surgery
Division Chief, Sports Medicine
Sports Medicine and Shoulder Surgery
Michigan Medicine
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Education and Training

Education

09/1995-06/1998 BA, Northwestern University, Evanston, Illinois
08/1998-06/2002 MD, Medicine Degree, University of Michigan Medical School, Ann Arbor, Michigan

PostDoctoral Training

07/2002-06/2003 Internship, General Surgery, University of Michigan Medical Center, Ann Arbor, Michigan
07/2003-06/2007 Residency, Orthopaedic Surgery, University of Michigan Medical Center, Ann Arbor, Michigan
08/2007-07/2009 Fellowship, Shoulder/Sports Medicine, Hospital for Special Surgery, New York City, New York
06/2009-10/2009 Fellowship, Advanced Hip Arthroscopy and Hip Preservation Fellowship, Hospital for Special Surgery, New York, New York

Certification And Licensure

Certification

07/2011-12/2021 American Board of Orthopaedic Surgery - Orthopaedic Surgery
01/2013-12/2022 American Board of Orthopaedic Surgery- Sports Medicine - Sports Medicine

Licensure

06/2002-01/2019 State of Michigan, Medical License
06/2007-08/2018 State of New York, Medical License
06/2007-07/2019 State of Michigan, DEA Registration
07/2009-01/2019 State of Michigan, Controlled Substance

Academic, Administrative, Clinical, Research and Military Appointments

Academic Appointments

08/01/2009-08/31 /2014 Assistant Professor (Instructional Track), Department of Orthopaedic Surgery, University of Michigan Hospital and Health Systems, Ann Arbor, Michigan
09/01/2014-08/31 /2018 Associate Professor, Department of Orthopaedic Surgery, University of Michigan Hospital and Health System, Ann Arbor, Michigan (Tenured)
09/01/2014-present Gehring Early Career Endowed Professor, Department of Orthopaedic Surgery, University of Michigan Hospital and Health Systems, Ann Arbor, Michigan
09/01/2018-present Professor, University of Michigan, Ann Arbor, Michigan (Tenured)

Administrative Appointments

08/01/2011-05/01 /2016 Director of Sport Medicine Research Program, Department of Orthopaedic Surgery, University of Michigan Hospital and Health Systems, Ann Arbor, Michigan

04/01/2012-present	Coordinator, Resident Education, Sports Medicine, Department of Orthopaedic Surgery, University of Michigan Hospital and Health Systems, Ann Arbor, Michigan
04/01/2012-present	Associate Director, Research Program, Center for Hip Pain and Preservation, Hospital for Special Surgery, New York, New York
03/01/2015-present	Service Chief, Orthopaedic Sports Medicine, University of Michigan, Orthopaedic Surgery, Ann Arbor, Michigan
04/01/2017-present	Director, Michigan Center for Human Athletic Medicine and Performance (MCHAMP), University of Michigan, Ann Arbor, Michigan
04/01/2017-present	Center Director in Orthopaedic Surgery, University of Michigan - Ann Arbor, Ann Arbor, Michigan
07/01/2019-present	Ambulatory Care Clinical Chief, Michigan Medicine, Ann Arbor, MI

Clinical Appointments

02/01/2006-06/01/2007	Orthopaedic Physician, On-Call Services, Huron Valley Hospitalists, Saint Joseph Mercy Health System, Ypsilanti, Michigan
09/01/2009-present	Staff Surgeon, University of Michigan Hospital and Health Systems, Ann Arbor, Michigan

Clinical Interests

- Sports Medicine
- Rotator Cuff and Shoulder Instability Surgery
- Shoulder Arthroplasty
- Hip Arthroscopy and Preservation
- Knee Ligament Reconstruction
- Meniscal and Cartilage Surgery
- Elbow Arthroscopy and Ligament Reconstruction
- Achilles Repair
- Ankle Arthroscopy

Research Interests

- Biology of tendon-to-bone healing after ACL reconstruction
- Joint contact mechanics after ACL reconstruction
- Shoulder biomechanics and kinematics, and shoulder prosthetic design
- Tendon and ligament biology
- Soft tissue and Osteochondral allografts
- Femoroacetabular impingement and hip kinematics
- Clinical outcomes, hip preservation surgery
- Mechanical etiology of hip pain in athletes

Grants

Current Grants

Shoulder instability trial comparing arthroscopic stabilization benefits compared with Latarjet procedure evaluation (STABLE) PSI Foundation

Moin Khan, Co-PI

03/2020-03/2023. \$238,000 (\$74,000)

Identification of Predictors for Clinical Outcomes in Femoroacetabular Impingement Surgery SubK-Army-DoD-US through a consortium with Washington University in St. L- 19-PAF02197

Asheesh Bedi, PI

09/2019-09/2023. \$25,640 (\$6,409)

CAREER: Automating the Construction and Analysis of Models of Motion for Prehabilitative Care NSF-US- 18-PAF00062

Co-I without Effort (Principal Investigator: Ram Vasudevan)
03/2018-02/2023. \$500,000

5 R01 AR054821-11: New Perspectives on ACL Injury NIH-DHHS-US- 16-PAF02516

Co-I with Effort (Principal Investigator: Edward M Wojtys)
07/2016-06/2021. \$1,513,729 (\$314,874)

HSS Fund 2015 for Regenerative Medicine Hospital for Special Surgery

Asheesh Bedi, PI
04/2015-03/2025. \$97,300

HSS Fund for Regenerative Medicine Research Hospital for Special Surgery

Asheesh Bedi, PI
02/2014-02/2024. \$103,000

(LID 12157427): Sports Medicine and Joint Preservation Research Fund National Basketball Players Association

Asheesh Bedi, PI
12/2012-present. \$175,000

1 R01 AR063649: Regulation of Adult Tendon Growth and Regeneration by Scleraxis NIH-DHHS-US

Co-I (Principal Investigator: Christopher L Mendias, PhD)
11/2012-present. \$1,250,000

Promoting Rotator Cuff Regeneration by Targeted Inhibition of HIF-Prolyl 4-Hydroxylase Glaxo-Smith-Kline Research Collaborative

Christopher L Mendias, PhD, Co-PI
11/2012-present. \$152,754

Changes in Biomarkers of Cartilage Degeneration and Inflammation Following Arthroscopic Decompression of Femoacetabular Impingement American Orthopaedic Society for Sports Medicine, Sanofi Osteoarthritis Grant for Basic Science Research

Asheesh Bedi, MD, PI
11/2012-present. \$50,000

Inhibition of 5-Lox to Reduce Fatty Degeneration and Enhance Tendon Healing after Rotator Cuff Repair University of Michigan Health System, Department of Orthopaedic Surgery

Asheesh Bedi, MD, PI
11/2012-present. \$15,000

Understanding ACL Strain Patterns M-Cubed Funding, University of Michigan

Asheesh Bedi, MD, PI
11/2012-present. \$50,000

Treatment of Rotator Cuff Tears by Adipose-Derived Stem Cell Therapy US Army Military Medical Research and Development Agency

Christopher Mendias, Co-PI
09/2011-present. \$225,000

5 R21 AR074794-03: SVF Cells for Nonoperative Treatment of Small Rotator Cuff Tears NIH-DHHS-US- 18-PAF06208

Co-I without Effort (Principal Investigator: Tariq M Awan)
07/2022. (\$240,240)

Submitted Grants

Mitigation of Post-Traumatic Osteoarthritis via Preferential Mobilization of Endogenous Mesenchymal Stromal Cells from the Marrow Compartment SubK-Army-DoD-US through a consortium with William Beaumont Hospital- 21-PAF01408

Bedi, Asheesh, PI

09/2021-09/2024. \$85,832

STABILITY 2: ACL Reconstruction +/- Lateral Tenodesis with Patellar vs. Quad Tendon SubK-NIH-DHHS-US through a consortium with University of Pittsburgh- 20-PAF06393

Co-I with Effort (Principal Investigator: Grant, John)

09/2019-08/2024. \$34,959

Injury Foresight: Personalized Knee Injury Risk Assessment Using MSK Kinetic and Machine Learning MIMHC Center Grant Application

Ramanarayan Vasudevan, Co-PI

05/2017-present. \$250,000

Injury Foresight: Personalized Knee Injury Risk Assessment Using MSK Kinetic and Machine Learning University of Michigan Exercise Science Sports Institute (ESSI)

Ramanarayan Vasudevan, Co-PI

05/2017-present. \$100,000

Induced Synovial Membrane Grafts For Enhanced ACL Reconstruction AOSSM/OREF Russ Warren Soft Tissue Research Grant

Kevin Baker, Co-PI

05/2017-present. \$200,000

Past Grants

Longitudinal Profiling of Articular Cartilage Metabolism and Joint Inflammation following Knee Arthroscopy Institute for Sports Medicine- 18-PAF04535

Co-I without Effort (Principal Investigator: Tristan Maerz)

03/2018-08/2019. \$74,576 (\$74,576)

Personalized Kinetic Performance Metrics to Quantitatively Assess Musculoskeletal Function and Recovery after ACL Injury Michigan Integrative Musculoskeletal Health Core (MiMHC)

Asheesh Bedi, Co-PI

09/2017-08/2018. \$50,000 (\$50,000)

Longitudinal Assessment of Cartilage Injury and Remodeling After ACL Rupture and Reconstruction Joint Institute For Translational and Clinical Research

Tristan Maerz, Co-PI

07/2017-07/2019. \$199,716

Epigenetic Programming of Satellite Cells from the Rotator Cuff Orthopaedic Res and Educ Fdn- 17-PAF00750

Co-I without Effort (Principal Investigator: Schubert, Manuel Ferdinand)

02/2017-01/2018. \$5,000 (\$5,000)

Evaluation of GSK Test Compound on Tendon Structure and Function After Injury GSK- 16-PAF06331

Co-I with Effort (Principal Investigator: Mendias, Christopher Louis)

08/2016-08/2017. \$191,651 (\$191,651)

R01-AR-063649-04: Regulation of Adult Tendon Growth and Regeneration by Scleraxis National Institute of Health- PAF02245

Co-I (Principal Investigator: Christopher Mendias, PhD)

08/2016-07/2017. \$323,459

Evaluation of a Microcurrent Dressing for Prophylaxis Against Perioperative Prosthetic Joint Infection Arthrex- 16-PAF03445

Co-I without Effort (Principal Investigator: Miller, Bruce S)

07/2016-12/2018. \$47,450 (\$47,450)

A Double-Blind Placebo-Controlled Study to Evaluate the Efficacy of Somatropin in the Treatment of Patellar Tendinopathy Mark Cuban Foundation- 16-PAF05922

Co-I with Effort (Principal Investigator: Mendias, Christopher Louis)
07/2016-06/2018. \$349,930

Sex Differences in Tendon Growth and Remodeling NIH-DHHS-US- 16-PAF05130

Co-I with Effort (Principal Investigator: Mendias, Christopher Louis)
06/2016-05/2017. \$99,943

A Prospective, Randomized, Multicenter Study Comparing Safety and Effectiveness of Autologous Conditioned Plasma (ACP) Intra-Articular Injection (IA) to Normal Saline in Patients with Knee Osteoarthritis Arthrex- 16-PAF03381

Co-I with Effort (Principal Investigator: Tariq M Awan)
05/2016-09/2018. \$146,984 (\$74,391)

Subaward WBH1500_UM: Combating Post-Traumatic Osteoarthritis via Enhanced Intra-Articular Recruitment of Stem Cells and Targeted Delivery of a Chondrogenic Agent SubK-Army-DoD-US through a consortium with William Beaumont Hospital- 17-PAF03209

Bedi, Asheesh, PI
07/2015-12/2017. \$9,906 (\$9,906)

W81XWH-15-1-0186: Combating Post-Traumatic Osteoarthritis via Enhanced Intra-Articular Recruitment of Stem Cells and Targeted Delivery of a Chondrogenic Agent DOD

Co-I (Principal Investigator: Kevin Baker)
07/2015-12/2016

A Novel Osteochondral Implant NSF

Co-I without Effort (Principal Investigator: Paul Lee, MS, a Ph.D)
07/2015-06/2016. \$225,000

Targeted Inhibition of Myostatin to Prevent Muscle Atrophy after ACL Tear Orthopaedic Res and Educ Fdn- 15-PAF01149

Co-I without Effort (Principal Investigator: Wurtzel, Caroline Nicole Wolfe)
07/2015-06/2016. \$5,000 (\$5,000)

326420: Femoroacetabular Impingement Randomized Controlled Trial (FIRST) Canadian Institutes of Health Research Operating Grant

Olufemi Ayeni, MD, Co-PI
10/2014-09/2017. \$471,741 (\$115,105)

Evaluation of Recombinant Growth Hormone Therapy to Prevent Muscle Atrophy in Patients with Anterior Cruciate Ligament Tears Mark Cuban Foundation- 14-PAF06296

Co-I with Effort (Principal Investigator: Christopher Louis Mendias)
09/2014-08/2016. \$671,994 (\$390,785)

1 F31 AR065931-01A1: Fatty Macrophage Regulation of Atrophy and Inflammation in Rotator Cuff Tears National Institute of Arthritis and Musculoskeletal and Skin Diseases

Jonathan Paul Gumucio, Co-PI
07/2014-07/2015. (\$35,054)

Improving the recovery of rotator cuff tears by the targeted inhibition of p38 MAPK Orthopaedic Res and Educ Fdn- 14-PAF01033

Co-I without Effort (Principal Investigator: Wilde, Jeffrey)
07/2014-06/2015. \$5,000 (\$5,000)

Non Surgical ACL Model and Use of Mesenchymal Stem Cells to Decrease OA AOSSM Young Investigator Grant

Perry Altman, MD, Co-PI
04/2014-04/2015. \$40,000

5 R01 AR063649-05: *Sex Differences in Tendon Growth and Remodeling* NIH-DHHS-US- 13-PAF02245; 16-PAF05130

Co-I with Effort (Principal Investigator: Christopher Mendias, PhD)
08/2013-07/2018. \$99,943

Grant letter awarded 02/18/2013: Effect of arm elevation and rotation on strain in the repaired subscapularis tendon: What arc of motion is safe for early post-operative rehabilitation? Orthopaedic Res and Educ Fdn- 13-PAF00955

Knesek, Michael J, PI
07/2013-06/2014. \$4,989 (\$4,989)

Evaluation of a Non Bioresorbable Polymer Scaffold for the Treatment of Traumatic Cartilage Injury MICHR

Rhina Coleman, Co-PI
06/2013-05/2014. \$25,000

5 R21 AR062709-02: *Modular Assembly of Interdigitated Osteochondral Interfaces* NIH-DHHS-US- 12-PAF07572

Co-I without Effort (Principal Investigator: Stegemann, Jan Philip)
05/2013-04/2015. \$342,716

Award Letter dated 10/15/2012: Changes in Biomarkers of Cartilage Degeneration and Inflammation Following Arthroscopic Decompression of Femoroacetabular Impingement American Orthopaedic Society f- 13-PAF00433

Bedi, Asheesh, PI
01/2013-12/2014. \$50,000 (\$25,000)

Research Collaboration Agreement: Promoting Rotator Cuff Regeneration by Targeted Inhibition of HIF-Prolyl 4-Hydroxylase GSK- 13-PAF01888

Mendias, Christopher Louis; Bedi, Asheesh, PI
12/2012-06/2014. \$152,754 (\$152,754)

Effect of Arm Elevation and Rotation on Strain In The Repaired Subscapularis Tendon: What Arc Of Motion is Safe for Early Post-Operative Rehabilitation? OREF Resident Research Grant

Asheesh Bedi, MD, PI
01/2012-12/2015. \$5,000

Biologic Treatments for Sports Injury Grant: Improving the Regeneration of Full Thickness Rotator Cuff Tears by the Use of Recombinant Mechano-Growth Factor American Orthopaedic Society for Sports Medicine

Christopher Mendias, Co-PI
01/2012-12/2015

Use of Engineered Tissue to Improve Tendon-Bone Healing in Rotator Cuff Injuries NIH

Asheesh Bedi, MD, PI
01/2012-12/2015

Preventing OA by Improved Understanding of Muscle Atrophy After ACL Tears Arthritis Foundation Grant

Asheesh Bedi, MD, Co-PI
01/2012-01/2015

A Comparison Between the Contractile and Morphological Properties of Rotator Cuff Muscles of Patients with Mild or Severe Fatty Atrophy American Shoulder and Elbow Su- 12-PAF00926

Bedi, Asheesh, PI
01/2012-12/2012. \$20,000 (\$20,000)

sub of NIA P30-AG024824: Improving the repair and rehabilitation of rotator cuff tears in old rats by autologous myoblast transplantation University of Michigan Claude Pepper Center Pilot Grant Competition

Christopher Mendias, PhD, Co-PI
05/2011-04/2012. \$40,000

Comparison of Synovial Fluid, Proinflammatory Cytokines and Osteoarthritis Biomarkers from Diabetic and Euglycemic Patients University of Michigan Health System Dedrick Grant Competition

Asheesh Bedi, MD, PI
01/2011-12/2011. \$45,000

Patient Specific Osteochondral Templating (PSOT) to Improve Osteochondral Transplantation for Chondral Defects
Coulter Foundation Grant
Scott Hollister, PhD, Co-PI
10/2010-10/2012. \$50,000

An Investigation of the Glenohumeral Kinematics of Internal Rotation Deficiency in Throwing Athletes University of Michigan, Department of Orthopaedics
Michael Bey, PhD, Co-PI
01/2010-01/2011. \$25,000

NIAMS P30-AR058920: Faculty Recruitment to Musculoskeletal Research Consortium NIH
Co-I (Principal Investigator: Steve Goldstein, PhD)
09/2009-08/2011. \$750,000

NIH PA-06-373 (F32): Post-Doctoral Fellows Ruth L. Kirchstein National Research Service Award
Asheesh Bedi, MD, PI
08/2008-08/2009. \$70,000

Honors and Awards

International

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| 2013 | International Society of Hip Arthroscopy (ISHA) Trainee Research Award for "Effect of Changes in Pelvic Tilt on Range of Motion to Impingement and Radiographic Parameters of Acetabular Morphology" |
| 2015 | International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Richard Caspari Award Finalist for abstract #11731, titled, "Does Smoking Affect Treatment Allocation and Outcomes in Patients With Rotator Cuff Tears?" |
| 2017 | International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Richard Caspari Award Finalist for abstract # 13677: "Does Concomitant Biceps Surgery Affect the Outcome of Rotator Cuff Repair?" |

National

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| 1995 | National Merit Scholar |
| 1995 | National Science Foundation Science Scholar |
| 1995 | USA Today All-USA High School Second Team |
| 1995 | United States Chemistry Olympiad Finalist |
| 1995 | Westinghouse Science Talent Search Semifinalist |
| 1997 | Barry M. Goldwater Scholar for Excellence in Science and Engineering |
| 1998 | USA Today All-USA College Team Honorable Mention |
| 2005 | Smith & Nephew Orthopaedic Resident Research Competition Finalist, Memphis Tennessee |
| 2006 | AO Basic Fracture Preceptorship Fellow Award – Dr. Roy Sanders, M. D. and Dr. George Haidukewych, M.D. - Tampa General Hospital, Tampa, Florida |
| 2006 | American Academy of Orthopaedic Surgeons Clinician-Scientist Development Program Scholar |
| 2006 | American Orthopaedic Association-Zimmer Resident Leadership Forum Award |
| 2008 | U.S. Bone and Joint Decade Young Investigator Y II Program Award Recipient |
| 2009 | American Orthopaedic Society for Sports Medicine Aircast Basic Science Research Award |
| 2010 | American Orthopaedic Society for Sports Medicine Cabaud Award for Excellence in Basic Science Research |
| 2010 | American Shoulder & Elbow Society Neer Award for Basic Science |
| 2010 | Orthopaedic Research Society/Orthopaedic Research & Education Foundation Travel Award in Orthopaedic Research Translation |
| 2011 | Excellence in Research Award, American Orthopaedic Society for Sports Medicine |

