

CURRICULUM VITAE

BRIAN FORSYTHE, MD

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EDUCATION

The University of Pittsburgh (2007-2008) Orthopedic Shoulder & Sports Medicine Fellowship

Harvard Combined Orthopedic Residency Program (2003-2007) Orthopedic Residency

Beth-Israel Deaconess Medical Center (2002-2003) Harvard Teaching Hospital, General Surgery Internship

University of Pennsylvania School of Medicine (1998-2002) Doctor of Medicine

Brown University (1994-1998) B.A. Public Policy and American Institutions, Concentration in Pre-Med

ACADEMIC APPOINTMENTS

Associate Professor, Department of Orthopedic Surgery Division of Sports Medicine, Rush University Medical Center, Chicago, IL (2012-Present, Associate since 2019, eligible to apply & applying for promotion as of 10/2024)

Tim & Keli Walbert Endowed Chair in Orthopedic Surgery (November, 2024)

Fellow, UPMC Medical Center, Pittsburgh, PA (2007-2008)

Instructor, Harvard Medical School, Boston, MA (2002-2007)

EMPLOYMENT

Associate Professor, Dept. of Orthopedic Surgery Division of Sports Medicine, Chicago, IL (2012-Present)

Chicago Fire, MLS, Head Orthopedic Officer, Chief Medical Officer (2015-2021, 2022-2023)

Chicago White Sox, MLB Team Physician (2012-Present)

Chicago Bulls, NBA, Team Physician (2012-Present)

Oak Park River Forest High School, Head Team Physician (2021-Present)

Chicago Mustangs, MASL, Head Team Orthopedic Surgeon (2015-2017)

Chicago Blitz, AIFL, Head Team Physician (2015-2017)

U.S. Soccer Federation, National Teams Program, Team Physician (2008-2012)

Partner, OAK Orthopedics, Bradley, IL (2008-2011)

Fellow, UPMC Medical Center, Pittsburgh, PA (2007-2008)

Instructor, Harvard Medical School, Boston, MA (2002-2007)

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CERTIFICATION AND LICENSURE

American Board of Orthopedic Surgery Certified 7-21-2011, Re-Certification Expires 12-31-2031

Certificate of Added Qualification, CAQ, Sports Medicine, Certification Expires 12-31-2031

Illinois Licensed Physician & Surgeon #036120879

Indiana Physician License #01074758A

Commonwealth of Massachusetts Full License # 227698

Advanced Trauma Life Support

American Board of Independent Medical Examiners: IMEs & Impairment Ratings, AMA 6th Edition.

LEADERSHIP POSITIONS AND EXPERIENCES

President, Professional Soccer Physicians Society, PSPS (Major League Soccer, MLS) (2021 -Present)

Midwest Orthopaedics at RUSH, Executive Committee Member (2022-Present)

Board Member, IDSMB Committee, Surgical Timing and Rehabilitation (STaR) for Multiple Ligament Knee Injuries (MLKI): A Multicenter Integrated Clinical Trial (2021 -Present)

- National clinical trial at 30+ centers with aim to determine effects of surgery and/or rehabilitation timing on return-to-work/sport/duty in military personnel and civilians with multi-ligament knee injuries

AOSSM Council of Delegates, State Representative, Illinois (2019-2022)

Chicago Fire FC (MLS) Chief Medical Officer (2022-2023)

Major League Soccer (MLS) Medical Assessment and Research Committee (M-MARC) (2018-Present)

Major League Soccer (MLS) Policies and Procedures Committee Member (2021 -Present)

Major League Soccer Education Committee Member (2021 -Present)

American Orthopedic Society for Sports Medicine, Education Committee Member (2018-2023)

American Orthopedic Society for Sports Medicine, Research Committee Member (2023-Present)

AOSSM Fellows Course Co-Director (2019-2023)

Rush Health Finance Committee, Vice Chairman (2016-2023)

Munster Specialty Surgery Center Medical Director (2016-Present)

Dune Grass Surgery Center Medical Director (2022-Present)

Sports Medicine CORE Curriculum Coordinator, Harvard Combined Orthopedic Residency Program, Boston, MA (2005-2007)

Student Representative, American Association of Medical Colleges, University of Pennsylvania School of Medicine, Philadelphia, PA (1998-2001)

HONORS AND AWARDS

American Journal of Sports Medicine PodCast Award (2024)

Prospective Randomized Trial of Biologic Augmentation With Bone Marrow Aspirate Concentrate in Patients Undergoing Arthroscopic Rotator Cuff Repair. Joshua T. Kaiser, BS, Kyle R. Wagner, BS, Lakshmanan Sivasundaram, MD, R. Stephen Otte, MD, Tracy M. Tauro, BS, BA, Gregory M. White, MD, Michael L. Ralls, MD, Adam B. Yanke, MD, PhD, **Brian Forsythe, MD**, Anthony A. Romeo, MD, Nikhil N. Verma, MD

Arthroscopy Journal Award for Clinical Research Excellence, Runner-Up (2022)

Bone Marrow Aspirate Concentrate Augmentation May Accelerate Allograft Ligamentization in Anterior Cruciate Ligament Reconstruction: A Double-Blinded Randomized Controlled Trial

Forsythe B, Chahla J, Korrapati A, Lavoie-Gagne O, Forlenza E, Diaz CC, Chung CB, Bach BR, Cole B, Yanke AB, Verma NN.

Arthroscopy Journal Award for Systematic Review/Meta-Analysis Excellence, Runner-up (2022)

Double-Row Repair with Platelet-Rich Plasma Optimized Retear Rates after Small to Medium Full-Thickness Rotator Cuff Repair: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials

Lavoie-Gagne O, Fury MS, Mehta N, Harkin WE, Bernstein DN, Berlinberg EJ, Parvaresh K, O'Donnell E, **Forsythe B**

AANA, Richard O'Connor Research Award for Best Paper (2021)

Biological Augmentation with Mesenchymal Stem Cells in Anterior Cruciate Ligament Reconstruction.