2011	Herodicus Award, American Orthopaedic Society for Sports Medicine
2011	T. David Sisk Award for Research Excellence – Basic Science Paper, Sports Health: A Multidisciplinary Approach, American Orthopaedic Society for Sports Medicine
2013	American Orthopaedic Society for Sports Medicine 2013 Annual Meeting Poster Award, "Reduction in Muscle Fiber Force Production, Disruption of Muscle Cell Architecture and Accumulation of Fatty Macrophages in Patients with Chronic Rotator Cuff Tears"
2013	Certificate of Commendation, Top Ten-Cited Articles Published in the Arthroscopy Journal 2011-12. " Transtibial Versus Anteromedial Portal Reaming in Anterior Crucate Ligament Reconstruction: An Anatomic and Biomechanical Evaluation of Surgical Technique"
2013	Certificate of Commendation, Top Ten-Cited Articles Published in the Arthroscopy Journal 2011-12. "Static and Dynamic Mechanical Causes of Hip Pain"
2014	Cabaud Memorial Award from the American Orthopaedic Society for Sports Medicine, "Does Limited Internal Femoral Rotation Increase Peak ACL Strain During a Simulated Pivot Landing?"
2014	Charles S. Neer Award in the Basic Science, American Shoulder and Elbow Surgeons
2015	Becker's Spine Review; named as one of the best surgeons for excellence in orthopaedics
2016	Best Poster in the Shoulder and Elbow classification, American Academy of Orthopaedic Surgeons Annual Meeting. Is There an Association Between the "Critical Shoulder Angle" and Clinical Outcome after Rotator Cuff Repair?"
2016	Cabaud Award from American Orthopaedic Society for Sports Medicine. "Platelet Rich Plasma Activates Pro-Inflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblast"
2020	NFL Physician Society (NFLPS) Arthur C. Rettig Award for Academic Excellence

Regional

2015	Hour Detroit Top Doctors Award 2015
2016	Hour Detroit Top Doctors Award 2016

Institutional

1995-1998	Dean's Award for Highest Honors
1995	Dean's Scholar at the McCormick School of Engineering, Northwestern University
1997	British Marshall Scholar Nominee of Northwestern University
1998	Phi Beta Kappa Centennial Prize, Northwestern University
2000	Junior Alpha Omega Alpha Inductee, University of Michigan Medical School
2001-2002	University of Michigan Alpha Omega Alpha (AOA) Chapter, Vice President
2001	Michigan Association of Physician's From India Outstanding Student Award
2001	University of Michigan Medical School Ladow Merit Scholarship Award
2002	Michigan Medical School Academic Recognition Award for Scholastic Achievement
2007	Leonard Marmour Surgical Arthritis Foundation Award – Outstanding Chief Resident Graduate, Department of Orthopaedic Surgery, University of Michigan Hospitals
2008	Phillip D. Wilson Award for Excellence in Orthopaedic Research, Hospital for Special Surgery
2009	Phillip D. Wilson Award for Excellence in Orthopaedic Research, Hospital for Special Surgery
2012-present	Harold and Helen Gehring Early Career Endowed Professorship
2012	First Place, University of Michigan Biomedical Engineering Design Competition, iArthro: Intraoperative 3D joint modeling for surgical evaluation during arthroscopy
2012	William S. Smith 2012 Orthopaedic Surgery Resident Teaching Award, University of Michigan Medical School
2013-2016	Taubman Emerging Scholar, Taubman Institute
2013-2017	Dean's Scholar Mentor, University of Michigan Medical School

2013 University of Michigan Medical Center Alumni Society (MCAS) Early Distinguished Career Award

Memberships in Professional Societies

2007-present Member, American Academy of Orthopaedic Surgeons (AAOS)
2008-2015 Member, Arthroscopy Association of North America (AANA)
2008-present Member, American Orthopaedic Society for Sports Medicine (AOSSM)
2008-present Member, Orthopaedic Research Society (ORS)
2008-present Member, Orthopaedic Trauma Association (OTA)
2012-present Associate Member, American Shoulder and Elbow Surgeons (ASES)
2012-present Invited Member, Academic Network of Conservational Hip Outcomes Research (ANCHOR)
2012-present Member, International Society of Hip Arthroscopy (ISHA)
2012-present Member, Multicenter Arthroscopy of the Hip Outcomes Research Network (MAHORN)
2014-present Committee Member, American Association of Hip and Knee Surgeons (AAHKS)
2014-present Member, The American Orthopaedic Association (AOA)
2015-present Active Member, Arthroscopy Association of North America (AANA)
2015-present Member, Arthroscopy Association of North America (AANA) Education Committee
2015-present Member, Association of Bone and Joint Surgeons (ABJS)
2015-present Member, Herodicus Society
2016-present Active Member, American Shoulder and Elbow Surgeons (ASES)
2016-present Shoulder Program Chair, 2016 Arthroscopy Association of North America (AANA)
2017-present Member, Academic Network of Conservational Hip Surgeries Outcome Research (ANCHOR)
2017-present Member, American Orthopaedic Society for Sports Medicine (AOSSM), Liason
2017-present Member, Codman Shoulder Society
2017-present Member, NIH- Study Section- Small Business Applications in Orthopaedics, Skeletal, Muscle, and Oral Sciences

Editorial Positions, Boards, and Peer-Review Service

Study Sections

International

2012 Thesis Review Committee, University of Sydney South Wales, Australia, Dr. George Murrell MD (Ad Hoc)

National

2005-2008 Orthopaedic Knowledge Online – American Academy of Orthopaedic Surgeons, Editorial Board Member (Ad Hoc)
2009-present Arthroscopy Association of North America Research Committee and Grant Review, Member (Ad Hoc)
2010-present American Orthopaedic Society for Sports Medicine Self-Assessment Committee, Member (Ad Hoc)
2011-2015 American Orthopaedic Society for Sports Medicine Research Committee Member (Ad Hoc)
2013 American Association of Orthopaedic Surgeons, Review Panel fo the Appropriate Use Criteria for Optimizing the Management of Full-Thickness Rotator Cuff Tears (Ad Hoc)
2015-present American Academy of Orthopaedic Surgeons; Council on Education (Ad Hoc)

Regional

2011-present Thesis Advisory Committee, Dr. Claire Huang, PhD Candidate Biomedical Engineering Under the Direction of Dr. S. Hollister PhD

Institutional

- 2010-present Thesis Review and Examination Committees, Department of Biomedical Engineering and Department of Cellular and Molecular Biology (Ad Hoc)
- 2013 A. Alfred Taubman Medical Research Institute Scientific Advisory Board, Neuroscience Emerging Scholar (Ad Hoc)

Editorial Boards

- 2010-present Editorial Board Member, Techniques in Shoulder and Elbow Surgery
- 2012-2013 Guest Editor, Sports Health "An Update on Femoroacetabular Impingement" Editor: Edward Wojtys, MD
- 2012-present Editorial Advisory Board, Orthopaedic Research Society
- 2012-present Social Media Editor, Journal of Shoulder and Elbow Surgery
- 2013 Guest Editor, Clinical Orthopaedics and Related Research (CORR) "Complex Issues in Shoulder Instability" Co-Editor: Jon Sekiya MD, Editor: Seth Leopold MD
- 2015-present Editor, Insall and Scott's Textbook, Surgery of the Knee
- 2016-present Deputy Editor, American Journal of Orthopaedics
- 2017-present Editor, DeLee and Drez's Orthopaedic Sports Medicine
- 2018-present Orthopedics Today

Journal Reviewer

- 2008-present American Journal of Sports Medicine, Principle Reviewer (Ad Hoc)
- 2008-present Clinical Orthopaedics and Related Research, Principal Reviewer (Ad Hoc)
- 2008-present Hospital for Special Surgery Journal, Principal Reviewer (Ad Hoc)
- 2008-present Journal of Bone and Joint Surgery American, Principal Reviewer
- 2008-present Journal of Orthopaedic Research, Principal Reviewer (Ad Hoc)
- 2008-present Sports Health Journal, Principal Reviewer
- 2009-present Journal of Academy of Orthopaedic Surgeons, Principal Reviewer (Ad Hoc)
- 2010 Journal of Shoulder and Elbow Surgery, Principal Reviewer (Ad Hoc)
- 2011-present Hospital for Special Surgery (HSS) Journal, Principal Reviewer (Ad Hoc)
- 2011-present Knee Surgery, Sports Traumatology Arthroscopy, Principle Reviewer (Ad Hoc)

Teaching

Advanced Post Graduate Fellow

- 07/01/2010-present Claire Huang, PhD, University of Michigan, Department of Biomedical Engineering
- 07/01/2011-present Jonathan Gumucio, PhD, University of Michigan, Department of Cellular and Molecular Biology
- 01/01/2016-present Kristopher Sugg, PhD, University of Michigan, Department of Cellular and Molecular Biology
- 01/01/2017-present Tristan Maerz, PhD, University of Michigan, Department of Cellular and Molecular Biology

Clinical Fellow

- 08/01/2009-07/01/2010 Benjamin Bissell, MD, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
- 08/01/2009-08/01/2010 Adnan Cutuk, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
- 08/01/2010-07/01/2011 John A. Grant, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
- 08/01/2010-08/01/2011 Robert Coale, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
- 08/01/2011-08/01/2012 Ben Noonan, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship

08/01/2012-06/01/2013	James Ross, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
08/01/2014-07/31/2015	Curtis Vandenberg, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
08/01/2015-07/31/2016	Austin Taylor, MD, MPH, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
08/01/2015-07/31/2016	Scott Watson, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
08/01/2015-07/31/2016	Benjamin Allen, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
08/01/2016-07/31/2017	Moin Khan, BHSC, MD, MSc, University of Michigan Sports Medicine and Shoulder Surgery Fellowship
08/01/2016-07/31/2017	Matthew Tyrrell Burrus, MD, University of Michigan Sports Medicine and Shoulder Surgery Fellowship

Graduate Student

07/01/2011-present	Jonathan Gumucio, PhD, University of Michigan
08/01/2013-04/01/2014	Adriana Saroki, PhD, University of Michigan, Program in the Environment Honors Program (PitE)

Medical Student

01/01/2010-12/01/2010	Andrius Giedraitis, MD, University of Michigan
01/01/2010-12/01/2010	Scott Kizy, MD, University of Michigan
01/01/2011-12/01/2011	Michael Buist, MD, University of Michigan
08/01/2011-present	Max Davis, MD, University of Michigan
06/01/2015-06/30/2016	Andrew Kuhn, MD, University of Michigan
08/01/2015-present	Simon Lee, MD, University of Michigan
06/01/2016-09/30/2016	Marisa Samani, MD, University of Michigan

Resident/House Officer

07/01/2007-07/01/2012	William Dahl, MD, Residency, Orthopaedic Surgery, University of Michigan
07/01/2007-07/01/2012	Jack Skendzel, MD, Residency, Orthopaedic Surgery, University of Michigan
07/01/2010-07/01/2015	Alexander Weber, MD, University of Michigan, Orthopaedic Surgery
07/01/2011-07/01/2016	Jamie Cowan, MD, University of Michigan, Orthopaedic Surgery
07/01/2011-07/01/2016	Lisa King, MD, University of Michigan, Orthopaedic Surgery
07/01/2012-07/01/2017	Ryan Mylnarek, MD, University of Michigan, Orthopaedic Surgery
07/01/2012-07/01/2017	Amit Nathani, MD, University of Michigan, Orthopaedic Surgery

Teaching Activity

International

12/07/2016-present	Audio-Digest Orthopaedics Volume 39, Issue 23 ISSN: 0271-132X
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National

- 08/01/2010-present Orthopaedic Learning Center Associate Master Instructor and Learning Center Committee Member American Academy of Orthopaedic Surgeons (AAOS) and Arthroscopy Association of North America (AANA)
- 09/01/2013-09/01/2015 AAOS/AOSSM Fundamentals in Knee and Shoulder Arthroscopy Resident Course, Orthopaedic Learning Center, Chicago, Illinois

Institutional

- 07/01/2007-07/01/2009 Fellow Instructor, Psychomotor Skill Education Laboratory, Hospital for Special Surgery, New York, New York
- 08/01/2009-present Faculty Mentor PM&R and Primary Care Sports Medicine (Family Medicine Programs), University of Michigan
- 09/01/2009-present Lecturer, M3 and M4, University of Michigan Medical School, Ann Arbor, Michigan
- 08/01/2010-present Associate Fellowship Director, Sports Medicine and Shoulder Surgery Fellowship Program Department of Orthopaedic Surgery, University of Michigan
- 08/01/2011-present Director, Sports Medicine Research Program MedSport, University of Michigan
- 10/01/2011-04/01/2013 BME 599: Biomedical Engineering Graduate Innovative Design Class, Mentor
- 05/01/2012-present Resident Education Coordinator, Sports Medicine Service Department of Orthopaedic Surgery University of Michigan
- 07/01/2013-present Deans Scholar Mentors, University of Michigan Medical School, Ann Arbor, Michigan
- 11/11/2013 Consideration of a Career in Orthopaedic Surgery. Academic Surgeon Development Program, University of Michigan Medical School

Dissertation Committees

- 2011 Claire Huang, Osteochondral Scaffolds, University of Michigan, Biomedical Engineering, Committee Member
- 2012 Patrick Lam, Lateral Epicondylitis, University of Sydney - NSW (St. George's Hospital), Orthopaedic Surgery, Committee Member
- 2013 Jonathan Gumucio, Muscle and Tendon Biology, University of Michigan, Cellular and Molecular Biology, Physiology, Committee Member

Committee and Administrative Services

Committee Services

International

- 2016 International Champions Cup Series ICC Soccer Program, Head Orthopaedic Consultant
- 2017 International Champions Cup Series ICC Soccer Program, Orthopaedic Physician

National

- 2005-2008 Orthopaedic Knowledge Online, Editorial Board
- 2006-2007 American Academy of Orthopaedic Surgeons, Resident Liaison
- 2007-2009 New Jersey Nets National Basketball League Organization, Assistant Team Physician
- 2007 U. S. Open National Tennis Championship, Orthopaedic Consultant
- 2008-2009 Arthroscopy Association of North America, Research Committee, Member
- 2008-2009 New York Mets Major League Baseball Organization, Assistant Team Physician
- 2008 U. S. Open National Tennis Championship, Orthopaedic Consultant
- 2009-present USA Hockey Development Program, Ann Arbor, Michigan, Orthopaedic Consultant
- 2010-present Big 10 Orthopaedic Sports Medicine Society, Member
- 2010-present Self-Assessment Committee, American Orthopaedic Society for Sports Medicine, Member
- 2010 American Academy of Orthopaedic Surgeon Virtual Reality Arthroscopic Knee Simulator Project, Committee, Member

2011-2012	American Orthopaedic Society for Sports Medicine, Basic Science Subcommittee, Member
2011-2015	American Orthopaedic Society for Sports Medicine, Research Committee, Member
2011-present	American Academy of Orthopaedic Surgeons Upper Extremity Evaluation Subcommittee, Member
2011-present	American Orthopaedic Society for Sports Medicine, Self-Assessment Committee, Member
2011-present	Learning Center Committee, Arthroscopy Association of North America, Member
2012-present	Academic Network of Conservational Hip Outcomes Research (ANCHOR) Study Group, Member
2012-present	Detroit Lions, National Football League (NFL) Organization, Hip Consultant
2012-present	Detroit Red Wings Organization, Hip Consultant
2012-present	Major League Baseball (MLB) Hip Research Group, Member
2012-present	Multicenter Arthroscopic Hip Outcomes Research Network (MAHORN), Member
2012	American Academy of Orthopaedic Surgeons (AAOS) Appropriate Use Criteria for Optimizing the Management of Rotator Cuff Problems, Review Panel Member
2013	National Hockey League (NHL)/National Hockey League Players Association (NHLPA) Second Opinion List, Consulting Physician
2014-2016	National Football League, Detroit Lions Organization, Team Physician
2014-present	American Shoulder and Elbow Surgeons (ASES), Committee Member
2014-present	Major League Baseball, Los Angeles Dodgers, Consultant
2014-present	National Football League, Detroit Lions Organization, Consultantant
2015-present	American Orthopaedic Society for Sposts Medicine Young Investigator Grant Review Committee, Reviewer
2015-present	American Shoulder and Elbow Surgeons 2016 Open Meeting Program Committee, Member
2015-present	National Basketball Association, Head Orthopaedic Consultant
2016-present	NBA GE Advisory Strategic Board, Member
2016-present	National Football League, Chief, Hip and Groin Subcommittee, Musculoskeletal Health
2016-present	National Football League, Detroit Lions Organization, Associate Team Physician
2016	Arthroscopy Association of North America, Shoulder Course Chairman
2017-2019	American Academy of Orthopaedic Surgeons, Chair of the Sports Medicine Content Committee
2017-2019	American Academy of Orthopaedic Surgeons, Member/Sports Medicine Content Committee
2017-2019	Arthroscopy Association of North America, Education Committee Member
2017-present	American Orthopaedic Society for Sports Medicine, Member-at-Large, Nominating Committee
2017	Arthroscopy Association of North America, Shoulder Course Chairman
2017	NIH Small Business Applications in Orthopedic, Skeletal Muscle and Oral Sciences, Reviewer
2018-2022	American Orthopaedic Society for Sports Medicine, Research Committee, Chair
2018-present	Association of Bone and Joint Surgeons, Awards Committee Chair
2018-present	San Diego Shoulder Institute Planning Committee (SDSI), Program Planning Committee
2019-present	American Orthopaedic Society for Sports Medicine, Board Member

Regional

2005-2007	University of Michigan Athletics, Ann Arbor, Michigan, Assistant Team Physician,
2007-2008	Iona College Athletics, New Rochelle, New York, Assistant Team Physician
2009-2016	University of Michigan Athletics, Ann Arbor, Michigan, Team Physician
2009-present	Eastern Michigan University Athletic Program, Ypsilanti, Michigan, Team Physician

2012-present Michigan Orthopaedic Society, Board Member
 2016-present University of Michigan Athletics, Ann Arbor, Michigan, Head Orthopaedic Team Physician

Institutional

2000-2002 Biomedical Research Advisory Committee, University of Michigan, Ann Arbor, Michigan, Member
 2001-2002 Alpha Omega Alpha Medical Honor Society, Ann Arbor, Michigan, Vice President
 2010-present Sports Medicine and Shoulder Surgery Fellowship Education Committee, University of Michigan, Ann Arbor, Michigan, Member
 2011-present Faculty Senate Assembly, University of Michigan, Ann Arbor, Michigan, Alternate Member
 2011 Research Advisory Committee, Department of Orthopaedic Surgery, University of Michigan, Ann Arbor, Michigan, Member
 2012-2013 Patient Care Committee, Department of Orthopaedic Surgery, University of Michigan, Ann Arbor, Michigan, Member
 2013-present Next accreditation System (NAS) Implementation Committee, Orthopaedic Surgery, University of Michigan, Ann Arbor, Michigan, Member
 2015-present Orthopaedic Surgery Executive Committee, Member
 2017-2018 Michigan Medical School, Senior Faculty Member Outside Department
 2017-present Scientific Advisory Committee, Member
 2019-present Patient Advocacy Reporting System (PARS) and the Co-Worker Observation Reporting System (CORS), Peer Mentor

Administrative Services

Consulting Positions

04/30/2020-present Faculty Member, Michigan Concussion Center, Ann Arbor, Michigan

Visiting Professorships and Extramural Invited Presentations

Visiting Professorships

04/02/2009 "ACL Reconstruction Techniques", Current Concepts in Sports Medicine – An International Learning and Training Program, Hospital for Special Surgery, April 2009, New York, New York
 11/01/2009 "Mastering Arthroscopic Rotator Cuff Tears", American Academy of Orthopaedic Surgeons Instructional Course Lecture, November 2009, Rosemont, Illinois
 11/09/2009 "Tendon-Bone Healing: Current Problems and Future Solutions", Detroit Orthopaedic Association, November 2009, Detroit, Michigan
 12/09/2009 "Meniscus Tears: Past, Present, and Future", Department of Orthopaedic Surgery, University of Virginia Health System, December 2009, Charlottesville, Virginia
 02/09/2010 "Mechanical Causes of Hip Pain in the Athlete", Grand Rounds Presentation, Department of Orthopaedic Surgery, University of Miami, February 2010, Miami, Florida
 02/13/2010 "Current Concepts in Hip Arthroscopy", Smith & Nephew Endoscopy sponsored course, February 2010, Lake Success, New York, February 13, 2010
 02/18/2010 "Femoroacetabular Impingement: To Scope or Not?", Grand Rounds Presentation, Department of Orthopaedics, University of Michigan, February 2010, Ann Arbor, Michigan
 06/14/2010-06/16/2010 "ACL Study Group Lecture: Current Considerations with Tunnel Placement in ACL Reconstruction", University of Pittsburgh Medical Center, June 2010, Pittsburgh, Pennsylvania
 07/31/2010-08/01/2010 Hip Arthroscopy Course, Arthroscopy Association of North America, July 2010, Chicago, Illinois
 08/10/2010 "Technical Considerations with ACL Reconstruction: What We Have Learned", Grand Rounds Presentation, Dwight Eisenhower Army Medical Center, August 2010, Augusta, Georgia
 08/11/2010 "Arthroscopic Management of Athletic Hip Pain", Grand Rounds Presentation, Medical College of Georgia, August 2010, Augusta, Georgia

09/21/2010	"Common Shoulder Conditions", Department of General Medicine Grand Rounds, University of Michigan, September 2010, Ann Arbor, Michigan
10/19/2010	"Common Etiologies of Pre-Arthritic Hip Pain", Grand Rounds Presentation, Department of General Medicine, University of Michigan, October 2010, Ann Arbor, Michigan
11/05/2010-11/07/2010	Hip Arthroscopy Course, Arthroscopy Association of North America, November 2010, Chicago, Illinois
05/11/2011	"Anterior Cruciate Ligament Injury and Reconstruction", Michigan State University Campus-wide Orthopaedic Resident Course, May 2011, Troy, Michigan
05/11/2011	"Current Concepts in ACL Reconstruction", Michigan State University Campus-wide Orthopaedic Resident Course, May 2011, Troy, Michigan
10/17/2011	"Current Concepts in ACL Reconstruction", Grand Rounds Presentation, William Beaumont Hospital, October 2011, Royal Oak, Michigan
04/11/2012	"Current Concepts in ACL Reconstruction", Grand Rounds, The Henry Ford Health System, April 2012, Detroit, Michigan
04/25/2012	"Tendon-Bone Healing: Where are we now?", Grand Rounds, The Philadelphia Hand Center, April 2012, Philadelphia Pennsylvania
05/04/2012	"Current Concepts in ACL Reconstruction", Grand Rounds, The Michigan State University, Kalamazoo Center for Medical Studies, May 2012, Kalamazoo, Michigan
05/24/2012-05/25/2012	"Tendon-Bone Healing: Where are we now?", Grand Rounds and Visiting Clinician Scholar Program, University of Minnesota Department of Orthopaedic Surgery, May 2012, Minneapolis, Minnesota
07/06/2012	"Femoroacetabular Impingement", AOSSM/APOSSM Visiting Fellowship Program, July 2012, Ann Arbor, Michigan
09/27/2012-10/01/2012	"Getting It Down – Arthroscopy Basics", International Society for Hip Arthroscopy 2012 Meeting, September 2012, Boston, Massachusetts
10/02/2012	"Engineering Solutions for Shoulder Instability and Hip Arthroscopy", BME 599 - Graduate Innovative Design in Biomedical Engineering Lecture, University of Michigan, October 2012, Ann Arbor, Michigan
01/17/2013-01/19/2013	"Biomarkers and Femoroacetabular Impingement", Smith & Nephew Vail Hip Symposium, January 2013, Vail, Colorado
01/17/2013-01/19/2013	"Defining the Hip Capsular Complex", Smith & Nephew Vail Hip Symposium, January 2013, Vail, Colorado
01/17/2013-01/19/2013	"Femoroacetabular Impingement and Hip Instability", Smith & Nephew Vail Hip Symposium, January 2013, Vail, Colorado,
01/17/2013-01/19/2013	"Heterotopic Ossification and Femoroacetabular Impingement", Smith & Nephew Vail Hip Symposium, January 2013, Vail, Colorado
02/01/2013-02/02/2013	"How Much Arthritis is Too Much for Hip Preservation?", St. Louis Hip Skills Course 2013, February 2013, St. Louis, Missouri
02/01/2013-02/02/2013	"Treatment of FAI: Pincer Impingement", St. Louis Hip Skills Course 2013, February 2013, St. Louis, Missouri
02/01/2013-02/02/2013	"Diagnosing Extra-articular Impingement", St. Louis Hip Skills Course 2013, February 2013, St. Louis, Missouri
02/01/2013-02/02/2013	"Three Dimensional Imaging of the Hip", St. Louis Hip Skills Course 2013, February 2013, St. Louis, Missouri
04/25/2013	"Current Concepts in ACL Reconstruction", Grand Rounds, United States Air Force Academy, San Antonio Orthopaedic Surgery Program, April 2013, San Antonio, Texas
05/11/2013	"Biomarkers and FAI: Studies to Understanding Natural History and the Efficacy of Joint Preservation Surgery", Femoroacetabular Impingement Symposium, McMaster University, May 2013, Hamilton, Ontario, Canada
05/12/2013-05/16/2013	"Transtibial vs. Far Anteromedial Portal vs. Outside-In Technique for Femoral Tunnel Drilling in ACL Reconstruction: Why Do You Prefer the Technique?", 9th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress 2013, May 2013, Toronto, Ontario

05/23/2013-05/26 /2013 "Principles of Meniscus Repair: All-Inside Technique", 86th Annual Japanese Orthopaedic Association, May 2013, Hiroshima, Japan

08/06/2013-08/07 /2013 "Evaluation and Treatment of Elbow Injuries in Throwing Athletes", Spectrum Health Orthopaedic Surgery Program, August 2013, Grand Rapids, Michigan

08/07/2013 "The Management of Ulnar Collateral Ligament Injuries in Throwing Athletes", Grand Rounds, Spectrum Health, Blodgett Hospital, August 2013, Grand Rapids, Michigan

08/07/2013 "Elbow Arthroscopy: Principles and Indications", Grand Rounds, Spectrum Health, Blodgett Hospital, August 2013, Grand Rapids, Michigan

01/31/2014-02/01 /2014 "Three Dimensional Imaging of the Hip", St. Louis Hip Skills Course, January 2014, St. Louis, Missouri

01/31/2014-02/01 /2014 "Psoas Tendon: Function and Indications for Release", St. Louis Hip Skills Course, January 2014, St. Louis, Missouri

01/31/2014-02/01 /2014 "Reasons for Hip Arthroscopy Failure", St. Louis Hip Skills Course 2014, January 2014, St. Louis, Missouri

01/31/2014-02/01 /2014 "Open Versus Arthroscopic Approach for FAI", St. Louis Hip Skills Course 2014, January 2014, St. Louis Missouri

03/31/2014 "Computer-Assisted Modeling and Navigation in Hip Preservation Surgery", Grand Rounds, Steadman-Philippon Research Institute, March 2014, Vail, Colorado

07/10/2014-07/13 /2014 "The Sport-Specific Evaluation of Hip Pain – Scope or Stay Away?", American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington

07/10/2014-07/13 /2014 "Revision ACL – Why and How?" David R. Diduch MD, Gehron Treme MD, Asheesh Bedi MD, Claude T. Moorman III, MD, American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington

07/18/2014 "Research Considerations in Hip Preservation in 2014", Washington University St. Louis, Department of Orthopaedic Surgery Grand Rounds, July 2014, St. Louis, Missouri

09/04/2014 "An Update on Hip Preservation Surgery: What We Know and What We Don't", University of Michigan Medical School, Department of Orthopaedic Surgery Visiting Professor Distinguished Lectureship, September 2014, Ann Arbor, Michigan

01/21/2015 "Arthroscopy Hip Surgery in 2015: Accomplishments and Challenges", Washington University Medical School Grand Rounds, Washington University St. Louis, January 2015, St. Louis, MO

05/06/2015 "Current Concepts in Hip Preservation Surgery", Department of Orthopaedic Surgery, Boston University Medical Center, May 2015, Boston, Massachusetts

07/11/2016 "Hip Arthroscopy in 2016: Successes and Challenges", Grand Rounds Presentation, Steadman Philippon Research Institute, July 2016, Vail, Colorado

10/14/2016 "Scientific Basis for Tendon Healing", Beaumont Hospital, Grand Rounds, October 2016, Royal Oak, Michigan

01/31/2017-02/01 /2017 "Cases Focusing on Hip Arthroscopy", Western Ontario University, January 2017, London, ONT, Canada

02/15/2017-02/16 /2017 "Hip Preservation in 2017: Knowns and More Unknowns", Massachusetts General Hospital, February 2017, Boston, Massachusetts

05/02/2017-05/03 /2017 "Hip Preservation: Current Accomplishments and Future Challenges", Beth Israel Deaconess Medical Center, May 2017, Boston, MA

04/11/2018-04/12 /2018 "Hip Preservation in 2018: What We Know and What We Don't", Columbia University, April 2018, New York

06/13/2018-06/14 /2018 "Hip Preservation Surgery: What We Know and What We Don't", Case Western Reserve University, June 2018, Cleveland, Ohio

06/13/2018-06/14 /2018 "Considerations for Revision Shoulder Instability", Case Western Reserve University, June 2018, Cleveland, Ohio

07/31/2018-08/02 /2018 "Management Considerations for Superior Labral Injury and Biceps Pathology", University of Washington, July 2018, Seattle, Washington

01/15/2019-01/16 /2019 "An Update for Hip Preservation in 2019: Accomplishments and Challenges", University of Virginia, January 2019, Charlottesville, Virginia

01/15/2019-01/16 /2019	"A Current Update on Biological Augmentation for Soft Tissue Injury", University of Virginia, January 2019, Charlottesville, Virginia
04/22/2019-04/23 /2019	"Hip Preservation in 2019 for the Athlete", Andrews Institute, April 2019, Gulf Breeze, Florida
05/15/2019-05/16 /2019	"Management Options for the Massive Rotator Cuff Tear", Wilson Visiting Professorship, May 2019, Buffalo, New York
05/15/2019-05/16 /2019	"Hip Preservation in 2019: Current Accomplishments and Future Challenges", Wilson Visiting Professor, May 2019, Buffalo, New York
05/21/2019-05/22 /2019	"Hip Preservation: My Journey", McMaster Visiting Professorship, May 2019, Hamilton, Ontario, Canada
01/21/2020-01/22 /2020	"Hip Preservation- Where Are We in 2020?", Mount Sinai Health System, January 2020, New York, New York

Extramural Invited Presentations

1. Shoulder Arthroplasty Course, invited assistant instructor, American Academy of Orthopaedic Surgeons /American Shoulder and Elbow Surgeons, November 2008, Rosemont, Illinois
2. "ACL Reconstruction: New Anatomic and Biomechanical Considerations", Institute for Sports Medicine Research, Hospital for Special Surgery, April 2009, New York, New York
3. "The Effect of Early and Delayed Loading on Tendon Bone healing after ACL Reconstruction", Hospital for Special Surgery Alumni Association Meeting, Wilson Award Lecture, November 2009, New York, New York
4. "Arthroscopic Management of Femoroacetabular Impingement", Detroit Medical Center Annual Sports Medicine Symposium, July 2013, Detroit, Michigan
5. "Arthroscopic Management of Hip Impingement", 2013 Detroit Medical Center Sports Symposium, July 2013, Detroit, Michigan
6. "Rest After Surgery: Is it Important?", 2013 Fischbones Society Orthopaedic Surgery Meeting, July 2013, Nisswa, Minnesota
7. "Current Limitations and Future Solutions for Rotator Cuff Repair Surgery", Michigan Orthopaedic Society (MOS) Fall 2013 Program, October 2013, Grand Rapids, Michigan
8. "Post Bursectomy for an Isolated Problem: Now Arthroscope the Central Compartment as Well", Emerging Techniques in Orthopaedics, Sports Medicine and Arthroscopic Surgery, December 2013, Las Vegas, Nevada
9. "Hip Capsule Closure is Essential", Emerging Techniques in Orthopaedics, Sports Medicine and Arthroscopic Surgery, December 2013, Las Vegas, Nevada
10. "Minimal Bone Work is Needed for Cam and Pincer with a Good Labral Debridement/Repair", Emerging Techniques in Orthopaedics, Sports Medicine and Arthroscopic Surgery, December 2013, Las Vegas, Nevada
11. "Teacher vs. Student: Labral Reconstruction is Necessary Most Often", Emerging Techniques in Orthopaedics, Sports Medicine and Arthroscopic Surgery, December 2013, Las Vegas, Nevada
12. "Advances in the Future in Hip Arthroscopy", Emerging Techniques in Orthopaedics, Sports Medicine and Arthroscopic Surgery, December 2013, Las Vegas, Nevada
13. "Endoscopic Treatment of Iliopsoas Pathology: Rationale for Treatment Arthroscopically-Leave it Alone or Cut it Away", Emerging Techniques in Orthopaedics, Sports Medicine and Arthroscopic Surgery, December 2013, Las Vegas, Nevada
14. "Future Developments in Hip Arthroscopy and Computer Navigation", Emerging Techniques in Orthopaedics (ETO), December 2013, Las Vegas, Nevada
15. "Conservative Treatment: Mini-Symposium: Current Concepts in the Treatments of Epicondylitis", Hospital for Special Surgery, Current Concepts: Sports Medicine in Tennis, December 2013, New York, New York
16. "Pathophysiology and Diagnosis of Hip Injury in Tennis", Hospital for Special Surgery, Current Concepts: Sports Medicine in Tennis, December 2013, New York, New York
17. "Pathophysiology of Elbow Injury in Tennis: Impingement and Tendinitis", Hospital for Special Surgery, Current Concepts: Sports Medicine in Tennis, December 2013, New York, New York
18. "Subspine and Extra-articular Hip Impingement", Smith & Nephew Vail Hip Symposium, March 2014, Avon, Colorado

19. "Future Frontiers in Computer Navigation and Planning for Hip Preservation Surgery", Smith & Nephew Vail Hip Symposium, March 2014, Avon, Colorado
20. "Radiographic Analysis in Hip Preservation Surgery", Smith & Nephew Vail Hip Symposium, March 2014, Avon, Colorado
21. "ACL Reconstruction in the Soccer Athlete", Fairview Sports and Orthopaedic Care, Current Concepts in Sports Medicine, April 2014, Edina, Minnesota
22. "Tissue and Stem Cells in Healing Orthopaedic Injuries", Fairview Sports and Orthopaedic Care, Current Concepts in Sports Medicine, April 2014, Edina, Minnesota
23. "Future Frontier and Motion Analysis in Sports Medicine", Fairview Sports and Orthopaedic Care, Current Concepts in Sports Medicine, April 2014, Edina, Minnesota
24. "Shoulder Arthroplasty Basics, Cadaver Laboratory: Biomet", 31st Annual San Diego Shoulder Institute Course, June 2014, San Diego, California
25. "Special Track Break-Out Sessions, Arthroscopy: Instability", 31st Annual San Diego Shoulder Institute Course, June 2014, San Diego, California
26. "What is a SLAP II Tear?", 31st Annual San Diego Shoulder Institute Course, June 2014, San Diego, California
27. "Subspine/AIIS Impingement: Concept, Anatomy, and Outcomes", AAOS/AAHKS/POSNA, Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation/Disorders, July 2014, Rosemont, Illinois
28. "Acetabular Sided Deformities: Normal and Pathologic Variants", AAOS/AAHKS/POSNA, Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation/Disorders, July 2014, Rosemont, Illinois
29. Surgical Dislocation Approach Lab, AAOS/AAHKS/POSNA, Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation/Disorders, July 2014, Rosemont, Illinois
30. "How to Enter the Joint, Labral Repair, and Cam Decompression"- Basic Hip Arthroscopy Lab, AAOS /AAHKS/POSNA, Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation /Disorders, July 2014, Rosemont, Illinois
31. Arthroscopic Video Demo: Portal Placement, Exposure, and Capsular & Labral Management, AAOS /AAHKS/POSNA, Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation /Disorders, July 2014, Rosemont, Illinois
32. PAO Lab, AAOS/AAHKS/POSNA, Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation/Disorders, July 2014, Rosemont, Illinois
33. "The Contribution of Anatomical Sex Differences in Skeletal Anatomy to the Development of Musculoskeletal Injuries", AAOS/CORR/ORS/CMH-UCD/SWHR Musculoskeletal Sex Differences Throughout the Lifespan Research Symposium, July 2014, Rosemont, Illinois
34. "Biologic Consideration in Rotator Cuff Repair Surgery", Michigan Orthopaedic Society and William Beaumont Continuing Medical Education, 2014 Annual Fall Education Program, October 2014, Plymouth, Michigan
35. "Simvastatin Reduces Fibrosis and Protects Against Muscle Weakness after Massive Rotator Cuff Tear", ASES 2014 Closed Meeting, October 2014, Pinehurst, North Carolina
36. "Total Shoulder Arthroplasty for Primary Osteoarthritis Utilizing a Mini-Stem Humeral Component: Midterm Results of the First 100 Cases", ASES 2014 Closed Meeting, October 2014, Pinehurst, North Carolina
37. "Engaging Hill Sachs Defect: Latarjet vs Remplissage", ASES 2014 Closed Meeting, October 2014, Pinehurst, North Carolina
38. "Arthroscopic Treatment for Residual of SCFE: Treatment of Severe Residual Deformity", AOTrauma Course: Surgical Preservation of the Hip, January 2015, Salt Lake City, Utah
39. "Advances in Labral Reattachment", AOTrauma Course: Surgical Preservation of the Hip, January 2015, Salt Lake City, Utah
40. "Biomarkers: What Can They Tell Us", AOTrauma Course: Surgical Preservation of the Hip, January 2015, Salt Lake City, Utah
41. "Scans: Can They Substitute for Plain Radiographs", AOTrauma Course: Surgical Preservation of the Hip, January 2015, Salt Lake City, Utah
42. Session 7: "Impingement Presentations", Moderator, AOTrauma Course: Surgical Preservation of the Hip, January 2015, Salt Lake City, Utah