Forsythe B, Lavoie-Gagne O, Forlenza E, Korrapati A, Diaz CC, Jeong Y, Chahla J, Yanke AB, Cole BJ, Verma NN, Chung C, Bach BR.

AANA-AOSSM Combined Meeting, Nashville, TN.

Poster Award Winner (2019)

Okoroha K, Patel BH, Lu Y, Idarraga AJ, **Forsythe B**. Concussions in the National Basketball Association: An Analysis from 1999-2018.

American Orthopedic Surgery and Sports Medicine Annual Meeting, Boston, MA.

AANA, Patellofemoral Anatomy Research Excellence Award (2018)

Isolated Medial Patellofemoral Ligament Repair vs. Reconstruction: Rates and Risk Factors for Instability Recurrence in a Young, Active Population

Forsythe B, Waterman B, Zuke WA, Puzzitiello R, Agarwalla A, Cole BJ, Yanke AB.

Arthroscopy Association of America Annual Meeting, Chicago, IL.

Neer Award Finalist (2017)

Randomized Prospective Analysis of Arthroscopic Suprpectoral and Open Subpectoral Biceps Tenodesis

Forsythe B, Zuke WA, Go B, Ellsworth B, Yanke A, Verma NN, Romeo AA

American Shoulder and Elbow Surgeons Meeting, New Orleans, LA.

Award of Excellence, Scientific Exhibit (2008)

Application of Anatomic Double Bundle Reconstruction Concept in Revision/Augmentation Anterior Cruciate Ligament (ACL) Surgeries

Shen W, Honkamp NJ, **Forsythe B**, Ingham SJM, Fu FH.

American Academy of Orthopedic Surgeons Annual Meeting, San Francisco, CA

Chicago Magazine Top Doctors (2024)

Chicago Tribune, Chicago, IL.

Illinois Top Doctor (2019-2024)

"IL Top Docs", Chicago, IL.

Academic Scholarship (1998-2002)

University of Pennsylvania School of Medicine, Philadelphia, PA.

Gordon Rhode Dewart Fellowship (1998)

Awarded to outstanding humanities major pursuing a career in medicine.

Brown University, Providence, RI.

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SOCIETY MEMBERSHIPS

Fellow of the American Academy of Orthopedic Surgery (FAAOS)

American Orthopedic Society for Sports Medicine, Member (AOSSM)

Arthroscopy Association of North America, Member (AANA)

American Shoulder and Elbow Society, Active Member (ASES)

ACL Study Group (International, 170 members)

International Society of Arthroscopy, Knee Surgery and Orthopedic Sports Medicine (ISAKOS)

Illinois State Medical Society

EDITORIAL REVIEW BOARDS

Editorial Review Board, *American Journal of Sports Medicine*, SAGE Publications, 2008-Present

Editorial Review Board, *Video Journal of Sports Medicine*, SAGE Publications, 2020-Present

Reviewer, *Journal of Shoulder and Elbow Surgery*, Elsevier Publications, 2018-Present

Reviewer, *Arthroscopy Association of North America*, Elsevier Publications, 2008-Present

Reviewer, *Journal of Bone & Joint Surgery*, 2023- Present

TEACHING

Rush University

Resident Lab Courses, Instructor & Director

Midwest Orthopaedics at Rush, Chicago, IL

08/2024	Arthroscopy Course
03/2022	Arthroscopy Course
11/2022	Arthroscopy Course
08/2022	Arthroscopy Course
11/2021	Arthroscopy Course
06/2021	Arthroscopy Course
03/2021	Arthroscopy Course
08/2020	Arthroscopy Course
01/2020	Arthroscopy Course
08/2020	Arthroscopy Course
01/2020	Arthroscopy Course
02/2019	Arthroscopy Course
09/2018	Arthroscopic Shoulder Course
03/2018	Arthroscopic Knee Course
11/2017	Arthroscopic Shoulder Course
04/2017	Arthroscopic Knee Course
09/2016	Arthroscopic Shoulder Course
04/2016	Arthroscopic Knee Course
07/2015	Arthroscopic Shoulder Course
04/2015	Arthroscopic Knee Course
10/2014	Arthroscopic Knee Course
06/2014	Arthroscopic Shoulder Course

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10/2013	Arthroscopic Knee Course
10/2012	Arthroscopic Knee Course
07/2011	Arthroscopic Shoulder Course, with Dr. Bernard Bach, Jr.
04/2011	Arthroscopic Hip Course, with Dr. Shane Nho
04/2011	Arthroscopic Knee Course, with Dr. Shane Nho
01/2011	Arthroscopic Shoulder Course, with Dr. Gregory Nicholson
11/2010	Arthroscopic Knee Course, with Dr. Nikhil Verma
08/2010	Arthroscopic Shoulder Course, with Dr. Gregory Nicholson
08/2009	Arthroscopic Knee Course, with Dr. Charles Bush Joseph
08/2009	Arthroscopic Shoulder Course, with Dr. Gregory Nicholson
11/2008	Arthroscopic Shoulder Course, with Dr. Charles Bush-Joseph
08/2008	Arthroscopic Knee Course, with Dr. Brian Cole

Fellows Lab Courses, Instructor:

Midwest Orthopaedics at Rush, Chicago, IL

10/2018	Stryker Arthroscopy Course
09/2018	Stryker Arthroscopy Course
12/2017	Stryker Arthroscopy Course
10/2017	Stryker Arthroscopy Course
10/2016	Stryker Arthroscopy Course
18/2016	Stryker Arthroscopy Course
10/2013	Arthroscopic Elbow Lab
10/2012	Arthroscopic Knee Lab
08/2012	Arthroscopic Shoulder Lab
08/2011	Arthroscopic Shoulder Lab
03/2011	Arthroscopic Knee Lab
10/2010	Arthroscopic Knee Lab
09/2010	Arthroscopic Shoulder Lab

Grand Rounds

2021	Lateral Extraarticular Tenodesis and Revision ACL Reconstruction Rush University Medical Center, Department of Orthopaedics, Chicago, IL
2020	Current Trends in ACL Reconstruction Technique: Are we Anatomic and is there a role for Orthobiologics? Rush University Medical Center, Department of Orthopedics, Chicago, IL
2020	Management of Massive Rotator Cuff Tears: Primary Repair, Superior Capsular Reconstruction, or Reverse Total Shoulder Arthroplasty? Rush University Medical Center, Department of Orthopedics, Chicago, IL

Other institutions

2023	ACL Reconstruction, AOSSM 2023 Fellows Course OLC Conference & Education Center, July. Rosemont, IL
2021	The Wider Scope of Arthroscopy: A Fellows Lab Experience OLC Conference & Education Center, June. Rosemont, IL
2021	Stryker TI Webinar: Treating Shoulder Instability. Presenter, June, Virtual
2019	Shoulder Arthroscopy Course for Sports Medicine for Fellows, Gold Coast Surgery Center, February. Chicago, IL
2018	AAOS Fellows Sports Medicine Course: Shoulder Arthroscopy Techniques Lab Instructor, Lecturer, July, Rosemont, IL
2018	AANA Master Course: Advanced Comprehensive Knee Course: Ligament Reconstruction and Cartilage.

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	Orthopedic Learning Center.
	Lab Instructor: June 5-7. Rosemont, IL.
2017	AAOS Fellows Sports Medicine Course: Shoulder Arthroscopy Techniques
	Lab Instructor, July, Rosemont, IL
2017	AANA Master Course: Advanced Comprehensive Knee Course: Ligament
	Reconstruction and Cartilage.
	Orthopedic Learning Center.
	Lab Instructor: June 5-7. Rosemont, IL.
2016	AANA Master Course: Advanced Comprehensive Knee Course: Ligament
	Reconstruction and Cartilage.
	Orthopedic Learning Center.
	Lab Instructor: June 5-7. Rosemont, IL.
2015	AANA Master Course: Advanced Comprehensive Knee Course: Ligament
	Reconstruction and Cartilage.
	Orthopedic Learning Center.
	Lab Instructor: June 5-7. Rosemont, IL.
2015	AANA Master Course: Advanced Comprehensive Knee Course: Ligament
	Reconstruction and Cartilage.
	Orthopedic Learning Center.
	Lab Instructor: June 5-7. Rosemont, IL
2014	AANA Master Course: Knee Ligament Reconstruction.
	Orthopedic Learning Center.
	Lab Instructor: June 6-8, Rosemont, IL.
2013	AANA Master Course: Knee Ligament Reconstruction.
	Orthopedic Learning Center.
	Lab Instructor: June 7-9, Rosemont, IL.
2012	AANA Master Course: Anatomical ACL Reconstruction.
	Orthopedic Learning Center.
	Lab Instructor: March 9-11, Rosemont, IL.
2011	AANA Master Course: Anatomical ACL Reconstruction. Orthopedic Learning Center.
	Lab Instructor: March 11-13, Rosemont, IL.
2010	AANA Master Course: Shoulder Arthroscopy.
	Orthopedic Learning Center.
	Lab Instructor: June 4-6, Rosemont, IL.
2008	Current Concepts in Double Bundle ACL Reconstruction
	Lab Instructor: December 14 th , 2008. Rosemont, IL
2008	Panther Global Summit: Anatomic Double Bundle ACL Reconstruction
	Lab Instructor: Feb 28 th -March 1 st , 2008. Pittsburgh, PA
2006-2007	Harvard Orthopedic Primary Care Course
	Instructor: Cambridge, MA

Mentorship to students/residents/trainees/fellows/peers

Sports Medicine Fellows

- Jaskarndip Chahal, M.D., 2011-2012
University of Toronto Orthopaedic Sports Medicine (UTOSM) Program
UHN Arthritis Program,
Toronto, Ontario, CA
- Wendell M.R. Heard, M.D., 2011-2012
Assistant Professor of Clinical Orthopaedics, Tulane University School of Medicine
New Orleans, LA
- Nathan A. Mall, M.D., 2011-2012
Director, Cartilage Restoration Center of St. Louis Sports Medicine
St. Louis, MO
- Geoffrey S. Van Thiel, M.D., MBA, 2011-2012
Rockford Orthopedic; Faculty – Orthopedics, Rush University Medical Center
Rockford, IL
- Geoffrey D. Abrams, M.D., 2012-2013
Assistant Professor of Orthopaedic Surgery at the Stanford University Medical Center
Palo Alto, CA
- Anil K. Gupta, M.D, MBA, 2012-2013
Tampa, FL
- Joshua D. Harris, M.D., 2012-2013
Houston, TX
- Frank McCormick, M.D., 2012-2013
Fort Lauderdale, FL
- Marc Haro, M.D., 2013-14 Charleston, SC
- Randhir Mascarenhas, M.D., 2013-14
Assistant Professor, Department Of Orthopedic Surgery, McGovern Medical School at the University of
Texas Health Science Center
Houston, TX
- Thomas Wuerz, M.D., MSc., MS., 2013-14 Boston, MA
New England Baptist Hospital
- Adam Yanke, M.D., PhD.
Assistant Professor, Sports Medicine, Midwest Orthopedics at Rush
2013-14 Chicago, IL
- Ljiljana Bogunovic, M.D., 2014-15
Assistant Professor, Orthopaedic Surgery, Washington University and Barnes-Jewish Orthopedic Center
St. Louis, MO
- Kirk A. Campbell, M.D., 2014-15
Assistant Professor, Department of Orthopaedic Surgery, NYU Langone
New York, NY
- Mahmoud Michael Khair, M.D., 2014-15
The Carrell Clinic
Dallas, TX
- Jonathan C. Riboh, M.D., 2014-15
Assistant Professor in Orthopaedic Surgery, Duke University School of Medicine
Durham, NC
- Justin W. Griffin, M.D., 2015-16
Jordan-Young Orthopedic Institute
Charlottesville, VA
- Timothy Leroux, M.D., 2015-16
Assistant Professor, Department of Surgery, University of Toronto
Toronto, Ontario, CA
- Eric C. Makhni, M.D., 2015-16
Assistant Director, Sports Medicine Orthopedic Surgery Fellowship, Henry Ford Health System
West Bloomfield, MI