43. "Optimal Technique for Osteochondroplasty", AOTrauma Course: Surgical Preservation of the Hip, January 2015, Salt Lake City, Utah
44. "Subspine Impingement of the Hip", Smith & Nephew Vail Hip Symposium - A Decade of Education and Innovation, January 2015, Vail, Colorado
45. "Preoperative Planning for Hip Arthroscopy", Smith & Nephew Vail Hip Symposium - A Decade of Education and Innovation, January 2015, Vail, Colorado
46. "Cartilage Biomarkers: Are they Useful?", Smith & Nephew Vail Hip Symposium - A Decade of Education and Innovation, January 2015, Vail, Colorado
47. "3-Dimensional Imaging of the Hip (FAI and DDH)", St. Louis Hip Skills Course 2015: Hip Arthroscopy, Preservation and Replacement Procedures, St Louis University, January 2015, St. Louis, Missouri
48. "Arthroscopic Management of Pincer Type Variants", St. Louis Hip Skills Course 2015: Hip Arthroscopy, Preservation and Replacement Procedures, St Louis University, January 2015, St. Louis, Missouri
49. "Open vs. Arthroscopic Treatment options (case-based discussion)", St. Louis Hip Skills Course 2015: Hip Arthroscopy, Preservation and Replacement Procedures, St Louis University, January 2015, St. Louis, Missouri
50. "Reasons for Hip Scope Failure", St. Louis Hip Skills Course 2015: Hip Arthroscopy, Preservation and Replacement Procedures, St Louis University, January 2015, St. Louis, Missouri
51. Hands on Cadaver Lab: "Hip Arthroscopy, Surgical Dislocation, Arthroplasty Procedures (anterior and posterior)", St. Louis Hip Skills Course 2015: Hip Arthroscopy, Preservation and Replacement Procedures, St Louis University, January 2015, St. Louis, Missouri
52. "The Psoas Tendon: Function and Indications for Release", St. Louis Hip Skills Course 2015: Hip Arthroscopy, Preservation and Replacement Procedures, St Louis University, January 2015, St. Louis, MO
53. Clinical Panel: "Soft Tissue Fixation Strategies How Basic Science Affects My Practice?", International Symposium on Ligaments and Tendons, March 2015, Las Vegas, Nevada
54. "The Basics: Impingement to Instability -Patient Selection PEARLS", AAOS/AAHKS/AOSSM/POSNA Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation/Disorders #3345, July 2015, Rosemont, Illinois
55. "The Basics: Impingement to Instability - Imaging: Plain Radiographs, MRI, 3D Imaging", AAOS/AAHKS /AOSSM/POSNA Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation /Disorders #3345, July 2015, Rosemont, Illinois
56. Education Committee Fall Course Faculty Shoulder Symposium Course Chair, Arthroscopy Association of North America, January 2016, Fall Course, Las Vegas, Nevada
57. "When and How Should I Do Latarjet?", AANA Annual Fall Meeting, November 2016, Las Vegas, Nevada
58. "Does Hip Arthroscopy Have a Role in the Treatment of Developmental Hip Dysplasia?", AAHKS Annual Meeting, November 2016, Dallas, Texas
59. "Arthroscopic Treatment of SCFE: Where are We in 2017?", AONA Hip Symposium 2017, January 2017, Marco Island, Florida
60. "CT Based Collision Models: Can We Rely on Them?", AO North America, January 2017, Marco Island, Florida
61. "Labral Treatment 2017: Includes Anchor Size, Technique, Influence on Labral Function", AONA Hip Symposium 2017, January 2017, Marco Island, Florida
62. "Biologics" Moderator, Hospital for Special Surgery 4th Annual Sports Council Meeting, January 2017, Palm Beach, Florida
63. "Biologics Case Presentations and Discussion", Sports Council Meeting, January 2017, Palm Beach, Florida
64. Biologics in Revision Surgery: Discussion of the use of StimuBlast, Arthrocell and Quickset in ACL, Rot Cuff and other Surgery, Orthopaedic Technology and Innovation Forum (OTIF), January 2017, Bonita Springs, Florida
65. ACL and ALL panel Moderator, Orthopaedic Technology and Innovation Forum (OTIF), January 2017, Bonita Springs, Florida
66. ACL InternalBrace Biomechanical Rationale, Orthopaedic Technology & Innovation Forum, January 2017, Bonita Springs, Florida
67. Biologics in Revision Surgery, Orthopaedic Technology and Innovation Forum (OTIF), January 2017, Bonita Springs, FL

68. "Hip Impingement in Football and Lineman", NFL, February 2017, Indianapolis, Indiana
69. "The Characterization and Correction of Symptomatic Hip Impingement in American Football Linemen", National Football League Physicians Society, March 2017, Indianapolis, Indiana
70. "Primary Anterior Cruciate Ligament Reconstruction (ACL-R): Getting it Right the First Time", AAOS Annual Meeting, March 2017, San Diego, California
71. "Surgery for Femoroacetabular Impingement in Skeletally Immature Patients: Radiographic and Clinical Analysis", AAOS Annual Meeting, March 2017, San Diego, California
72. "Adolescent Hip Pain: A Frequent Complaint", AAOS Annual Meeting, March 2017, San Diego, California
73. "Does Concomitant Biceps Surgery Affect the Outcome of Rotator Cuff Repair?", AAOS Annual Meeting, March 2017, San Diego, California
74. Hip- Surgical Spotlight: "How I deal with the Capsule in FAI Surgery", AAOS- Specialty Day AOSSM, March 2017, San Diego, California
75. "How I Deal with the Capsule in FAI Surgery", AAOS- Specialty Day- AANA, March 2017, San Diego, California
76. "Shoulder Instability", AAOS- Specialty Day- ASES, March 2017, San Diego, California
77. "Is a Home Exercise Program a Viable Alternative for Older Adults with Symptomatic Rotator Cuff Tears?", American Academy of Health Behavior, March 2017, Tucson, Arizona
78. "Does Smoking Affect Treatment Allocation and Outcomes in Patients with Rotator Cuff Tears?", American Academy of Health Behavior, March 2017, Tucson, Arizona
79. "Can The Natural History of Femoroacetabular Impingement (FAI) Be Altered and Improved with Surgical Treatment?", ABJS, April 2017, Austin, Texas
80. "Can the Natural History of Femoroacetabular Impingement (FAI) be Altered and Improved with Surgical Treatment?", ABJS Annual Meeting, April 2017, Austin, Texas
81. "Biomarkers For Hip Impingement", ABJS, April 2017, Austin, Texas
82. "Muscle Injury and Recovery After ACL Injury", Herodicus Society, May 2017, San Francisco, California
83. "Muscle Recovery and Function after ACL Injury", Herodicus Society, May 2017, San Francisco, California
84. "Does Concomitant Biceps Surgery Affect the Outcome of Rotator Cuff Repair?", ISAKOS Annual Meeting, June 2017, Shanghai, China
85. "Hip Pain in the Athlete: Evidence Based Tools for Diagnosis", ISAKOS Annual Meeting, June 2017, Shanghai, China
86. "Does Obesity Affect Functional Outcomes After Rotator Cuff Repair?", ISAKOS Annual Meeting, June 2017, Shanghai, China
87. "Genetics in Knee Injuries", ISAKOS Annual Meeting, June 2017, Shanghai, China
88. "Reducing Re-Tear Rate After Rotator Cuff Repair", SDSI/Codman, June 2017, San Diego, California
89. "Patch Augmentation of Rotator Cuff Repairs", SDSI/Codman, June 2017, San Diego, California
90. "Current Update in Hip Arthroscopy", DMC Detroit Regional Sports Medicine Symposium, July 2017, Plymouth, Michigan
91. "Hip Arthroscopy/Hip Preservation Case", AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
92. "Return to Play After Multi-ligament Knee Injuries in National Football League (NFL) Athletes", AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
93. "Surgery for Femoroacetabular Impingement in Skeletally Immature Patients: Radiographic and Clinical Analysis", AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
94. "The Baseball Thrower: What Can Non-Surgeons Teach Us?", AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
95. "Strategies to Diagnose and Address Rotational Laxity of the Knee", AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
96. "Performance-Based Outcomes After Operative Management of Athletic Pubalgia/Core Muscle Injury in National Football League Players", AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
97. "Hip Abductor Tears: Patient Evaluation and Treatment Options", AAOSM, July 2017, Toronto, Ontario, Canada
98. "Biologic Solutions and Injury", Council on Sports Medicine, January 2018, Palm Beach, Florida

99. "Surgical Treatemnt for FAI in North America: An update from the ANCHOR Group", Bernese Hip Symposium, January 2018, Bern, Switzerland
100. "Slap Tears in Athletes under 30: When to Fix Versus Biceps Tenodesis", Shoulder, Knee, and Sports Meeting, February 2018, Snowbird, Utah
101. "Radiological Assessment of the Rotaor Cuff - What Predicts Outcomes?", Shoulder, Knee, and Sports Meeting, February 2018, Snowbird, Utah
102. "Is There Really a Superior ACL Reconstruction Surgical Technique?", Shoulder, Knee, and Sports Meeting, February 2018, Snowbird, Utah
103. "MRI of the Elbow: What You Need To Know", Shoulder, Knee, and Shoulder Meeting, February 2018, Snowbird, Utah
104. "Your Patient has an Irreparable RC Tear: What Now?", Shoulder, Knee, and Sports Meeting, February 2018, Snowbird, Utah
105. "Subscapularis Insufficiency", San Diego Shoulder Institute, June 2018, San Diego, California
106. "Arthroscopy, Culture and Biopsy and Preserve the Joint is the Best Choice", San Diego Shoulder Institute, June 2018, San Diego, California
107. "Shoulder Arthritis in the Aging Athlete- Management Strategies for 2018", American Orthopaedic Society for Sports Medicine, July 2018, San Diego, California
108. ACL Pannel Discussion, Moderator, American Orthopaedic Society for Sports Medicine, July 2018, San Diego, California
109. "The Borderline Dysplastic Hip: Arthroscopy or PAO?", American Orthopaedic Society for Sports Medicine, July 2018, San Diego, California
110. "Extra-Articular Impingement in the Athlete", American Orthopaedic Society for Sports Medicine, July 2018, San Diego, California
111. "Current Update on Biologic Augmentation Approaches for Soft Tissue Healing", American Orthopaedic Society for Sports Medicine, July 2018, San Diego, California
112. "Hip Preservation in 2018: Accomplishments and Challenges", University of Washington Garrick Lecture, July 2018, Seattle, Washington
113. "Partial Repair, Superior Capsular Reconstruction, Tendon Transfers", American Shoulder and Elbow Surgeons, October 2018, Chicago, Illinois
114. "Hip Arthroscopy and Joint Preservation: Where We Are and Where to Go", Michigan Orthopedic Society, October 2018, Plymouth, Michigan
115. "Collision Models: Do They Improve Treatment?", AO North America, Surgical Preservation of the Hip, January 2019, Vail, Colorado
116. "Limits of Arthrsopic FAI Surgery", AO North America, Surgical Preservation of the Hip, January 2019, Vail, Colorado
117. "Diagnosis Imaging, Associated Morphologies and Non-Surgical Management", AO North America, Surgical Preservation of the Hip, January 2019, Vail, Colorado
118. "Femoral Acetabluar Impingement: Barriers to Return to Sport and Duty", Extremity War Injuries, January 2019, Washington, DC
119. Non-Biologics, AOSSM, NFLPS, PFATS, March 2019, Nashville, TN
120. Hip Instability and Dysplasia, AOSSM, NFLPS, PFATS, March 2019, Nashville, TN
121. Posterior Shoulder Instability, AOSSM, NFLPS, PFATS, March 2019, Nashville, TN
122. "Anterolateral Instability: Indications and Technique", Panel Discussion, Panther Symposium 2019, June 2019, Pittsburgh, Pennsylvania
123. "Anterolateral Anatomy and Surgery", Panther Symposium 2019, June 2019, Pittsburgh, Pennsylvania
124. "Can we Accurately Measure Bone Loss?", San Diego Shoulder Institute, June 2019, San Diego, California
125. "How to Approach Rotator Cuff for a Double Row Repair", San Diego Shoulder Institute, June 2019, San Diego, California
126. "Anterior Instabiity in the Young Athlete"- Panel Discussion with Audience Participation, San Diego Shoulder Institute, June 2019, San Diego, California
127. "Chondroplasty: Is there a Role and Can it be Effective?", American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts

128. Two Cases in 30: "From FAI to Tears and Problems Outside the Hip" MODERATOR, American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
129. "AOSSM Best of Research and Upcoming Funding Opportunities", MODERATOR and PRESENTER, American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
130. "Extra-Articular Tenodesis and ALL (Anterolateral Liagment)", American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
131. "Arthroscopic Cuff Repair is Better Than You Think- My Pearls of Success", American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
132. "Knotless, Tensionable Labral Repair for Hip and Shoulder", American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
133. "Multiple Souces of Impingement in the Same Hip: Complex Considerations", AAOS/AAHKS/POSNA /OLC Course, September 2019, Chicago, Illinois
134. Basic Science Paper Session #5: MODERATOR, American Shoulder and Elbow Surgeons 2019 Annual Meeting, October 2019, New York, New York
135. Arthroscopic vs Open Stabilization: Indications, Outcomes, and Controversies. ICL#303, American Shoulder and Elbow Surgeons 2019 Annual Meeting, October 2019, New York, New York
136. "Evolving Technique Update: 2019 Update Biologics, Stem Cells, Growth Factors for Rotator Cuff Tears: Does it Make any Sense- Fact or Fiction", Orthopaedic Summit Evolving Techniques, December 2019, Las Vegas, Nevada
137. "Rapid Fire Rotaor Cuff Cases & Putting Panelists on the Spot", Orthopaedic Summit Evolving Techniques, December 2019, Las Vegas, Nevada
138. Evolving Technique: " My Rep Told Me, Metal, No Biocomposite, No PEEK: Does It Matter What We Use In the Shoulder?", Orthopaedic Summit Evolving Techniques, December 2019, Las Vegas, Nevada
139. "Fundamentals of FAI- from Ganz to 2020", St. Louis Hip Skills Course, January 2020, St. Louis, Missouri
140. "Hip Arhtroscopy- Surgical Video", St. Louis Hip Skills Course, January 2020, St. Louis, Missouri

Other

1. "Open Reduction and Internal Fixation of Scaphoid Fractures via a Limited Dorsal Approach", Department of Orthopaedic Surgery, University of Michigan, September 2006, Ann Arbor, Michigan
2. "Anatomy and ACL Reconstruction Surgery", MedSport Athletic Training Outreach Program, University of Michigan, January 2010, Ann Arbor, Michigan
3. "Intraoperative Correlation of Radiographic Findings", Department of Radiology, University of Michigan, January 2010, Ann Arbor, Michigan
4. "Knee Anatomy: Clinical Relevance of Basic Anatomy", University of Michigan Medical School, March 2010, Ann Arbor, Michigan
5. Shoulder Session, moderator, 2010 Annual Michigan Orthopaedic Society, June 2010, Mackinac Island, Michigan
6. "Knee Anatomy: Clinical Relevance of Basic Anatomy", University of Michigan Medical School, March 2011, Ann Arbor, Michigan
7. Sports Medicine, moderator, Michigan Orthopaedic Society Annual Meeting, June 2011, Mackinac Island, Michigan
8. "Extended Resident Lecture, Department of Orthopaedic Surgery: Clinical Vignettes in Sports Medicine: Patellar Instability, OCD Lesions", University of Michigan Medical School, November 2012, Ann Arbor, Michigan
9. "Correlation of Arthroscopic and Radiology Images: How Radiology Helps Me", Director: Dr. Girish Gandikota, MD, Department of Radiology Educational Conference, University of Michigan, January 2013, Ann Arbor, Michigan
10. "Meniscus: Basic Science, Imaging, Repair & Transplantation", Department of Orthopaedic Surgery, University of Michigan, March 2013, Ann Arbor, Michigan
11. "ACL: Natural History, Basic Science, Treatment Options and Complications" lecturer, University of Michigan, Department of Orthopaedic Surgery, April 2013, Ann Arbor, Michigan
12. "Evaluation of Joint Pain in the Active Athlete", University of Michigan, Department of Anesthesiology, May 2013, Ann Arbor, Michigan

13. "FAI and Labral Injury", 2013 MedSport Sports Medicine Update, University of Michigan MedSport Sports Medicine Program, May 2013, Ann Arbor, Michigan
14. "Labral Tears and Femoroacetabular Impingement in the Athletes", University of Michigan, Department of Athletic Medicine, October 2013, Ann Arbor, Michigan
15. "Consideration of a Career in Orthopaedic Surgery", Academic Surgeon Development Program, University of Michigan Medical School, November 2013, Ann Arbor, Michigan
16. "Evaluating and Treating Failed Shoulder Instability", 2014 MedSport Sports Medicine Update, University of Michigan Health System, May 2014, Ann Arbor, Michigan
17. "Technical Challenges in Hip and Shoulder Arthroscopy", Department of Biomedical Engineering University of Michigan, September 2014, Ann Arbor, Michigan
18. "Rotator Cuff: Basic Science, Natural History and Treatment Options", Resident Lecture, Department of Orthopaedic Surgery, University of Michigan, January 2015, Ann Arbor, Michigan
19. "Shoulder Injuries in Throwing Athletes", 2015 MedSport Symposium, University of Michigan Health System, May 2015, Ann Arbor, Michigan
20. Discussion Moderator of Outcomes of PAO, Outcomes of FAI, Return to Sports after Hip Preservation Surgery, Successful Joint Preservation: Meeting Expectations, Confounders of Bad Outcomes, What Influences Patient Choices, AO North America, January 2017, Marco Island, Florida
21. Moderator: "Femoral Osteotomies: Can Our Implants be Optimized?", AONA Hip Symposium 2017, January 2017, Marco Island, Florida
22. Moderator: "How to Evaluate Failed Joint Preservation Surgery?", AONA Hip Symposium 2017, January 2017, Marco Island, Florida
23. Moderator: Total Hip Replacement (THR) After Hip Preservation Surgery, AONA Hip Symposium 2017, January 2017, Marco Island, Florida
24. ACL and ALL moderator, Orthopaedic Technology & Innovation Forum (OTIF), January 2017, Bonita Springs, Florida
25. "Management of Large Chondral Defects in the Knee: Options and Decision-Making", AAOS Scientific Exhibit SE76, March 2017, San Diego, California
26. "Lateral-Based Soft Tissue Augmentation in Anterior Cruciate Ligament Reconstruction: Historical Perspectives, Biomechanical Evidence, and Clinical Outcomes", AAOS Scientific Exhibit SE 62, March 2017, San Diego, California
27. "Management of Large Chondral Defects in the Knee: Options and Decision Making", AAOS Annual Meeting, March 2017, San Diego, California
28. "What is the Role of Computer Assisted 3D Modeling for Pre-Operative Planning of Shoulder Arthroplasty", AAOS Annual Meeting, March 2017, San Diego, California
29. Symposium Moderator: "My Well-Done Anterior Cruciate Ligament Reconstruction Failed... Now What?", AAOS Annual Meeting, March 2017, San Diego, California
30. "The Critical Bone Loss of the Glenoid That Leads to Recurrent Glenohumeral Instability Following Arthroscopic Bankart Repair in Anterior Shoulder Instability", ASES Specialty Day 2017, March 2017, San Diego, California
31. Moderator: A Prospective Comparative Study of Arthroscopic vs. Open Latarjet in the Treatment of Anterior Shoulder Instability with Marked Glenoid Bone Loss, ASES Specialty Day 2017, March 2017, San Diego, California
32. Moderator: Suture Button Fixation is an Alternative to Screw Fixation for Latarjet Procedure, ASES Specialty Day 2017, March 2017, San Diego, California
33. "Labral Tears and FAI", INOVA/Sports Medicine Summit, May 2017, Washington DC
34. "Shoulder Instability", INOVA/Sports Medicine Summit, May 2017, Washington DC
35. "Football Injuries", On Common Ground, University of Michigan Athletic Department, June 2017, Ann Arbor, Michigan
36. "Hip Pain in the Athlete: Evidence Based Tools for Diagnosis", ISAKOS Congress, June 2017, Shanghai, China
37. "Genetics in Knee Injuries", ISAKOS Congress, June 2017, Shanghai, China
38. Moderator: Hip, ISAKOS Annual Meeting, June 2017, Shanghai, China
39. Shoulder Instability Breakout Session, SDSI/Codman, June 2017, San Diego, California