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- Mark A. McCarthy, M.D., 2015-16
Orthopedic Surgery, Orthopedics, Sports Medicine, Mayo Clinic Health System
Eau Claire, WI
- Alexander E. Weber, M.D., 2015-16
Assistant Professor of Sports Medicine, USC Department of Orthopaedic Surgery.
Los Angeles, CA
- Rachel M. Frank, M.D., 2016-17
Assistant Professor, Orthopaedic Surgery at the University of Colorado School of Medicine,
Denver, CO
- Nicole A. Friel, M.D., 2016-17
Shriners Hospitals for Children-Northern California
Sacramento, CA
- Drew A. Lansdown, M.D. 2016-17
Assistant Professor, University of California, San Francisco
San Francisco, CA
- Andrew J. Riff, M.D., 2016-17
Assistant Professor, Clinical Orthopaedic Surgery, Indiana University
Indianapolis, IN
- Brian R. Waterman, M.D., 2016-17
Wake Forest Baptist Health
Winston-Salem, NC
- Gregory L. Cvetanovich, M.D., 2017-18
Assistant Professor, The Ohio State University Wexner Medical Center
Columbus, OH
- Grant H. Garcia, M.D., 2017-18
Orthopedic Specialists of Seattle,
Seattle, WA
- Natalie L. Leong, M.D., 2017-18
Assistant Professor of Orthopaedics, University of Maryland Medical Center
Baltimore, MD
- Joseph Liu, M.D., 2017-18
Loma Linda University
Loma Linda, CA
- Austin V. Stone, M.D., PhD., 2017-18
Assistant Professor of Orthopaedic Surgery, University of Kentucky Medical Center
Lexington, KY
- Benedict U Nwachukwu M.D., MBA, 2018-2019
Assistant Professor of Orthopaedic Surgery, Hospital for Special Surgery
New York, NY
- Kelechi Okoroha M.D., 2018-2019
Assistant Professor of Orthopaedic Surgery, Mayo Clinic
Rochester, MN
- Jourdan Cancienne M.D., 2018-2019
Assistant Professor of Orthopaedic Surgery, Midwest Orthopaedics at Rush
Chicago, IL
- Ian J Dempsey M.D., MBA, 2018-2019
Assistant Professor of Orthopaedic Surgery, University of Virginia
Richmond, VA
- Jorge Chahla MD PhD, 2018-2019
Assistant Professor of Orthopaedic Surgery, Midwest Orthopaedics at Rush
Chicago, IL
- Kevin Parvaresh MD, 2019-2020
Private Practice Orthopedic Surgeon, Orthopedic Specialty Institute
Orange County, CA
- Nicholas Trasolini MD, 2020-2021
Assistant Professor of Orthopaedic Surgery, Wake Forest University
Winston-Salem, NC

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- Derrick Knapik MD, 2020-2021
Assistant Professor of Orthopaedic Surgery, Washington University at St. Louis
St. Louis, MO
- Blake Bodendorfer MD, 2020-2021
Private Practice Orthopaedic Surgeon, Miller Orthopedic Specialists
Omaha, NE
- Steven DeFroda MD, 2020-2021
Assistant Professor of Orthopaedic Surgery, University of Missouri
Columbia, MO
- Benjamin Kester MD, 2020-2021
Private Practice Orthopaedic Surgeon, Duly Orthopedics
Lombard, IL
- Nolan Horner MD, 2021-2022
Genesis Orthopedics
Chicago, IL
- Mario Hevesi MD, PhD, 2021-2022
Assistant Professor of Orthopaedic Surgery, Mayo Clinic
Rochester, MN
- Dhanur Damodar MD, 2021-2022
Private Practice Physician (anticipated), Rebound Orthopaedics
Vancouver, WA
- Daniel Kaplan MD, 2022-2023
Assistant Professor of Orthopedic Surgery, New York University
New York, NY
- Christopher Brusalis MD, 2022-2023
Assistant Professor Hospital for Special Surgery, Cornell Medical School
New York, NY
- Corey Beals MD, 2022-2023
UNC Pardee Hospital
Ashville, NC
- Sachin Allahabadi MD, 2022-2023
Assistant Professor, Houston Methodist Hospital System
Houston, TX
- Jimmy Chan MD, 2022-2023
White Plains Hospital Physician Associates
Westchester, NY
- Stephanie Bowden MD, 2023-2024
Assistant Professor University of Louisville Orthopedics
Louisville, KY
- Joshua Wright-Chisem MD, 2023-2024
Elmhurst Endeavor Health
Elmhurst, IL
- Ron Gilat MD, 2023-2024
Maimonides Medical Center
Brooklyn, NY
- Eric Cotter MD, 2023-2024
Assistant Professor University of Wisconsin
Madison, WI
- Richard Danilkovicz MD, 2023-2024
Assistant Professor Emory University
Atlanta, GA

Resident and Medical Students Collaborators

- Bryce Basques – Spine

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- Daniel Bohl – Foot/Ankle
- Islam Elboghdady – Spine
- Charles Hannon – Adult Reconstruction
- Mick Kelly – Adult Reconstruction
- Joshua Bell – Adult Reconstruction – Cleveland Clinic
- Kevin Campbell – Adult Reconstruction – University of Utah
- Philip Louie – Spine – HSS
- Timothy Luchetti – Hand – UPMC
- Allison Rao – Sports – OrthoCarolina
- Bonnie Gregory – Sports – Duke University (Durham, NC)
- Molly Meadows – Sports – Stanford University (Palo Alto, CA)
- Bryan Saltzman – Sports – Sports Medicine & Shoulder Elbow – OrthoCarolina (Charlotte, NC)
- Robert Sershon – Adult Reconstruction – Anderson Orthopaedic Clinic (Washington, DC)
- Matthew Tetreault – Adult Reconstruction – Mayo Clinic (Rochester, MN)
- Brandon Erickson – Sports Medicine – Hospital for Special Surgery (New York, NY)
- Nathan Wetters – Sports Medicine & Shoulder Elbow – OrthoCarolina (Charlotte, NC)
- Yale Fillingham – Adult Reconstruction – The Rothman Institute (Philadelphia, PA)
- Rachel Frank – Sports Medicine – Rush University (Chicago, IL)
- Andrew Riff – Sports Medicine – Rush University (Chicago, IL)
- Nicholas Brown – Adult Reconstruction – Anderson Orthopaedic Clinic (Washington, DC)
- Bryan Haughom – Adult Reconstruction – Brigham and Women’s Hospital (Boston, MA)
- Michael Hellman – Adult Reconstruction – Washington University in St. Louis (St. Louis, MO)
- Jonathan Frank – Sports Medicine – The Steadman Clinic (Vail, CO)
- Peter Chalmers – Shoulder & Elbow – Washington University in St. Louis (St. Louis, MO)
- Laith Al-Shihabi – Hand – University of Cincinnati (Cincinnati, OH)
- William Slikker – Hand – Brigham and Women’s Hospital (Boston, MA)
- David Walton – Foot & Ankle – Duke University (Durham, NC)
- Sanjeev Bhatia – Sports Medicine – The Steadman Clinic (Vail, CO)
- Kevin Park – Spine – Massachusetts General Hospital (Boston, MA)
- Debdtut Biswas – Hand – University of Washington (Seattle, WA)
- Christopher Gross – Foot & Ankle – Duke University (Durham, NC)
- Andrew Hsu – Foot & Ankle – OrthoCarolina (Charlotte, NC)
- Michael Ellman – Sports Medicine – The Steadman Clinic (Vail, CO)
- Brett Lenart – Shoulder & Elbow – The Rothman Institute at Thomas Jefferson (Philadelphia, PA)
- James Gregory – Shoulder & Elbow – Washington University in St. Louis (St. Louis, MO)
- Christopher Bayne – Hand – Mayo Clinic (Rochester, MN)
- Sameer Lodha – Hand – Duke University (Durham, NC)
- Richard Kang – Sports Medicine – Hospital for Special Surgery (New York, NY)
- Nickolas Garbis – Shoulder & Elbow – The Johns Hopkins University (Baltimore, MD)
- Cara Cipriano – Adult Reconstruction – Virginia Commonwealth University (Richmond, VA)
- Oncology – University of Toronto (Toronto, Canada)

One Year Research Fellows:

- Camden Bohn MS3 – Indiana University School of Medicine (Indianapolis, IN) (2024-2025)
- Catherine Hand MS3 – University of Texas, San Antonio School of Medicine (2024-2025)
- Vikranth Mirle MS3 – The University of Chicago Pritzker School of Medicine (Chicago, IL) (2022-2023)
- Vahram Gamsarian MS3 – University of Michigan Medical School (Ann Arbor, MI) (2022-2023)
- Elyse Berlinberg MS3 – New York University Grossman School of Medicine (New York, NY) (2021-2022)
- Harsh Patel MS3 – Rutgers Robert Wood Johnson School of Medicine (Piscataway, NJ) (2021-2022)
- Avinash Korapati MS3 - University of California, San Diego School of Medicine (San Diego, CA) (2020-2021)
- Connor Diaz MS3 – Drexel University School of Medicine (Philadelphia, CA) (2020-2021)

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- Ophelie Lavoie-Gagne MS3 – University of California San Diego Medical School (San Diego, CA), current resident at Harvard Combined Orthopedic Residency Program (2019-2020)
- Enrico Forlenza MS3 – Georgetown University School of Medicine (Washington, DC), current resident at Rush University (2019-2020)
- Yining Lu MS3 – University of Illinois Chicago College of Medicine (Chicago, IL), current resident at Mayo Clinic, Rochester (2018-2019)
- Bhavik H. Patel MS3 – University of California San Diego Medical School (San Diego, CA), current resident at University of Illinois at Chicago (2018-2019)
- Alexander Beletsky MS3 – University of California, San Diego (San Diego, CA), current resident at Riverside Community Hospital (2018-2019)
- Alexander Idarraga BA – University of Wisconsin (Madison, WI) (2018-2019)
- William Zuke MD – Indiana University School of Medicine (Indianapolis, IN), current resident at Cleveland Clinic Orthopedic Surgery Residency Program (Cleveland, OH) (2017-2018)
- Avinesh Agarwalla MS3 – New York Medical College (Westchester, NY), current resident at Westchester Medical Center Orthopedic Surgery Residency Program, Valhalla (New York, NY) (2017-2018)
- Richard N Puzzitiello MS3 – University of Cincinnati College of Medicine (Cincinnati, OH), current resident at Tufts Orthopedic Surgery Residency Program (Boston, MA) (2017-2018)
- Anirudh K. Gowd MS3 – Virginia Tech Medical School (Blacksburg, VA), current resident at Wake Forest School of Medicine (2017-2018)
- Beatrice Go MS1 – University of Pennsylvania (Philadelphia, PA) (2016-2017)
- Michael J. Collins MS4 – Loyola University Medical Center (Philadelphia, PA) (2015-2016)
- Tom Arns MS1 – Drexel University College of Medicine (Philadelphia, PA) (2015-2016)
- Zain Khazi MS3 – University of Illinois Chicago College of Medicine (Chicago, IL) (2018-2019)

CONSULTING POSITIONS

Scientific Advisory Board, and Board of Directors, iBrainTech, 2020-present
Advisory Board, BICMD, Best in Class MD, Telemedicine Company, 2020-present
Scientific Advisory Board, Zuno Medical, 2022-present
Scientific Advisory Board, Jace Medical 2013-2022
Consultant, Stryker Sports Medicine 2016-present
Consultant, Smith and Nephew 2021-present