40. Biologics- Panel/Moderator, SDSI/Codman, June 2017, San Diego, California
41. Moderator: Hip Video Session, AOSSM Annual Meeting, July 2017, Toronto, Ontario, Canada
42. "My Well Done ACL Failed: Now What? ALL?", University of Michigan, Carl E. Badgley Lectureship, September 2017, Ann Arbor, Michigan
43. "CAM Lesions, Gluteus Medius Tears", Hip OTIF, January 2018, Naples, Florida
44. "Managing Cartilage Defects", Hip OTIF, January 2018, Naples, Florida
45. "ACL Fixation and Biology", Hip OTIF, January 2018, Naples, Florida
46. "Advanced Diagnostic Imaging, Capsule Management", Hip OTIF, January 2018, Naples, Florida
47. "Non-Biological Injections", National Football League, March 2018, Indianapolis, Indiana
48. "FAI in the Athlete", Head, Shoulders, Knees, and Toes Symposium, University of Michigan, May 2018, Ann Arbor, Michigan
49. "Shoulder Injuries "Go or No Go"", Head, Shoulders, Knees, and Toes Symposium, University of Michigan, May 2018, Ann Arbor, Michigan
50. "Meniscus Repair Round Table", American Orthopaedic Society for Sports Medicine, July 2018, San Diego, California
51. "Elbow: A Comprehensive Review", AAOS-AOSSM Review Course, August 2018, Chicago, Illinois
52. "Hip Pain and the Athlete- New Solutions for Old Problems", University of Michigan, Carl E. Badgley Lectureship, September 2018, Ann Arbor, Michigan
53. "Safety in Sport" - Panel Discussion, ESSI Symposium, October 2018, Ann Arbor, Michigan
54. "Current Indications for Hip Arthroscopy- Learning Curve" - Plenary Case Discussion, AO North America- Surgical Preservation of the Hip, January 2019, Vail, Colorado
55. "Abductor Dysfunction" - Plenary Discussion, AO North America- Surgical Preservation of the Hip, January 2019, Vail, Colorado
56. "Enabling Technologies" - Plenary Discussion, AO North America- Surgical Preservation of the Hip, January 2019, Vail, Colorado
57. "Revision Treatment Options for Recurrent Instability Following Failed Anterior Arthroscopic Stabilization", American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
58. "Five Common Shoulder Problems in Overhead Sports: An Interactive, Case-Based, Problem Solving Session" IC102 Round Table, American Orthopaedic Society for Sports Medicine, July 2019, Boston, Massachusetts
59. "Blood Flow Restriction Training Does Not Improve Quadriceps Muscle Function after Anterior Cruciate Ligament Reconstruction: A Randomized Controlled Trial", National Football League, February 2020, Indianapolis, Indiana

Seminars

1. "Current Concepts in Sports Medicine", Second Annual Symposium of Hospital for Special Surgery, April 2008, New York, New York
2. "Meniscus Tears: Past, Present, and Future", Carl E. Badgley Lectureship, Department of Orthopaedic Surgery, University of Michigan, September 2008, Ann Arbor, Michigan
3. "The Effect of Matrix Metalloproteinase Inhibition of Tendon-Bone Healing in a Rotator Cuff Repair Model", Alumni Day, Hospital for Special Surgery, November 2008, New York, New York
4. "Current Concepts in Sports Medicine", Third Annual Symposium of Hospital for Special Surgery, April 2009, New York, New York
5. "Tendon-Bone Healing: Current Problems and Future Solutions", 47th Annual Carl E. Badgley Day Lectureship, University of Michigan, September 2009, Ann Arbor, Michigan
6. "Tendon-Bone Healing: Current Problems and Future Solutions", Michigan Orthopaedic Society Fall Education Program, October 2009, Plymouth, Michigan
7. "Tendon Biology and Repair", 55th Annual Meeting of the Orthopaedic Research Society, March 2010, New Orleans, Louisiana
8. "Mastering Shoulder Arthroscopy", 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, March 2010, New Orleans, Louisiana
9. "Complications of ACL Reconstruction", 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, March 2010, New Orleans, Louisiana

10. "Arthroscopic Treatment of Femoroacetabular Impingement", Larry S. Matthews Adult Reconstruction Lectureship, University of Michigan, May 2010, Ann Arbor, Michigan
11. "Arthroscopic Management of Athletic Hip Pain", 2010 Asia Pacific Orthopaedic Society for Sports Medicine Traveling Fellows Program, University of Michigan, July 2010, Ann Arbor, Michigan
12. "Meniscus Injury: Past, Present, and Future", 15th Annual Notre Dame Orthopaedic Society Annual Symposium, September 2010, South Bend, Indiana
13. "Current Techniques in ACL Surgery: What We Have Learned", 49th Annual Carl E. Badgely Day Lectureship, University of Michigan, October 2010, Ann Arbor, Michigan
14. "Anatomic ACL Reconstruction: What We Have Learned", Michigan Orthopaedic Society Annual Fall Education Program, October 2010, Plymouth, Michigan
15. "Clinical Evaluation and Patient Selection: A Mechanical Approach to the Non-Arthritic Hip", Hospital for Special Surgery Alumni Meeting, November 2010, New York, New York
16. Instructional Course Lecture: "Complications in ACL Reconstruction American", 76th Annual Academy of Orthopaedic Surgeons, February 2011, San Diego, California
17. Instructional Course Lecture: "Sports Hip Injuries: Assessment and Management", 76th Annual American Academy of Orthopaedic Surgeon, February 2011, San Diego, California
18. "Muscle Recovery after ACL Reconstruction", Comparative Orthopaedics Day, University of Missouri, April 2011, Columbia, Missouri
19. "Current Concepts in Hip Preservation Surgery: Now and the Future", Larry S. Matthews' Adult Lower Extremity Joint Reconstruction Lectureship, University of Michigan, May 2011, Ann Arbor, Michigan
20. "Technical Limitations in Hip Arthroscopy", Biomedical Engineering 599 Post-Graduate Course, Department of Biomedical Engineering, University of Michigan, September 2011, Ann Arbor, Michigan
21. "Current Techniques in ACL Surgery: What We Have Learned", 49th Annual Carl E. Badgely Day Lectureship, University of Michigan, October 2011, Ann Arbor, Michigan
22. "The Management of Femoroacetabular Impingement in Pre-Arthritic Patients with Hip Pain", Michigan Orthopaedic Society Fall Program, October 2011, Grand Rapids, Michigan
23. "Application of Three-Dimensional Modeling and Dynamization in Joint Preservation Surgery", Biomedical Engineering 456 Post-Graduate Course, Department of Biomedical Engineering, University of Michigan, October 2011, Ann Arbor, Michigan
24. "Clinical Evaluation and Patient Selection: A Mechanical Approach to the Non-Arthritic Hip", Hospital for Special Surgery Alumni Meeting, November 2011, New York, New York
25. "Shoulder and Knee Pathology and Clinical Evaluation", University of Michigan M2 Medical School Instructional Sequence, University of Michigan Medical School, December 2011, Ann Arbor, Michigan
26. Instructional Course Lecture, "Meniscal Repair and Transplantation", 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2012, San Francisco, California
27. Instructional Course Lecture, "Biological Augmentation of Tendon-Bone Healing: Where are we now?", 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2012, San Francisco, California
28. Instructional Course Lecture, "Sports Hip Injuries", 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2012, San Francisco, California
29. Instructional Course Lecture: "Emerging Concepts for Intra- and Extra-articular Hip Impingement: Specific Techniques and Limits of Hip Arthroscopy", 2012 Annual Arthroscopy Association of North America Meeting, May 2012, Orlando, Florida
30. "Elevated Biomarkers of Cartilage Catabolism and Inflammation in Athletes with FAI", International Society for Hip Arthroscopy 2012 Meeting, September 2012, Boston, Massachusetts
31. "Peri Trochanteric Space: Tips for Arthroscopy", International Society for Hip Arthroscopy 2012 Meeting, September 2012, Boston, Massachusetts
32. "Ulnar Collateral Ligament Injuries in Throwing Athletes", Carl E. Badgely Lectureship, October 2012, Ann Arbor, Michigan
33. "The Management of Femoroacetabular Impingement and Hip Pain", Michigan Orthopaedic Society Fall Program, October 2012, Plymouth, Michigan
34. "The Evaluation and Management of Throwing Injuries in Adolescents", The 16th Annual Frederick J. Fischer Lectureship, University of Michigan, February 2013, Ann Arbor, Michigan

35. "Hip Impingement and Labral Tears: What We Know and What We Don't", Clinical Research Series in Musculoskeletal Medicine, Departments of Orthopaedic Surgery and Epidemiology, University of Michigan, February 2013, Ann Arbor, Michigan
36. Instructional Course: "Emerging Concepts for Intra- and Extra- Articular Hip Impingement: Specific Techniques and Limits of Hip Arthroscopy", Arthroscopy Association of North America 2013 Annual Meeting, April 2013, San Antonio, Texas
37. "Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes", Arthroscopy Association of North America 2013 Annual Meeting, April 2013, San Antonio, Texas
38. Clinical Panel, "Hip Arthroscopy: Where are We Now?", Arthroscopy Association of North America 2013 Annual Meeting, April 2013, San Antonio, Texas
39. Instructional Course Lecture, "Beyond Conventional FAI: Subspinous Impingement and the Role of Femoral Version", Arthroscopy Association of North America 2013 Annual Meeting, April 2013, San Antonio, Texas
40. Instructional Course Lecture: "Anterior Shoulder Instability: Arthroscopic Approaches in 2013", Arthroscopy Association of North America 2013 Annual Meeting, April 2013, San Antonio, Texas
41. "Transtibial vs. Far Anteromedial Portal vs. Outside-In Technique for Femoral Tunnel Drilling in ACL Reconstructions: Why do you Prefer the Technique?", 9th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress 2013, May 2013, Toronto, Ontario, Canada
42. "Soft Tissue Management in Arthroscopic Hip Preservation: What do we do with the Capsule and Labrum in 2013 and Does it Matter for my Patient?", 9th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress 2013, May 2013, Toronto, Ontario, Canada
43. "Inhibition of 5-lox to reduce fatty degeneration and enhance tendon healing after rotator cuff repair", Michigan Orthopaedic Society Annual Meeting, June 2013, Mackinac Island, Michigan
44. "Revision ACL Reconstruction: A Case-Based Approach", Instructional Course Lecture, American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
45. "Instructional Course Lecture Sports Hip Injuries: Assessment and Management", American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
46. "Biological Augmentation of Tendon-Bone Healing: Where are We Now?", American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
47. "Challenging Adolescent Sports Injuries: A Case-Based Approach", American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
48. "Hip Arthroscopy: To the Cutting Edge Without Falling Off", Symposia, American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
49. Instructional Course Lecture, "Sports Medicine Review Course: Sports Hip and Elbow", American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
50. Instructional Course Lecture, "Athletic Hip Injuries: Scope or Stay Away?", American Orthopaedic Society for Sports Medicine 2013 Annual Meeting, July 2013, Chicago, Illinois
51. "Limited Femoral Internal Axial Rotation Increases ACL Strain During a Cadaver-Simulated Pivot Landing", 37th Annual Meeting of the American Society of Biomechanics, September 2013, Omaha, Nebraska
52. "Correction of the Deformity in Butterfly Ice Hockey Goalies with Symptomatic Impingement", International Society for Hip Arthroscopy, October 2013, Munich, Germany
53. "A Novel Method for Defining Normal Acetabular Coverage: A CT-Based Study of Asymptomatic Hips and Correlations with Conventional Radiographic Measures of Acetabular Deformity", International Society for Hip Arthroscopy, October 2013, Munich, Germany
54. "Anterior Inferior Iliac Spine and Hip Abnormalities in High-Level Soccer Players: A 3-Dimensional CT Analysis", International Society for Hip Arthroscopy, October 2013, Munich, Germany
55. "Validation of Computer-Assisted Dynamic Simulation for Treatment of Symptomatic Femoroacetabular Impingement", International Society for Hip Arthroscopy, October 2013, Munich, Germany
56. "A Correlation of Fluoroscopic Images with Three-Dimensional CT Imaging to Identify and Treat Entire CAM Lesion", International Society for Hip Arthroscopy Annual Meeting, October 2013, Munich, Germany
57. "The Characterization of Symptomatic Hip Impingement in Butterfly Ice Hockey Goalies", International Society for Hip Arthroscopy, October 2013, Munich, Germany

58. "Rotational Alignment of the Knee is Different in Osteological Specimens with and without a Cam Deformity of the Proximal Femur", International Society for Hip Arthroscopy, October 2013, Munich, Germany
59. "The Influence of Pelvic Tilt on Common Acetabular Parameter and Range of Motion in Patients with Femoroacetabular Impingement (FAI)", International Society for Hip Arthroscopy Annual Meeting, October 2013, Munich, Germany
60. "Anatomic Footprint of the Direct Head of the Rectus Femoris Origin: Cadaveric Study and Clinical Series of Hips after Arthroscopic AHS/Subspine Decompression", International Society for Hip Arthroscopy Annual Meeting, October 2013, Munich, Germany
61. "Changes in Muscle Fiber Function and Architecture in Patients with Chronic Rotator Cuff Tears", American Shoulder and Elbow Surgeons 2013 Closed Meeting, October 2013, Las Vegas, Nevada
62. "Inhibition of 5-Lox, Cox-1 and Cox-2 Increases Tendon Healing and Reduces Muscle Inflammation after Rotator Cuff Repair", American Shoulder and Elbow Surgeons 2013 Closed Meeting, October 2013, Las Vegas, Nevada
63. "Hip Preservation and Hip Impingement Surgery", 52nd Annual Carl E. Badgley Day, University of Michigan, October 2013, Ann Arbor, Michigan
64. "An Assessment of Hip Kinematics Before and After Surgical Correction for Femoroacetabular Impingement (FAI)", University of Bern, Bernese Hip Symposium, February 2014, Bern, Switzerland
65. "Dynamic Analysis After Hip Impingement Surgery Biomarkers for Hip Preservation Surgery", Bernese Hip Symposium, February 2014, Bern, Switzerland
66. "Role of Arthroscopy in Developmental Hip Dysplasia", Bernese Hip Symposium, February 2014, Bern, Switzerland
67. "A Prospective Follow Up of Patients Treated Surgically or Non-Surgically for Full-thickness Rotator Cuff Tears", 79th American Academy of Orthopaedic Surgeons Annual Meeting, Game Changers Special Session, March 2014, New Orleans, Louisiana
68. "The Effect of Granulocyte Colony Stimulating Factor on Rat Rotator Cuff Healing following Acute Injury and Repair", 79th American Academy of Orthopaedic Surgeons Annual Meeting, March 2014, New Orleans, Louisiana
69. 2-Hour Instructional Course Hip Arthroscopy: "Fundamental Techniques and Foundational Skills", 79th American Academy of Orthopaedic Surgeons Annual Meeting, March 2014, New Orleans, Louisiana
70. "Validation of a Computer-Assisted Dynamic Simulation for Treatment of Symptomatic Femoroacetabular Impingement", 79th American Academy of Orthopaedic Surgeons Annual Meeting, March 2014, New Orleans, Louisiana
71. 2-Hour Instructional Course, "Challenging Adolescent Sports Injuries: Case Based Approach", 79th American Academy of Orthopaedic Surgeons Annual Meeting, March 2014, New Orleans, Louisiana
72. 3-Hour Instructional Course, Sports Medicine Review Course, Moderator, 79th American Academy of Orthopaedic Surgeons Annual Meeting, March 2014, New Orleans, Louisiana
73. "Hip Joint Preservation Pearls and Controversies: State of the Art 2014", 79th American Academy of Orthopaedic Surgeons Annual Meeting, March 2014, New Orleans, Louisiana
74. "Femoral and Combined Anteversion is Not Predictive of Outcome After Arthroscopic Treatment of FAI", 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, March 2014, New Orleans, Louisiana
75. "Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes", American Orthopaedic Society for Sports Medicine 2014 Specialty Day, March 2014, New Orleans, Louisiana
76. "Changes in Muscle Fiber Function and Architecture in Patients with Chronic Rotator Cuff Tears" Charles S. Neer Award winner, American Shoulder and Elbow Surgeons 2014 Specialty Day, March 2014, New Orleans, Louisiana
77. "T-lymphocytes Are Not Required For The Development Of Fatty Infiltration Following Rotator Cuff Tear", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana
78. "Demographic Factors Related To WORC Scores In Surgical Vs. Non-surgical RCT Patients", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana
79. "Utilization of 3-D Tissue Engineered Constructs to Improve Tendon-Bone Healing Following Rotator Cuff Repair", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana

80. "Inhibition of 5-LOX, COX-1 and COX-2 Increases Tendon Healing and Reduces Muscle Inflammation after Rotator Cuff Repair", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana
81. "The Protective Effects of Simvastatin on Muscle in a Rat Model of Chronic Rotator Cuff Injury", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana
82. "The Effect Of Granulocyte Colony Stimulating Factor (G-CSF) On Rat Rotator Cuff Healing Following Acute Injury And Repair: Biomechanics, Histology, And MRI", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana
83. "Damage To The Plasma Membrane Of Rotator Cuff Muscle Fibers Following Surgical Repair", 60th Annual Meeting of the Orthopaedic Research Society, March 2014, New Orleans, Louisiana
84. "Intraoperative Fluoroscopic Imaging to Accurately Treat Cam Deformities: Correlation with 3D Computed Tomography", Arthroscopy Association of North America Annual Meeting, May 2014, Hollywood, Florida
85. "Arthroscopic Management of Hip Labral Pathology and Impingement: 2014", Instructional Course Lecture, Arthroscopy Association of North America 33rd Annual Meeting, May 2014, Hollywood, Florida
86. "New Strategies for Treating Less Common Conditions of the Hip: Arthroscopic Management of Bursitis, Abductor Tears and Hamstring Tears", Instructional Course Lecture, Arthroscopy Association of North America 33rd Annual Meeting, May 2014, Hollywood, Florida
87. Clinical Case Panel #5: "Cam, Pincer or Both – What to do with a High Level Athlete and Hip Pain in 2014?", Arthroscopy Association of North America 33rd Annual Meeting, May 2014, Hollywood, Florida
88. Scientific Session VIII: Hip Impingement, Moderator, Arthroscopy Association of North America 33rd Annual Meeting, May 2014, Hollywood, Florida
89. Clinical Case Panel #4: "Hip Arthroscopy: What to Do for Impingement and Labral Tears in 2014?", Arthroscopy Association of North America 33rd Annual Meeting, May 2014, Hollywood, Florida
90. "Validation of A Computer-Assisted Dynamic Simulation For Treatment of Femoroacetabular Impingement (FAI)", Arthroscopy Association of North America Annual Meeting, May 2014, Hollywood, Florida
91. "Defining Normal Acetabular Coverage: A CT-Based Study of Asymptomatic Hips and Correlation with Conventional Radiographic Measures of Acetabular Deformity", Arthroscopy Association of North America Annual Meeting, May 2014, Hollywood, Florida
92. "Labral Reconstruction with ITB Autograft Normalizes Hip Contact Pressure after Antero-superior Labral Resection: An In-vitro Biomechanical Analysis SS-44", Arthroscopy Association of North America 33rd Annual Meeting, May 2014, Hollywood, Florida
93. "Hip Accelerations and Femoroacetabular Impingement (FAI) Morphology in Ice Hockey Goaltenders", 7th World Congress of Biomechanics, July 2014, Boston, Massachusetts
94. "Understanding the Elements of a Pre-Surgical Plan and its Importance to a Hip Labral Repair and Femoroacetabular Impingement (FAI)", American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington
95. "Does Limited Internal Femoral Rotation Increase Peak Anterior Cruciate Ligament Strain During a Simulated Pivot Landing?" Cabaud Memorial Award winner., American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington
96. "Why Hip Scopes Fail and What Can I Do to Prevent It?", American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington
97. "Surgical versus Non-surgical Management of Rotator Cuff Tears: Predictors of Treatment Allocation", American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington
98. "A Prospective Cohort Study of Patients Treated Surgically or Non-Surgically", paper 37, American Orthopaedic Society for Sports Medicine Annual Meeting, July 2014, Seattle, Washington
99. "Mechanical Etiology of Femoroacetabular Impingement (FAI) in Ice Hockey Goaltenders", Proceedings of XIII International Symposium on 3D Analysis of Human Movement, July 2014, Lausanne, Switzerland
100. "An Update of Hip Preservation Surgery in 2014", Notre Dame Orthopaedic Symposium, September 2014, South Bend, Indiana
101. "Considerations for Recurrent Shoulder Instability", 52nd Annual Carl E. Badgley Lectureship, September 2014, Ann Arbor, Michigan
102. "Open and Arthroscopic RX of Hip Deformities", 44th Annual Advances in Arthroplasty Course Managing the Key Challenges of Innovation: Introduction, Evaluation and Failure, October 2014, Cambridge, Massachusetts

103. Keynote Session Moderator, 44th Annual Advances in Arthroplasty Course Managing the Key Challenges of Innovation: Introduction, Evaluation and Failure, October 2014, Cambridge, Massachusetts
104. "3D Imaging of the Hip: A Dynamic Assessment", 44th Annual Advances in Arthroplasty Course Managing the Key Challenges of Innovation: Introduction, Evaluation and Failure Hyatt Regency Hotel, Cambridge, MA, October 2014, Cambridge, Massachusetts
105. "Advanced Computer Technology in Hip Arthroscopy Planning", Advanced Management of the Young Hip: Arthroscopy to Arthroplasty, VuMedi Management Webinar, October 2014, Ann Arbor, Michigan
106. "Evaluation and Physical Examination of the Knee", University of Michigan, M4 MSK Anatomy Course, March 2015, Ann Arbor, Michigan
107. ICL: "Adolescent Hip Pain: A Frequent Complaint", American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
108. "Supine Versus Standing Pelvic Radiographs: Analysis of Acetabular Morphology and Range of Motion to Impingement", Paper 849, American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
109. "A Comparison of Open and Endoscopic Repair of Tears of the Gluteus Medius Tendon at a Minimum of Two Years Follow Up", Paper 847, American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
110. ICL: "Pitfalls in the Operative Management of Common Shoulder Problems: How to Avoid and What To Do When They Occur", American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
111. "Outcomes of Hip Arthroscopy in Borderline Dysplasia: A Comparison to a Matched Cohort of Patients with FAI", Paper 433, American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
112. "Limited Vessel Damage Does Not Compromise Femoral Head Perfusion at Hip Arthroscopy - Can the Safe Zone be Extended?" Paper 424, American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
113. "Reasons for Failure in FAI Surgery", American Academy of Orthopaedic Surgery Annual Meeting, March 2015, Las Vegas, Nevada
114. "Does Smoking Affect Treatment Allocation and Outcomes in Patients with Rotator Cuff Tears?" PAPER: 364, American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
115. "Patterns of Strain and the Determination of the Safe Arc of Motion after Subscapularis Repair", Paper 363, American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
116. "Cuff Repairs - Can We Really Get Them to Heal? Yes, with Biologic Augmentation", American Academy of Orthopaedic Surgeons Annual Meeting, March 2015, Las Vegas, Nevada
117. "Factors Related to Improved Quality of Life in Operative and Non-Operative RCT Patients." Poster presentation, Orthopaedic Research Society (ORS) conference, March 2015, Las Vegas, Nevada
118. "Minimally important differences for the WORC and ASES in patients treated surgically and non-surgically for full thickness rotator cuff tears", Orthopaedic Research Society (ORS) Annual Meeting, March 2015, Las Vegas, Nevada
119. "A Prospective Cohort Study Of Patients Treated Surgically Or Non-Surgically For Full-Thickness Rotator Cuff Tears." Platform presentation, ASES Open Meeting/Specialty Day Program, March 2015, Las Vegas, Nevada.
120. "Factors Related to Improved Quality of Life in Operative and Non-Operative RCT Patients." Poster presentation, 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), June 2015, Lyon, France
121. "A Prospective Cohort Study of Patients Treated Surgically or Non-Surgically for Full-Thickness Arthroscopy", 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), June 2015, Lyon, France
122. "Minimally Important Differences for the WORC and ASES in Patients Treated Surgically and Non-Surgically for Full Thickness Rotator Cuff Tears." Poster presentation, 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), June 2015, Lyon, France
123. "Does Smoking Affect Treatment Allocation and Outcomes in Patients with Rotator Cuff Tears?" Poster presentation, 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), June 2015, Lyon, France

124. "Factors Related to Improved Quality of ILfe in Operative and Non-Operative RCT Patients." Poster presentation, American Orthopaedic Society for Sports Medicine Annual Meeting, July 2015, Orlando, Florida
125. "Pelvic Incidence Plays a Role in Pelvic Mobility & Acetabular Version in Patients with Femoroacetabular Impingement", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
126. "Myotendinous Injuries: Adductor and Hamstring Strains", American Academy of Orthopaedic Surgeons, March 2016, Orlando, Florida
127. "Insurance Status Affects Postoperative Morbidity and Complication Rate after Shoulder Arthroplasty", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
128. Instructional Course - "Athletic Hip Injuries: Presentation, Evaluation, and Return to Play Topic: Femoroacetabular Impingement", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
129. "Do Statin Medications Affect Clinical Outcomes in Patients with Rotator Cuff Tears?", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
130. "Is Three-Dimensional Imaging Better than Plain Radiographs for Defining Pincer FAI Subtypes?", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando Florida
131. "Adolescent Hip Pain: A Frequent Complaint Topic", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
132. "How I use Basic Science Data to Influence My Treatment of Rotator Cuff", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
133. ASES 2016 Specialty Day Session1: Basic Science Moderator, American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
134. "Reduction of Lipid Accumulation and Fibrosis after Rotator Cuff Repair", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
135. "The Athletic Hip: From Impingement to Arthroscopy Topic: FAI & Athletes: Arthroscopy", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
136. Instructional Course - "Pitfalls in the Operative Management of Common Shoulder Problems: How to Avoid and What to do When They Occur Topic: Pitfalls in the Management of AC Joint Injuries", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
137. "Sex and Sports: Caring for the Female Athlete in 2016 Topic: FAI (Part II-Gender-specifics in preop planning and intraop management)", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
138. "Femoroacetabular Impingement: Current understanding of Pathomechanics, Disease Staging, Relationship to Osteoarthritis and Contemporary Treatment", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
139. "What is Platelet Rich Plasma (PRP) Really Doing to Tendon Fibroblasts?", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
140. "Adjustable Loop ACL Reconstruction Device: The Value of Re-tensioning and Knot Tying", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
141. Instructional Course "Hip Preservation Surgery: How to Avoid and Treat Complications and Failures Topic: Hip Arthroscopy: Indications and Avoiding and Treating Complications/Failures", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
142. "Restricted Hip Rotation is an Independent Risk Factor for ACL Injury", American Academy of Orthopaedic Surgeons Annual Meeting, March 2016, Orlando, Florida
143. "Characterizing Radiographic Hip Anatomy and Relationship to Hip Range of Motion and Symptoms in National Hockey League (NHL) Players", AOSSM 2016 Specialty Day, March 2016, Orlando, Florida
144. "How I Use Basic Science Data to Determine Post-Op Rehab? In Favor of Prolonged Post-Operative Immobilization", ASES 2016 Specialty Day, March 2016, Orlando, Florida
145. "Pharmacological Inhibition of Myostatin Protects Against Atrophy And Weakness After ACL Tear", Orthopaedic Research Society (ORS) 2016 Annual Meeting, March 2016, Orlando, Florida
146. "Platelet Rich Plasma Activates Pro-inflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblasts", Orthopaedic Research Society (ORS) 2016 Annual Meeting, March 2016, Orlando, Florida

147. "A Comparison of Rehabilitation Strategies in the Non-Operative Management of Symptomatic Rotator Cuff Tears", Orthopaedic Research Society (ORS) 2016 Annual Meeting, March 2016, Orlando, Florida
148. "Factors Affecting Return to Baseline Function at 6 Months Following Anterior Shoulder Instability Surgery": A Multi-Center Orthopaedic Outcomes Network (MOON) Shoulder Group Cohort Study. ICSES 2016., The 13th International Congress of Shoulder and Elbow Surgery (ICSES), May 2016, Jeju, Korea
149. "Tendon Healing, Superior Capsular Reconstruction, and the Role of PRP and Other Biologic Factors", San Diego Shoulder Institute's 33rd Annual Course: Arthroscopy, Arthroplasty, and Fractures, June 2016, San Diego, California
150. "The Scientific Basis for Tendon Healing", San Diego Shoulder Institute's 33rd Annual Course: Arthroscopy, Arthroplasty, and Fractures, June 2016, San Diego, California
151. "The Role of PRP, and Other Biological Factors", San Diego Shoulder Institute's 33rd Annual Course: Arthroscopy, Arthroplasty, and Fractures, June 2016, San Diego, California
152. "Evidence for Latarjet", The 3rd Annual Codman Shoulder Society Meeting, June 2016, San Diego, California
153. "Muscle Recovery After ACL Reconstruction: Glass Ceiling?", Herodicus Society Annual Meeting, July 2016, Colorado Springs, Colorado
154. UCL Repair and Augmentation with Collagen-coated Tape: Minimum 1 Year Follow Up; Moderator, Herodicus Society Annual Meeting, July 2016, Colorado Springs, Colorado
155. IC108 "Case-Based Management of PCL Injuries: A Case-Based Approach", American Orthopaedic Society for Sports Medicine Annual Meeting 2016, July 2016, Colorado Springs, Colorado
156. IC206 "Case-Based Strategies to Diagnose and Address Rotational Laxity of the Knee: A Case-Based Approach", American Orthopaedic Society for Sports Medicine Annual Meeting 2016, July 2016, Colorado Springs, Colorado
157. Hip Arthroscopy Outcomes; Moderator, American Orthopaedic Society for Sports Medicine Annual Meeting 2016, July 2016, Colorado Springs, Colorado
158. "Management of Large Rotator Cuff Tears in Non-Arthritic Patients", American Orthopaedic Society for Sports Medicine Annual Meeting 2016, July 2016, Colorado Springs, Colorado
159. "Platelet Rich Plasma Activates Pro-Inflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblasts." Cabaud Award Winner, American Orthopaedic Society for Sports Medicine Annual Meeting 2016, July 2016, Colorado Springs, Colorado
160. "Pharmacological Inhibition of Myostatin Protects Against Atrophy and Weakness after ACL", American Orthopaedic Society for Sports Medicine Annual Meeting 2016, July 2016, Colorado Springs, Colorado
161. "Insurance Status Affects Postoperative Morbidity and Complication Rate After Shoulder Arthroplasty." Podium Presentation., Western Orthopaedic Association (WOA) 80th Annual Meeting, September 2016, Indian Wells, California
162. "Insurance Status Affects Postoperative Morbidity and Complication Rate After Shoulder Arthroplasty." Poster Presentation, Eastern Orthopaedic Association (EOA) 47th Annual Meeting, October 2016, New Orleans, Louisiana
163. 2016 Fall Course Faculty, Arthroscopy Association of North America, November 2016, Las Vegas, Nevada
164. Case Presentations and Audience Questions panel member, Arthroscopy Association of North America, November 2016, Las Vegas, Nevada
165. Scapular Pathology and Arthritis session speaker "Single or Double Row? What is the Current Evidence?", Arthroscopy Association of North America, November 2016, Las Vegas, Nevada
166. Shoulder Symposium Chair, Arthroscopy Association of North America, November 2016, Las Vegas, Nevada
167. "When and How Should I do Latarjet?", American Arthroscopy of North America, November 2016, Las Vegas, Nevada
168. Revision Hip Arthroscopy session speaker "Pearls for Success", Arthroscopy Association of North America, November 2016, Las Vegas, Nevada
169. "Is There a Role for Arthroscopy in Hip Dysplasia?", American Association of Hip and Knee Surgeons, November 2016, Dallas, Texas
170. "Labral Treatment 2017: Includes Anchor Size, Technique, Influence on Labral Function", AO North America, January 2017, Marco Island, Florida

171. Joint Preservation discussion moderator, AO North America, January 2017, Marco Island, Florida
172. "CT Based Collision Models: Can We Rely on Them?", AO North America, January 2017, Marco Island, Florida
173. "Biologics Case Discussion and Presentation", Council on Sports Medicine, January 2017, Palm Beach, Florida
174. "Adolescent Hip Pain: A Frequent Complaint", AAOS, March 2017, San Diego, California
175. "Primary Anterior Cruciate Ligament Reconstruction", AAOS Annual Meeting, March 2017, San Diego, California
176. "The Characterization and Correction of Symptomatic Hip Impingement in American Football Linemen", NFLPS - Detroit Lions, May 2017, Boston, Massachusetts
177. "Understanding Hip Dysplasia: Evolving Disease Concepts and Treatment Innovations", American Association of Orthopaedic Surgeons, March 2018, New Orleans, Louisiana
178. "Adolescent Hip Pain: A Case-Based Approach to Common Causes", American Association for Orthopaedic Surgeons, March 2018, New Orleans, Louisiana
179. "Primary Anterior Cruciate Ligament Reconstruction (ACL-R), Getting it Right the First Time", American Association of Orthopaedic Surgeons, March 2018, New Orleans, Louisiana
180. "Complex Shoulder Arthroplasty: Primary and Revision, Anatomic and Reverse, Three Dimensional Planning When and How" MODERATOR, American Association for Orthopaedic Surgeons, March 2018, New Orleans, Louisiana
181. "Massive, Irreparable Rotator Cuff Tears: What are Our Treatment Options", American Association for Orthopaedic Surgeons, March 2018, New Orleans, Louisiana
182. "Medial Portal ACL How to Get This Right- All by Tricks", Arthroscopy Association of North America, Specialty Day, March 2018, New Orleans, Louisiana
183. "Biologics to Treat UCL Insufficiency", American Shoulder and Elbow Surgeons, Specialty Day, March 2018, New Orleans, Louisiana
184. Hip Preservation Surgery in 2019, Cleveland Clinic, Heritage Lecture, February 2019, Cleveland, OH
185. Massive Rotator Cuff Tear: A Review of Options, Cleveland Clinic, Heritage Lecture, February 2019, Cleveland, OH
186. "Hip Preservation: What Every Orthopaedic Provider Needs to Know", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
187. Arthrex Innovations: "Emerging Techniques in Treating Complex Knee Pathology", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
188. "Adolescent Hip Pain: A Case-Based Approach to Common Causes", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
189. "Techniques for ACL Repair and Reconstruction Success", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
190. MODERATOR: "Dilemmas for the Team Physician: Return-to-Play and the Management of In-Season Injuries", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
191. "Primary Anterior Cruciate Ligament Reconstruction (ACL-R): Getting it Right the First Time", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
192. MODERATOR: "Instability Case-Based Learning: 22-Year-Old with Sub-Critical Bone Defect and Recurrent Instability After Arthroscopic Stabilization", American Academy of Orthopaedic Surgeons Annual Meeting, ASES Specialty Day, March 2019, Las Vegas, Nevada
193. MODERATOR: "Complex Shoulder Arthroplasty: Primary and Revision, Anatomic and Reverse, Three-Dimensional Planning- When and How?", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
194. PANEL: "The Case: I Did an ACLR Two Years Ago, but Now has Recurrent Instability after Stepping Off a Curb", American Academy of Orthopaedic Surgeons Annual Meeting, AOSSM Specialty Day, March 2019, Las Vegas, Nevada
195. "Medial Portal ACL Reconstruction- Easy and Reproducible", American Academy of Orthopaedic Surgeons Annual Meeting, AOSSM Specialty Day, March 2019, Las Vegas, Nevada
196. MODERATOR: "What to Do When it is Anterior Cruciate Ligament Number Two", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada

197. Mini-Review of Sports Medicine Lower Extremity, American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
198. "Undertanding Hip Dysplasia: Evolving Disease Concepts and Treatment Innovations", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
199. "Massive, Irreparable Rotator Cuff Tears: What are Our Treatment Options?", American Academy of Orthopaedic Surgeons Annual Meeting, March 2019, Las Vegas, Nevada
200. "An MCHAMP Update on Sports Medicine", Michigan State Medical Society, October 2020, Virtual