COMMUNITY SERVICE

October 2024	Journal Club: Management of Shoulder Instability. Athletico PT. Oak Brook, IL
September 2023	Journal Club: Management of ACL Injuries. Athletico PT. Oak Brook, IL
February 2023	Contemporary Treatment of Rotator Cuff Injuries. ISBA Law Ed: Workers' Comp.
February 2020	Meniscal Pathology; Rush Orthopaedics Resident Talk Chicago, IL
February 2020	Multi-ligamentous Knee Injuries; Rush Orthopaedics Resident Talk Chicago, IL
May 2019	Orthobiologics, Shoulder & Knee Conditions, Optimal Outcomes: Rehab, Chicago, IL
March 2019	Update on Shoulder Injury in WC Patients, Tri Star Lunch, Chicago, IL
January 2019	Lane School Talk
December 2018	CTEI; Authentic Assessment Training Virtual Workshop
September 2018	ACL Talk
March 2018	Dr. Bernard Bach Leadership Talk
March 2018	Biceps Talk
March 2018	ACL Isometry Talk
February 2018	Multi-Ligament Knee Talk
February 2018	Munster WC Talk
August 2017	WC Talk, Smith&Wollensky
August 2017	NW Indian Sports Med Talk
August 2017	Chicago Trauma Symposium Talk
April 2017	Naperville TSA Talk
April 24, 2017	PCL Treatment/Rush Talk
April 8, 2017	Total Shoulder Arthroplasty Talk
February 23, 2017	Clinic Talk
September 27, 2016	Indiana Golf Talk
August 19, 2016	Gunnar Anderson Talk/Moderator
June 13, 2016	Worker's Compensation Talk
February 1, 2016	Resident Talk, Massive Rotator Cuff Tear
June 13, 2016	Worker's Compensation Talk
May, 25 2016	Worker's Compensation Talk
October 20, 2015	Indiana Shoulder Talk
October 13, 2015	Indiana Shoulder Talk
August 15, 2015	Chicago Sports Medicine Symposium
January 9, 2015	SEAK National Worker's Compensation/Occupational Medical Talk
October 6, 2014	Knee Ligament Talk
September 30, 2014	Medical Student Lecture, Knee Trauma
September 12, 2014	Multiligamentous Injury/PCL Talk
August 14, 2014	Impairment Talk
August 14, 2014	CDGA/Athletico Talk
July 29, 2014	Talk, Milwaukee, WI
April 11, 2014	Rehab Connections Talk, Adhesive Capsulitis/GIRD

April 3, 2014	Worker's Compensation Talk
March 24, 2014	Resident Talk, Contract Discussions
March 14, 2014	AAOS Talk
March 13, 2014	AAOS Talk
February 20, 2014	CPD Talk, Shoulder/Elbow
February 20, 2014	Ossur Talk
January 29, 2014	AAOS Presentation, Shoulder
January 27, 2014	Injury Prevention, Presentation
January 27, 2014	Multiligament Knee Injuries, Presentation
January 21, 2014	Sonoma Presentation
January 13, 2014	Massive Rotator Cuff Tears
November 21, 2013	Elmhurst Hospital, Clavicle Presentation
October 9, 2013	Fellow Talk, Rotator Cuff Impingement/Tendinosis
October 5, 2013	Accelerated Presentation
October 1, 2013	Medical Student Lecture, Knee Trauma
September 24, 2013	CorVel Lunch & Learn
August 29, 2013	Resident Case Presentation
August 8, 2013	Sports Med Talk, Sox Park
July 17, 2013	ATI Presentation
May 7, 2013	PT meeting/Martha Stewart
April 19, 2013	Diamond Mark Presentation
March 26, 2013	Medical Student Lecture
February 7, 2013	Presentation
January 28, 2013	MOR Multiligament Talk
January 15, 2013	Athletico Talk & Lunch
June 21, 2012	Worker's Compensation, Diamond Mark
May 24, 2012	Worker's Compensation, Biceps
May 2, 2012	Presentation
September 26, 2012	Naperville North Talk Shoulder
October 27, 2012	Golf Talk Shoulder Injury Prevention and Treatment
November 15, 2012	Novacare Worker's Compensation Talk
August 13, 2012	Rush Sports Conference Presentation, Physical Examination Shoulder
February 22, 2012	Presentation to Pediatric Doctors
February 21, 2012	Athletico Presentation
February 9, 2012	Worker's Compensation, Knee/Shoulder
February 7, 2012	Accelerated Talk, Labral Injuries
February 2, 2012	ATI Presentation
January 20, 2012	Rush Luncheon
January 18, 2012	Presentation, Shoulder/Reverse Shoulder Arthroplasty
January 18, 2012	Rehab INS Nurses Group

CLINICAL SERVICE

1. Randomized Control Trial: Healicoil Anchor vs. Twinfix Anchor for RCR (S&N)
Chubinskaya, Verma, Trenhaile, **Forsythe**.
 - IRB 12062003. CT scan at 6 months.
 - 37 enrolled subjects (32 MOR, 5 Rockford) (5 dropped out: 2 revision (1 Rockford/1 Elmhurst) & 3 lost to f/u).
2. Randomized Control Trial: Comparison of Constant Score pre/ post-injection for full-thickness tear rotator cuff patients and how shoulder pain interfere with patients' constant score?
Forsythe, Collins, Arns, Cole, Yanke, Verma.
 - Looking at how pain interferes with ability to test strength.
 - RCT saline v lidocaine, IRB approved.
 - Registered on Clinicaltrials.gov - NCT02693444.