Patents

Application in Process

Asheesh Bedi, Christopher M. Larson, JW Thomas Byrd, Bryan T. Kelly, Co-inventor, Submitted on 06/01/2013

Jordan MacDonald, Christian J. Calyore, Adrienne Alimasa, Yi-Ting Lee, Nandini Ravi, Asheesh Bedi, Inventor, Submitted on 08/01/2013

Zachary S. Cople and Asheesh Bedi, Inventor, Submitted on 03/25/2016

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Peer-Reviewed Journals and Publications

1. Ravi R, **Bedi A**, Fuchs EJ, CD95 (Fas)-induced caspase-mediated proteolysis of NF-kappaB Cancer Res March 1 1998; 58(5): 882-6, 03/1998.
2. Harris GJ, Codori AM, Lewis RF, Schmidt E, **Bedi A**, Brandt J.: Reduced basa ganglia blood flow and volume in pre-symptomatic, gene-tested person at-risk for Huntington's disease Brain Sept 1999: 1667-78, 09/1999.
3. Henke PK, Proctor MC, Zajkowski PJ, **Bedi A**, Upchurch GR, Wakefield TW, Jacobs LA, Greenfield LJ, Stanley JC: Tissue loss, early primary graft occlusion, female gender, and a prohibitive failure rate of secondary infrainguinal arterial reconstruction. J. Vasc. Surg. 35(5): 902-908, 05/2002. PM12021705
4. Eagleton MJ, Henke PK, Luke CE, Hawley AE, **Bedi A**, Knipp BS, Wakefield TW, Greenfield LJ: Southern Association for Vascular Surgery William J. von Leibig Award. Inflammation and intimal hyperplasia associated with experimental pulmonary embolism. J. Vasc. Surg. 36(3): 581-588, 09/2002. PM12218985
5. Ailawadi G, Yahanda A, Dimick JB, **Bedi A**, Mulholland MW, Colletti L, Sweeney JF: Hand-assisted laparoscopic splenectomy in patients with splenomegaly or prior upper abdominal operation Surgery 132 (4): 689-696, 10/2002. PM12407354
6. Ailawadi G, **Bedi A**, Williams DM, Stanley JC, Upchurch GR: Endovascular treatment of aortic aneurysms in patients with renal transplants. J. Vasc. Surg. 37(3): 693-696, 03/2003. PM12618715
7. **Bedi A**, Toan Le T: Subtrochanteric femur fractures. Orthop. Clin. North Am. 35(4 SPEC. ISS.): 473-483, 10/2004. PM15363922
8. Karunakar MA, Goulet JA, Mueller KL, **Bedi A**, Le TT: Operative treatment of unstable pediatric pelvis and acetabular fractures. J Pediatr Orthop 25(1): 34-38, 01/2005. PM15614056
9. **Bedi A**, Miller B, Jebson PJ: Combined glenohumeral arthrodesis and above-elbow amputation for the flail limb following a complete posttraumatic brachial plexus injury. Tech Hand Up Extrem Surg 9(2): 113-119, 06/2005. PM16201253
10. Martus JE, **Bedi A**, Jebson PJL.: Cannulated variable pitch compression screw fixation of scaphoid fractures using a limited dorsal approach. Tech Hand Up Extrem Surg 9(4): 202-206, 12/2005. PM16340581
11. **Bedi A**, Karunakar MA: Physiologic effects of intramedullary reaming. Instr Course Lect 55: 359-366, 01/2006. PM16958471
12. **Bedi A**, Le TT, Karunakar MA: Surgical treatment of nonarticular distal tibia fractures. J Am Acad Orthop Surg 14(7): 406-416, 07/2006. PM16822888
13. **Bedi A**, Jebson PJL, Hayden RJ, Jacobson JA, Martus JE: Internal fixation of acute, nondisplaced scaphoid waist fractures via a limited dorsal approach: an assessment of radiographic and functional outcomes. J Hand Surg Am 32(3): 326-333, 03/2007. PM17336838

14. Vallier HA, Le TT, **Bedi A.**: Radiographic and clinical comparisons of distal tibia shaft fractures (4 to 11 cm proximal to the plafond): plating versus intramedullary nailing. *J Orthop Trauma* 22(5): 307-311, 05/2008. PM18448983
15. **Bedi A**, Srinivasan RC, Blakemore LC, Graziano GP: L2 chordoma in an 11-year-old girl. *Am J Orthop*. 37(7): E121-125, 07/2008. PM18795189
16. **Bedi A**, Chen N, Robertson W, Kelly BT: The management of labral tears and femoroacetabular impingement of the hip in the young, active patient. *Arthroscopy* 24(10): 1135-1145, 10/2008. PM19028166
17. **Bedi A**, Allen AA: Superior labral lesions anterior to posterior-evaluation and arthroscopic management. *Clin Sports Med* 27(4): 607-630, 10/2008. PM19064147
18. **Bedi A**, Ryu RK: The treatment of primary anterior shoulder dislocations. *Instr Course Lect* 58: 293-304, 01/2009. PM19385543
19. **Bedi A**, Kawamura S, Ying L, Rodeo SA: Differences in Tendon Graft Healing Between the Intra-articular and Extra-articular Ends of a Bone Tunnel. *HSS J* 5(1): 51-57, 02/2009. PM19052716
20. **Bedi A**, Haidukewych GJ: Management of the posttraumatic arthritic knee. *J Am Acad Orthop Surg* 17(2): 88-101, 02/2009. PM19202122
21. **Bedi A**, Rodeo SA: Os acromiale as a cause for shoulder pain in a competitive swimmer: a case report. *Sports Health* 1(2): 121-4, 03/2009. PM23015862
22. **Bedi A**, Karunakar MA, Caron T, Sanders RW, Haidukewych GJ: Accuracy of reduction of ipsilateral femoral neck and shaft fractures--an analysis of various internal fixation strategies. *J Orthop Trauma* 23(4): 249-253, 04/2009. PM19318867
23. **Bedi A**, Altchek DW: The "footprint" anterior cruciate ligament technique: an anatomic approach to anterior cruciate ligament reconstruction. *Arthroscopy* 25(10): 1128-1138, 10/2009. PM19801292
24. Fox SAJ, **Bedi A**, Rodeo SA: The basic science of articular cartilage: structure, composition, and function. *Sports Health* 1(6): 461-8, 11/2009. PM23015907
25. Stasiak M, Imhauser C, Packer J, **Bedi A**, Brophy R, Kovacevic D, Jackson K, Deng XH, Rodeo S, Torzilli P: A Novel In Vivo Joint Loading System to Investigate the Effect of Daily Mechanical Load on a Healing Anterior Cruciate Ligament Reconstruction. *Journal of medical devices* 4(1): 15003, 01/2010. PM20490267
26. **Bedi A**, Foo LF, Williams RJ 3rd, Potter HG, Cartilage Study Group: The Maturation of Synthetic Scaffolds for Osteochondral Donor Sites of the Knee: An MRI and T2-Mapping Analysis. *Cartilage* 1(1): 20-8, 01/2010. PM26069533
27. **Bedi A**, Fox AJ, Kovacevic D, Deng XH, Warren RF, Rodeo SA: Doxycycline-mediated inhibition of matrix metalloproteinases improves healing after rotator cuff repair. *Am J Sports Med* 38(2): 308-317, 02/2010. PM19826139
28. Dines JS, **Bedi A**, ElAttrache NS, Dines DM: Single-row versus double-row rotator cuff repair: techniques and outcomes. *J Am Acad Orthop Surg* 18(2): 83-93, 02/2010. PM20118325
29. Dodson CC, **Bedi A**, Sahai A, Potter HG, Cordasco FA: Complete rotator cuff tendon avulsion and glenohumeral joint incarceration in a young patient: a case report. *J Shoulder Elbow Surg* 19(2): e9-e12, 03/2010. PM19963404
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31. **Bedi A**, Raphael B, Maderazo A, Pavlov H, Williams RJ: Transtibial versus anteromedial portal drilling for anterior cruciate ligament reconstruction: a cadaveric study of femoral tunnel length and obliquity. *Arthroscopy* 26(3): 342-350, 03/2010. PM20206044
32. **Bedi A**, Kovacevic D, Hettrich C, Gulotta LV, Ehteshami JR, Warren RF, Rodeo SA: The effect of matrix metalloproteinase inhibition on tendon-to-bone healing in a rotator cuff repair model. *J Shoulder Elbow Surg* 19(3): 384-391, 04/2010. PM19800260
33. **Bedi A**, Feeley BT, Williams RJ: Management of articular cartilage defects of the knee. *J Bone Joint Surg Am* 92(4): 994-1009, 04/2010. PM20360528
34. **Bedi A**, Kelly NH, Baad M, Fox AJ, Brophy RH, Warren RF, Maher SA: Dynamic contact mechanics of the medial meniscus as a function of radial tear, repair, and partial meniscectomy. *J Bone Joint Surg Am* 92(6): 1398-1408, 06/2010. PM20516315

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36. **Bedi A**, Dines J, Warren RF, Dines DM: Massive tears of the rotator cuff. *J Bone Joint Surg Am* 92(9): 1894-1908, 08/2010. PM20686065
37. **Bedi A**, Musahl V, Lane C, Citak M, Warren RF, Pearle AD: Lateral compartment translation predicts the grade of pivot shift: a cadaveric and clinical analysis. *Knee Surg Sports Traumatol Arthrosc* 18(9): 1269-1276, 09/2010. PM20480356
38. **Bedi A**, Musahl V, O'Loughlin P, Maak T, Citak M, Dixon P, Pearle AD: A comparison of the effect of central anatomical single-bundle anterior cruciate ligament reconstruction and double-bundle anterior cruciate ligament reconstruction on pivot-shift kinematics. *Am J Sports Med* 38(9): 1788-94, 09/2010. PM20566720/20566720
39. **Bedi A**, Ryu RK: Revision arthroscopic Bankart repair. *Sports Med Arthrosc* 18(3): 130-139, 09/2010. PM20711044
40. **Bedi A**, Fox AJ, Harris PE, Deng XH, Ying L, Warren RF, Rodeo SA: Diabetes mellitus impairs tendon-bone healing after rotator cuff repair. *J Shoulder Elbow Surg* 19(7): 978-988, 10/2010. PM20303293
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57. Knesek M, Sibilsky Enselman ER, Coale R, Morag Y, Dines J, Miller BS, Mendias CL, **Bedi A**: Persistent Bicipital Groove Pain After Tenotomy: Is a Retained Long Head Tendon the Source of Pain? Poster 296, American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, Illinois, 01/01/2013.
58. **Bedi A**, Maak TG, Delos D, McCarthy MM, Shubin Stine BE, Arendt EA, Altchedk DW, Dines J: Sports Medicine/Arthroscopy Scientific Exhibit: An Algorithmic Approach to the Management of Recurrent Lateral Patellar Dislocation, American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, Illinois, 01/01/2013.
59. Li X, Ma RR, **Bedi A**, Dines DM, Altcheck DW, Dines J: Sports Medicine/Arthroscopy Scientific Exhibit: Management of Acromioclavicular Injuries: A Review of Current Concepts, Outcomes, and Surgical Technique, American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, Illinois, 01/01/2013.
60. **Bedi A**, Roche SM, Lynch EB, Davis ME, Sibilsky Enselman ER, Clafflin DR: Changes in Muscle Fiber Function and Architecture in Patients with Chronic Rotator Cuff Tears, American Shoulder and Elbow Surgeons 2013 Closed Meeting, 01/01/2013.
61. Oak N, Gumucio J, Davis M, Lynch EB, Roache SM, Mendias CL, **Bedi A**: Inhibition of 5-Lox, Cox-1 and Cox-2 Increases Tendon Healing and Reduces Muscle Inflammation After Rotator Cuff Repair, American Shoulder and Elbow Surgeons 2013 Closed Meeting, Las Vegas, Nevada, 01/01/2013.
62. Ross JR, **Bedi A**, Leunig ML, Kelly BT, Larson CM: A Correlation of Fluoroscopic Images with Three Dimensional CT Imaging to Identify and Treat the Entire Cam Lesion, International Society for Hip Arthroscopy Annual Meeting, Munich, Germany, 01/01/2013.
63. Ross JR, **Bedi A**, Larson CM, Kelly BT: The Characterization of Symptomatic Hip Impingement in Butterfly Ice Hockey Goalies, poster 84, International Society for Hip Arthroscopy Annual Meeting, Munich, Germany, 01/01/2013.
64. Ross JR, **Bedi A**, Nepple J, Larson CM, Kelly BT: The Influence of Pelvic Tilt on Common Acetabular Parameters and Range of Motion in Patients with Femoroacetabular Impingement (FAI), oral presentation, International Society for Hip Arthroscopy Annual Meeting, Munich Germany, 01/01/2013.
65. Adeoyo O, **Bedi A**, Magennis E, Kelly BT: Validation of Computer-Assisted Dynamic Simulation for Treatment of Symptomatic Femoroacetabular Impingement, poster # 33, International Society for Hip Arthroscopy Annual Meeting, Munich, Germany, 01/01/2013.
66. Hapa O, Gursan O, **Bedi A**, Akar MS, Guvencer M, Havtıciglu H, Larson CM: Anatomic Footprint of the Direct Head of the Rectus Femoris Origin: Cadaveric Study and Clinical Series of Hips after Arthroscopic AILS/Subspine Decompression, International Society for Hip Arthroscopy Annual Scientific Meeting 2013, Munich, Germany, 01/01/2013.

67. Ross J, **Bedi A**: Correction of the Deformity in Butterfly Ice Hockey Goalies with Symptomatic Impingement. Poster Presentation, International Society for Hip Arthroscopy Annual Scientific Meeting 2013, Munich, Germany, 01/01/2013.
68. Streit J, Gebhart J, **Bedi A**, Bush-Joseph C, Nho S, Salata M: Correlation Between Sacropelvic Parameters and Femoroacetabular Impingement in Cadaveric Specimens. Poster Presentation, International Society for Hip Arthroscopy Annual Scientific Meeting 2013, Munich, Germany, 01/01/2013.
69. Ross JR, **Bedi A**, Leunig ML, Kelly BT, Larson CM: Correlation of Fluoroscopic Images With Three-Dimensional CT Imaging To Identify and Treat the Entire Cam Lesion, International Society for Hip Arthroscopy Annual Scientific Meeting 2013, Munich, Germany, 01/01/2013.
70. Larson C, Gebhart J, **Bedi A**, Bush-Joseph C, Nho S, Salata M: Femoral Neck-Shaft Angle Differs but Femoral Ante Version Is Constant in Osteological Specimens with and Without a Cam Deformity of the Proximal Femur, International Society for Hip Arthroscopy Annual Scientific Meeting 2013, Munich, Germany, 01/01/2013.
71. Streit J, Gebhart J, **Bedi A**, Bush-Joseph C, Nho S, Salata M: Rotational Alignment of the Knee is Different in Osteological Specimens with and without a Cam Deformity of the Proximal Femur, International Society for Hip Arthroscopy Annual Scientific Meeting 2013, Munich, Germany, 01/01/2013.
72. Adeoyo O, **Bedi A**, Magennis E, Kelly BT: Anterior Inferior Iliac Spine and Hip Abnormalities in High-Level Soccer Players: A 3-Dimensional CT Analysis, International Society for Hip Arthroscopy, Munich, Germany, 01/01/2013.
73. Gumucio J, Stafford PL, Schiffman CJ, Bradley JR, Roche ST, Lynch EB, Davis ME, Harning JA, Bromley CW, Claflin DR, **Bedi A**, Mendias CL: Antagonizing PPAR γ Reduces Lipid Deposition and Fatty Macrophage Accumulation Following Rotator Cuff Tear. Poster 633, Orthopaedic Research Society 2013 Annual Meeting, San Antonio, Texas, 01/01/2013.
74. Lavagnino M, **Bedi A**, Walsh C, Sheibani-Rad S, Arnoczky SP: Cyclic Creep and Recovery in Tendon - *in vitro* and *in vivo* studies. Poster 605, Orthopaedic Research Society 2013 Annual Meeting, San Antonio, Texas, 01/01/2013.
75. Li X, Shubin Stein BE, Cordasco F, **Bedi A**, Hannafin JA, Rodeo SA, Potter HG, Torzilli P, Warren R: Enhanced Tendon to Bone Healing: An MRI and Histological Study Comparing Poly-D, L-Lactide (PLDLA) vs. Tricalcium Phosphate (TCP) Coated Interference Screws in ACL Surgery, Orthopaedic Research Society 2013 Annual Meeting, San Antonio, Texas, 01/01/2013.
76. Mendias CL, Roche ST, Lynch EV, Davis ME, Sibilsy Enselman ER, Bromley CW, Harning JA, Calve S, Jacobson JA, Claflin DR, **Bedi A**: Reduction in muscle fiber force production, disruption of myofibril architecture and accumulation of fatty macrophages in patients with chronic rotator cuff tears, Orthopaedic Research Society 2013 Annual Meeting, San Antonio, Texas, 01/01/2013.
77. Oh YK, **Bedi A**, Kelly BT, Wojtys EM, Ashton-Miller JA: Restricted Hip Internal Rotation Associated with FAI Increases ACL Strain during a Simulated Pivot Landing. Poster 0899, Orthopaedic Research Society 2013 Annual Meeting, San Antonio, Texas, 01/01/2013.
78. Davis ME, Stafford PL, Jergensen MJ, **Bedi A**, Mendias CL: "Damage To The Plasma Membrane Of Rotator Cuff Muscle Fibers Following Surgical Repair" Poster 1899, 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.
79. Gagnier J, Carpenter JE, **Bedi A**, Miller BS: "Demographic Factors Related To WORC Scores In Surgical Vs. Non-surgical RCT Patients" Poster 1896, 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.
80. Oak NR, Gumucio J, Davis ME, Lynch EB, Roche, **Bedi A**, Mendias CL: "Inhibition of 5-LOX, COX-1 and COX-2 Increases Tendon Healing and Reduces Muscle Inflammation after Rotator Cuff Repair", 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.
81. Gumucio J, Flood M, Phan A, Roche SM, Harning JA, Lynch EB, **Bedi A**, Mendias CL: "T-lymphocytes Are Not Required For The Development Of Fatty Infiltration Following Rotator Cuff Tear" Poster 1396, 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.
82. Ross D, Maerz T, Kurdziel M, Doshi S, **Bedi A**, Baker K, Anderson K: "The Effect Of Granulocyte Colony Stimulating Factor (G-CSF) On Rat Rotator Cuff Healing Following Acute Injury And Repair: Biomechanics, Histology, And MRI" Poster 1377, 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.
83. Davis ME, Gumucio J, Korn MA, **Bedi A**, Mendias CL: "The Protective Effects of Simvastatin on Muscle in a Rat Model of Chronic Rotator Cuff Injury" Poster 1006, 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.

84. Smietana MJ, Moncada-Larrotiz P, Arruda EM, **Bedi A**, Larkin LM,: "Utilization of 3-D Tissue Engineered Constructs to Improve Tendon-Bone Healing Following Rotator Cuff Repair" Poster 1382, 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 01/01/2014.
85. Larson CM, Giveans MR, **Bedi A**, Samuelson K, Stone RM:
Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes
, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
86. Ross DR, Kurdziel M, Doshi S, **Bedi A**, Baker KC, Anderson A:
The Effect of Granulocyte Colony Stimulating Factor on Rat Rotator Cuff Healing following Acute Injury and Repair
, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
87. Ross JR, **Bedi A**, Stone RM, Enselman ERS, Kelly BT, Larson CM: A Correlation of Fluoroscopic Images with Three-Dimensional CT Imaging to Identify and Treat the Entire Cam Lesion, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
88. **Bedi A**, Ross J, Kelly BT, Larson CM: A Three-Dimensional Assessment of Residual Deformity Prior to Revision Arthroscopic FAI Surgery, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
89. Fabricant PD, Fields K, Magennis E, Taylor SA, Stover, MD, **Bedi A**, Kelly BT: Femoral and Combined Anteversion is Not Predictive of Outcome After Arthroscopic Treatment of FAI, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
90. Ross J, Nepple J, Philippon MJ, Kelly BT, Larson CM, **Bedi A**: Influence of Pelvic Tilt on Acetabular Parameters and Range of Motion in Patients with Femoroacetabular Impingement, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
91. Beckmann J, Dines J, **Bedi A**, Wylie J, Holt P, William RJ, Wright RW, Aoki SK, Maak TG:
Osteochondritis Dissecans - Etiology, Presentation, Diagnosis and Management in the Skeletally Immature, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
92. Li X, ou H, Ma SR, Eichinger JK, Hartshorn TA, **Bedi A**, Dines J, Walch G: Reverse Total Shoulder Arthroplasty: A Review of Current Concepts, Surgical Techniques, and Clinical Outcomes, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
93. Streit J, Gebhart J, **Bedi A**, Bush-Joseph CA, Nho SJ, Salata M: Rotational Alignment of the Knee in Relation to Cam Deformity of the Proximal Femur, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
94. Skendzel JG, Weber A, Maak TG, Dines J, LaPrade RF, Wojtys EM, Rodeo SA, **Bedi A**: The Role of High Tibial Osteotomy and Distal Femoral Osteotomy in the Unstable and Chronic Ligament-Deficient Knee, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
95. Adeoye OO, **Bedi A**, Kelly BT: Validation of a Computer-Assisted Dynamic Simulation for Treatment of Symptomatic Femoroacetabular Impingement, 79th American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
96. Deneweth J, Whiteside D, Pomeroy S, Cowan J, Ross J, **Bedi A**, Goulet G.: Hip Accelerations and Femoroacetabular Impingement (FAI) Morphology in Ice Hockey Goaltenders, 7th World Congress of Biomechanics, Boston, Massachusetts, 01/01/2014.
97. Larson CM, Giveans R, **Bedi A**, Samuelson KM, Stone RM: Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes, AOSSM 2014 Specialty Day, New Orleans, Louisiana, 01/01/2014.
98. Davis ME, Gumucio JP, Korn MA, Mendias CL, **Bedi A**: Simvastatin Reduces Fibrosis and Protects Against Muscle Weakness after Massive Rotator Cuff Tear (paper #5), ASES 2014 Closed Meeting, Pinehurst, North Carolina, 01/01/2014.
99. Gausden E, Taylor SA, Dines JS, **Bedi A**, Chin C, Craig EV, Wickiwiex TL, Dines DM: Total Shoulder Arthroplasty for Primary Osteoarthritis Utilizing a Mini-Stem Humeral Component: Midterm Results of the First 100 Cases (paper #18), ASES 2014 Closed Meeting, Pinehurst, North Carolina, 01/01/2014.
100. Gagnier J, Oltean H, **Bedi A**, Carpenter JE, Miller BS: A Prospective Follow-up of Patients Treated Surgically or Non-Surgically for Full-thickness Rotator Cuff Tears, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, 01/01/2014.
101. Larson CM, Giveans R, **Bedi A**, Samuelson KM, Stone RM, M: Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes, American Orthopaedic Society for Sports Medicine 2014 Specialty Day, New Orleans, Louisiana, 01/01/2014.

102. Gagnier JJ, Robins C, Carpenter JE, **Bedi A**, Miller BS: A Prospective Cohort Study of Patients Treated Surgically or Non-Surgically for Full-thickness Rotator Cuff Tears, paper 37, American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, Washington, 01/01/2014.
103. Davis M, Stafford PL, Jergenson M, **Bedi A**, Mendias C: Muscle Injury Induced at the Time of Acute and Chronic Rotator Cuff Repair, poster presentation, American Orthopaedic Society for Sports Medicine Annual Meeting, Meeting Seattle, Washington, 01/01/2014.
104. Kweon C Y, Gagnier JJ, Robbins C, **Bedi A**, Carpenter JE, Miller BS: Surgical versus Non-surgical Management of Rotator Cuff Tears: Predictors of Treatment Allocation, paper 35, American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, Washington, 01/01/2014.
105. Beaulie ML, Oh YK, **Bedi A**, Ashton-Miller JA, Wojtys EM: "Does Limited Internal Femoral Rotation Increase Peak Anterior Cruciate Ligament Strain During a Simulated Pivot Landing?" Cabaud Memorial Award winner, American Orthopaedic Society for Sports Medicine, Seattle, Washington, 01/01/2014.
106. **Bedi A**, Roche SM, Lynch EB, Davis ME, Enselmann ERS, Clafin DR, Mendias CL: Changes in Muscle Fiber Function and Architecture in Patients with Chronic Rotator Cuff Tears, oral presentation, Charles S. Neer Award winner, American Shoulder and Elbow Surgeons 2014 Specialty Day, New Orleans, Louisiana, 01/01/2014.
107. McCormick F, Thomas J, Salata, **Bedi A**, Philippon MJ, Nho S: Labral Reconstruction with ITB Autograft Normalizes Hip Contact Pressure after Antero-superior Labral Resection: An In-vitro Biomechanical Analysis SS-44, Arthroscopy Association of North America 33rd Annual Meeting, Hollywood, Hollywood, Florida, May 1-3, 2014, 01/01/2014.
108. Larson C, Moreau-Gaudry A, Kelly B, Thomas Byrd, JW, Tonetti J, Lavallee S, Chabanas L, Barrier G, **Bedi A**: "Defining Normal Acetabular Coverage: A CT-Based Study of Asymptomatic Hips and Correlation with Conventional Radiographic Measures of Acetabular Deformity", Arthroscopy Association of North America Annual Meeting, 01/01/2014.
109. Ross J, **Bedi A**, Stone R, Sibilsy Enselman E, Leuning M, Kelly B, Larson C: "Intraoperative Fluoroscopic Imaging to Accurately Treat Cam Deformities: Correlation with 3D Computed Tomography", Arthroscopy Association of North America Annual Meeting, 01/01/2014.
110. **Bedi A**, Adeoye O, Ross J, Larson C, Byrd JWT, Kelly B: "Validation of A Computer-Assisted Dynamic Simulation For Treatment of Femoroacetabular Impingement (FAI)", Arthroscopy Association of North American Annual Meeting, Hollywood, Florida, 01/01/2014.
111. Whiteside D, Deneweth J, **Bedi A**, Pomeroy S, Murray M, Bancroft R, Zernicke R, Goulet G: Mechanical Etiology of Femoroacetabular Impingement (FAI) in Ice Hockey Goaltenders, Proceedings of XIII International Symposium on 3D Analysis of Human Movement, Lausanne, Switzerland, 01/01/2014.
112. Gagnier J, Robbins C, **Bedi A**, Carpenter J, Miller B: Minimally important differences for the WORC and ASES in patients treated surgically and non- surgically for full thickness rotator cuff tears. Poster presentation, 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), Lyon, France (Accepted)., 01/01/2015.
113. Landfair G, Gagnier J, Robbins C, Carpenter J, **Bedi A**, Miller B: Does smoking affect treatment allocation and outcomes in patients with rotator cuff tears Poster presentation, 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), Lyon, France, 01/01/2015.
114. Miller B, Robbins C, Carpenter J, **Bedi A**, Gagnier J: A prospective cohort study of patients treated surgically or non-surgically for full-thickness Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), 10th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), Lyon, France, 01/01/2015.
115. Miller B, Robbins C, **Bedi A**, Carpenter J, Gagnier J: A Prospective Cohort Study Of Patients Treated Surgically Or Non-Surgically For Full-Thickness Rotator Cuff Tears. Platform presentation, ASES Open Meeting/Specialty Day Program, Las Vegas, Nevada., 01/01/2015.
116. Gagnier J, Robbins C, **Bedi A**, Carpenter J, Miller B: Minimally important differences for the ASES and WORC outcome measures. Poster presentation, American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, Las Vegas, Nevada, 01/01/2015.
117. Landfair G, Robbins C, Gagnier J, Carpenter J, **Bedi A**, Miller B.: Does smoking affect treatment allocation and outcomes in patients with rotator cuff tears? Platform presentation, American Academy of Orthopaedic Surgeons (AAOS) annual conference, Las Vegas, Nevada, 01/01/2015.

118. Nawabi D, Fields K, Wentzel C, McLawhorn AS, Ranawat AS, **Bedi A**, Kelly BT: A Comparison of Open and Endoscopic Repair of Tears of the Gluteus Medius Tendon at a Minimum of Two Years Follow Up, Paper 847, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
119. Landfair G, Robbins CB, Gagnier JJ, Carpenter JE, **Bedi A**, Miller BS: Does Smoking Affect Treatment Allocation and Outcomes in Patients with Rotator Cuff Tears? PAPER: 364, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada 03/24/2015 03/28/2015, 01/01/2015.
120. Spencer-Gardner L, **Bedi A**, Stuart MJ, Ross J, Larson CM, Kelly BT, Krych AJ,: Ischiofemoral Impingement and Hamstring Dysfunction after Ischial Tuberosity Fracture: Surgical Outcomes, Poster No. P453, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
121. Nawabi D, Klinger C, Hinds RM, Sculco PK, Dewar DC, **Bedi A**, Helfet DL, Kelly BT, Lorich DG: Limited Vessel Damage Does Not Compromise Femoral Head Perfusion at Hip Arthroscopy - Can the Safe Zone be Extended? Paper 424, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
122. Gagnier JJ, Robbins CB, **Bedi A**, Carpenter JE, Miller BS: Minimally Important Differences for the ASES and WORC Outcome Measures, Poster No. P337, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
123. Nawabi D, Fields K, Wentzel C, McLawhorn AS, Sink EL, **Bedi A**, Ranawat AS, Kelly BT: Outcomes of Hip Arthroscopy in Borderline Dysplasia: A Comparison to a Matched Cohort of Patients with FAI, Paper 433, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
124. Michael Knesek M Brunfeldt A, Korenczuk C, Jepsen KJ, Robbins CB, Gagnier JJ, Allen AA, Dines J, **Bedi A**: Patterns of Strain and the Determination of the Safe Arc of Motion after Subscapularis Repair, Paper 363, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
125. Cowan James, Weber A, Mlynarek R, Gumucio JP, Mendias CL, dines J, **Bedi A**: Scientific Exhibit SE28 Understanding Biological Augmentation for Orthopaedics in 2015: Stem Cells, Growth Factors, Scaffolds, and PRP, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
126. Mlynarek R, Cowan J, Weber A, Dines J, Verma NN, Romeo AA, Allen AA, Sekiya JK, **Bedi A**: Scientific Exhibit SE80 Approach to Glenoid and Humeral Head Bone Loss in Surgical Treatment of Recurrent Shoulder Instability, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
127. Li X, Ma R, Zhou H, **Bedi A**, Dines DM, Altchek DW, Dines J: Scientific Exhibit SE83 Management of Acromioclavicular Joint Injuries: A Review of Current Concepts, Outcomes, and Surgical Techniques, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
128. Ross J, Tannenbaum E, Nepple J, Kelly BT, Larson CM, **Bedi A**: Supine Versus Standing Pelvic Radiographs: Analysis of Acetabular Morphology and Range of Motion to Impingement , Paper 849, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
129. Larson CM, Ross J, Giveans MR, Stone RM, Grossi E, **Bedi A**: The Dancers Hip: Extreme ROM Impingement / Instability: Arthroscopic Clinical Outcomes, Poster No. P445, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 01/01/2015.
130. Robbins C, Miller B, Carpenter J, **Bedi A**, Gagnier J.: *Factors related to improved quality of life in operative and non-operative RCT patients*. Poster presentation, American Orthopaedic Society for Sports Medicine (AOSSM) Annual Meeting, Orlando, Florida, 01/01/2015.
131. Gagnier J, Robbins C, **Bedi A**, Carpenter J, Miller B.: *Factors related to improved quality of life in operative and non-operative RCT patients*. Poster presentation, Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Conference (ISAKOS), Lyon, France, 01/01/2015.
132. Mlynarek R, **Bedi A**: Algorithmic Approach to Recurrent Anterior Shoulder Instability, Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, Michigan, 01/01/2015.
133. Mlynarek R, **Bedi A**: Arthroscopic Approach to Femoroacetabular Impingement: Identifying Appropriate Indications and Treatment Approach, Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, Michigan, 01/01/2015.
134. Gagnier J, Miller B, Carpenter J, **Bedi A**, Robbins C: *Factors related to improved quality of life in operative and non-operative RCT patients*. Poster presentation, Orthopaedic Research Society (ORS) Annual Conference, Las Vegas, Nevada, 01/01/2015.

135. Gagnier J, Robbins C, **Bedi A**, Carpenter J, Miller B: Minimally important differences for the WORC and ASES in patients treated surgically and non-surgically for full thickness rotator cuff tears. Platform presentation, Orthopaedic Research Society (ORS) Annual Conference, Las Vegas, Nevada, 01/01/2015.
136. Nepple JJ, Ross J, **Bedi A**, Putnam S, Pashos G, Schoenecker PL, Clohisy JC,: The False Profile Radiograph: Is it an Accurate and Precise Method of Assessing Anterior Coverage?, POSNA Annual Meeting, Atlanta, Georgia, 01/01/2015.
137. Nepple JJ, Ross J, **Bedi A**, Schoenecker PL, Clohisy JC: Three-Dimensional CT Analysis Identifies Distinct Variations in Acetabular Morphology in the Dysplastic Hip, POSNA Annual Meeting, Atlanta, Georgia, 01/01/2015.
138. Noonan B, Dines JS, Answorth AA, Altchek DW, **Bedi A**: Adjustable Loop ACL Reconstruction Device: The Value of Re-tensioning and Knot Tying, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando Florida, 03/01/2016.
139. Taylor AI, Robbins CB, **Bedi A**, Carpenter JE, Gagnier JJ, Miller BS.: Do Statin Medications Affect Clinical Outcomes in Patients with Rotator Cuff Tears?, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
140. Xinning L, Cusano A, Yi PH, Sing D, Gagnier JJ, Eichinger JK, Jawa A, **Bedi A**: Insurance Status Affects Postoperative Morbidity and Complication Rate after Shoulder Arthroplasty, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
141. Nepple J, Ross J, **Bedi A**, Clohisy J.: Is Three-Dimensional Imaging Better than Plain Radiographs for Defining Pincer FAI Subtypes?, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
142. Ross J, Nepple J, Tannenbaum E, Larson CM, **Bedi A**: Pelvic Incidence Plays a Role in Pelvic Mobility & Acetabular Version in Patients with Femoroacetabular Impingement, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
143. Wilde J, Gumucio JP, Grekin J, Davis M, Roche SM, **Bedi A**, Mendias CL.: Reduction of Lipid Accumulation and Fibrosis after Rotator Cuff Repair, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
144. VandenBerg CD, Crawford EA, Enselman ER, Robbins CB, Wojtys EM, **Bedi A**: Restricted Hip Rotation is an Independent Risk Factor for ACL Injury, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
145. Hudgens JL, Sugg K, Gumucio JP, Grekin J, **Bedi A**, Mendias C: What is Platelet Rich Plasma (PRP) Really Doing to Tendon Fibroblasts, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 03/01/2016.
146. Kirsch J, Nathani A, Robbins C, Gagnier J, **Bedi A**, Miller BS: Is There an Association Between the "Critical Shoulder Angle" and Clinical Outcome after Rotator Cuff Repair?", American Academy of Orthopaedic Surgeons, Orlando, Florida, 03/04/2016.
147. Robbins CB, Miller B, **Bedi A**, Carpenter J, Gagnier J.: A Comparison of Rehabilitation Strategies in the Non-Operative Management of Symptomatic Rotator Cuff Tears, Orthopaedic Research Society (ORS) 2016 Annual Meeting, Orlando, Florida, 03/05/2016.
148. Wolfe CN, Gumucio JP, Grekin JA, Kouri RK, **Bedi A**, Mendias CL: Pharmacological Inhibition of Myostatin Protects Against Atrophy And Weakness After ACL Tear, Orthopaedic Research Society (ORS) 2016 Annual Meeting, Orlando, Florida, 03/05/2016.
149. Hudgens J, Sugg KB, Grekin JA, Gumucio JP, **Bedi A**, Mendias CL: Platelet Rich Plasma Activates Pro-inflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblasts., Orthopaedic Research Society (ORS) 2016 Annual Meeting, Orlando, Florida, 03/05/2016.
150. Buckwater J, Wolf B, Bollier M, Moon Shoulder Group **Bedi A**, Glass N, Hettrich C: Factors Affecting Return to Baseline Function at 6 Months Following Anterior Shoulder Instability Surgery: A Multi-Center Orthopaedic Outcomes Network (MOON) Shoulder Group Cohort Study, ICSES 2016, The 13th International Congress of Shoulder and Elbow Surgery, Jeju, Korea, 05/18/2016.
151. Buckwater J, Wolf B, Bollier M, Moon Shoulder Group Miller BS, **Bedi A**, Glass N. Hettrich C: Factors Affecting Return to Baseline Function at 6 Months Following Anterior Shoulder Instability Surgery: A Multi-Center Orthopaedic Outcomes Network (MOON) Shoulder Group Cohort Study., The 13th International Congress of Shoulder and Elbow Surgery (ICSES), Jeju, Korea, 05/18/2016.

152. Hudgens JL, Mendias C, Sugg KB, Grekin JA, Gumucio JP, **Bedi A**: Platelet Rich Plasma Activates Pro-Inflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblasts. Cabaud Award Winner, American Orthopaedic Society for Sports Medicine Annual Meeting 2016, Colorado, Springs Colorado, 07/07/2016.
153. Wolfe CN, Gumucio JP, Grekin J, Khouri RK, **Bedi A**, Mendias C: Poster 48: Pharmacological Inhibition of Myostatin Protects Against Atrophy and Weakness after ACL, American Orthopaedic Society for Sports Medicine Annual Meeting 2016, Colorado, Springs Colorado, 07/07/2016.
154. Yi PH, Cusano A, Sing D, Gagnier JJ, Jawa A, **Bedi A**, Li X: Insurance status affects postoperative morbidity and complication rate after shoulder arthroplasty. Podium Presentation., Western Orthopaedic Association (WOA) 80th Annual Meeting, Indian Wells, CA, 09/28/2016.
155. Li Veltre D, Yi PH, Cusano A, Sing D, Eichinger JK, Jawa A, **Bedi A**, Li X: Insurance status affects postoperative morbidity and complication rate after shoulder arthroplasty. Poster Presentation., Eastern Orthopaedic Association (EOA) 47th Annual Meeting, New Orleans, LA, 10/19/2016.
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