3. Randomized Control Trial: Arthroscopic suprapec vs. open subpec biceps tenodesis for anterior shoulder pain.
Yanke, Romeo, Verma, **Forsythe**. IRB# :13081402.
 - RCT (and non-cuff patients), exclude subscap tears, revisions, prev infections.
 - Baseline, 3 months, 6 months, 12 months. Goal enroll 50 (10 enrolled, 1 failed).
 - Implant, surgeons use their preference. Approved and registered on clinicaltrial.gov.
4. Randomized Prospective Clinical Analysis of Ultrasound-guided vs. Landmark-guided Biceps Corticosteroid Injections.
Romeo, **Forsythe**, Cole.
 - Finalizing protocol and exclusion criteria. Clinical Trials registered.
 - Enrollment goal ~40-60 patients.
5. Randomized Control Trial: Stem cell injections for rotator cuff repair.
Forsythe, Verma, Cole, Romeo, Nicholson.
 - Goal: 100 patients, 2 arms with 50 patients each - with or without MSC injections with RCR
 - BMA and BMAC samples to go for flow cytometry (Jeff Martinson) and smear (quadruplicates of BMA and BMAC) (Ira Miller)
6. Randomized Control Trial: Tranexamic Acid Study in TSA/RTSA patients.
Romeo, Nicholson, **Forsythe**.
 - Comparing blood loss in patients who receive TXA or placebo.
 - 40 patients enrolled.
 - Goal of 300 patients, 150 TSA, 150 RTSA.
7. Randomized Control Trial: Stem cell injections for ACL Reconstruction with allograft
Forsythe, Verma, Cole, Yanke
 - Comparing allograft with injections of bone marrow aspirate concentrate.
 - 100 patients enrolled.

COMMITTEE AND ADMINISTRATIVE SERVICES

Departmental

Midwest Orthopaedics at Rush Marketing Committee 2012-20

Midwest Orthopaedics at Rush Compensation Committee 2017-20

Midwest Orthopaedics at Rush Strategic Planning & Finance Committee 2020-present

Midwest Orthopaedics at Rush, Executive Management Committee Member 2022-present

University

Vice-Chairman, Rush Health Finance Committee 2016-2023

Other institutions

American Orthopedic Society for Sports Medicine, Education Committee Member, 2018-2023

Major League Soccer (MLS) Medical Assessment and Research Committee (M-MARC) 2018-Present

Major League Soccer (MLS) Policies and Procedures Committee Member (2021 -Present)

Major League Soccer Education Committee Member (2021 -Present)

Medical Director, Munster Specialty Surgery Center 2014-present

Brian Forsythe, MD

Board of Managers, Munster Specialty Surgery Center 2015-present

Medical Director, Dune Grass Surgery Center 2022-present

SCIENTIFIC AND SCHOLARLY ACTIVITIES

Invited Presentations at Regional, National, and International Meetings

INTERNATIONAL

Podium Presentations

1. **Forsythe B**, Gamsarian V, Chang JH, Khazi-Syed D, Mirle V, Giza E, Putukian M, Silvers H, Mandelbaum BR. ACL Injuries in Major League Soccer: A Decade Long Analysis. ACL Study Group Biennial Meeting. February 2024, Niseko, Japan.
2. Lu Y, Berlinberg EJ, Patel HH, Rice M, Gamsarian V, Hevesi M, Yanke AB, Cole B, Verma NN, **Forsythe B**. Unsupervised Machine Learning to Identify Clinically Meaningful Subgroups in Patients Undergoing Arthroscopic Rotator Cuff Repair. International Congress on Shoulder and Elbow Surgery. September 2023, Rome, Italy.
3. **Forsythe B**, Patel HH, Berlinberg EJ, et al. Radiostereometric Analysis of Tendon Migration following Arthroscopic and Mini-Open Biceps Tenodesis: Greater Postoperative Tendon Migration & Lower BMI Correlate with Decreased Patient Reported Outcomes. International Congress on Shoulder and Elbow Surgery. September 2023, Rome, Italy.
4. Mirle V, Gamsarian V, Tashjian M, Brusalis C, Yanke AB, Cole BJ, Verma NN, Garrigues GE, **Forsythe B**. Time to Achievement of Clinically Significant Outcomes Following Revision Rotator Cuff Repair. International Congress on Shoulder and Elbow Surgery. September 2023, Rome, Italy.
5. Berlinberg EJ, Song M, Mirle VR, Mascarenhas R, **Forsythe B**. Recurrent Shoulder Dislocation Prior to Surgical Stabilization is Associated with Increased Risk of Reoperation for Instability: A Large Matched Cohort Insurance Database Analysis. International Congress on Shoulder and Elbow Surgery. September 2023, Rome, Italy.
6. **Forsythe B**, Gamsarian V, Mirle V, Krishnan A, Levine Z, Berlinberg EJ, Giza E, Putukian M, Silvers H, Mandelbaum BR. Hamstring Muscle Injuries in Major League Soccer: An Analysis of Injury Rate, Associated Factors, And Return to Play. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
7. **Forsythe B**, Berlinberg E., Gamsarian V., et al. BMAC Augmentation of Allograft Anterior Cruciate Ligament Reconstruction Improves Patient Reported Outcomes in the Presence of Intra-Articular Pathology. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
8. **Forsythe B**, Mirle V, Levine Z, Gamsarian V, Krishnan A, Berlinberg EJ, Giza E, Putukian M, Silvers H, Mandelbaum BR. Adductor Muscle Injuries in Major League Soccer: A Decade Long Analysis of Injury Rate, Associated Factors, and Return to Play? Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
9. **Forsythe B**, Berlinberg E., Patel H., Forlenza E., Mirle V., Gamsarian V., et al. Radiostereometric Analysis of Tendon Migration following Arthroscopic and Mini-Open Biceps Tenodesis: Interference Screw confers Greater Construct Stability than All-Suture Suture Anchor Fixation, with No Difference in Patient-Reported Outcomes. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
10. Berlinberg E., Derry, K., Patel, HH., Forlenza, E., Mirle, V., Gamsarian, V, **Forsythe, B**. Subacromial Decompression is Associated with a Number Needed to Treat of 4 for Reduced Revision Rotator Cuff Repair: A Large Matched Cohort Insurance Database Analysis. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
11. **Forsythe, B**. Chung, C, Berlinberg EJ, et al. Effect of Bone Marrow Aspirate Concentrate Augmentation on Allograft Volume, Ligamentization, and Concurrent Injury in Anterior Cruciate

- Ligament Reconstruction: A Double-Blinded Randomized Controlled Trial. 2023 ACL Study Group. St. Kitts, January 2023
12. **Forsythe, B.** Return to Play for the Overhead Throwing Athlete. Argentine Association of Arthroscopy XVI International Congress. Buenos Aires, Argentina, September 2022.
 13. **Forsythe, B.** Shoulder Instability Case Presentations. Argentine Association of Arthroscopy XVI International Congress. Buenos Aires, Argentina, September 2022.
 14. **Forsythe, B.** 21-year-old female with infected ACLR with BTB autograft. Argentine Association of Arthroscopy XVI International Congress. Buenos Aires, Argentina, September 2022.
 15. **Forsythe, B.** My ACL Tips. Argentine Association of Arthroscopy XVI International Congress. Buenos Aires, Argentina, September 2022.
 16. **Forsythe, B.** Patellofemoral Cartilage Lesions. 3rd International Knee Day. Berlin, Germany, March 2022.
 17. Lavoie-Gagne, O., Huddleston, H., Memon, R., Berlinberg, E., Yanke, A., **Forsythe, B.** Intra-articular Injections in the Treatment of Knee Osteoarthritis: A Systematic Review and Network Meta-analysis. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
 18. Nicholson G, **Forsythe B.** The Effect of Pain on Assessment of Rotator Cuff Tears: A Randomized Control Trial of Subacromial Injections. 14^o International Congress of Shoulder and Elbow Surgery. Buenos Aires, Argentina, September 2019
 19. Nicholson G, **Forsythe B.** Radiostereometric Analysis of Subpectoral versus Suprapectoral Biceps Tenodesis with Interference Screw Fixation. 14^o International Congress of Shoulder and Elbow Surgery. Buenos Aires, Argentina, September 2019
 20. Cole BJ, Naveen N, Tauro TM, Southworth T, Beletsky A, Otte SR, Yanke AB, **Forsythe B**, Romeo AA, Verma NN. Prospective Randomized Trial of Biologic Augmentation with Mesenchymal Stem Cells in Patients Undergoing Arthroscopic Rotator Cuff Repair. American Shoulder and Elbow Surgeons 2019 Annual Meeting. New York, New York, October 2019
 21. **Forsythe B**, Agarwalla A, Puzzitiello RN. Revision ACL Reconstruction: Surgical Pearls and Pitfalls. Arthroscopy Association of North America: Instructional Course Lecture. Chicago, IL. April 2018.
 22. Zuke, WA; Leroux, TS; Gregory, B; Black, A; **Forsythe B**; Romeo, A.A., Verma, NN. Establishing Maximal Medical Improvement in Arthroscopic Rotator Cuff Repairs. Société Européenne pour la Chirurgie de l'Epaule et du Coude (SECEC) - European Society for Surgery of the Shoulder and Elbow (ESSSE) 2017 Congress. Berlin, Germany, September 2017.
 23. **Forsythe B**; Zuke, WA; Go, B; Yanke, AB; Verma, NN; Romeo, AA. Randomized Prospective Analysis of Arthroscopic Suprapectoral and Open Subpectoral Biceps Tenodesis: 1 Year Follow-Up. American Orthopaedic Society for Sports Medicine Annual Meeting. Toronto, Canada, July 2017.
 24. Leroux, TS; Zuke, WA; Gregory, B; Black, A; **Forsythe B**; Romeo, AA; Cole, BJ; Verma, NN. Establishing Maximal Medical Improvement in Arthroscopic Rotator Cuff Repairs. American Orthopaedic Society for Sports Medicine Annual Meeting. Toronto, Canada, July 2017.

Peer Reviewed Abstracts/Posters

1. Berlinberg E, Derry K, Patel H, Forlenza E, Mirle V, Gamsarian V, Mascarenas R, **Forsythe B.** Subacromial Decompression is Associated with a Reduction in Revision Rotator Cuff Repair: A Large Matched Cohort Insurance Database Analysis. International Congress on Shoulder and Elbow Surgery. September 2023, Rome, Italy.
2. Gamsarian V, Mirle V, Krishnan A, Brusalis C, Yanke AB, Cole B, Verma NN, Nicholson GP, Garigues GE, **Forsythe B.** Time to Achievement of Clinically Significant Outcomes Following Open Latarjet. International Congress on Shoulder and Elbow Surgery. September 2023, Rome, Italy.
3. Gamsarian V., Krishnan A., Mirle V., Berlinberg E., Yanke AB., Verma, NN., Cole, BJ., **Forsythe, B.** Time to Achievement of Clinically Significant Outcomes Following Isolated Arthroscopic Meniscal Repair. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
4. Lu, Y., Berlinberg, E., Patel H., Rice, M., Gamsarian, V., Mirle, V., Hevesi, M., Yanke, AB., Cole, BJ., Verma, NN., **Forsythe B.** Machine Learning to Identify Clinically Meaningful Subgroups in Patients Undergoing Arthroscopic Rotator Cuff Repair. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
5. **Forsythe B**, Gamsarian V, Mirle V, Krishnan A, Levine Z, Berlinberg EJ, Giza E, Putukian M, Silvers H, Mandelbaum BR. ACL Injuries in Major League Soccer: An Analysis of Injury Rate, Associated

- Factors, and Return to Play. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
6. Patel, H., Berlinberg, E., Gamsarian, V., **Forsythe, B.** Evaluation of the Factors Influencing the Occurrence of Secondary Meniscal Lesions Following Isolated ACL Reconstruction with a Minimum Five-Year Follow-Up. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
7. **Forsythe B.**, Mirle V, Gamsarian V, Krishnan A, Levine Z, Berlinberg EJ, Giza E, Putukian M, Silvers H, Mandelbaum BR. Quadricep Muscle Injuries in Major League Soccer: A Decade Long Analysis of Injury Rate, Associated Factors, and Return to Play. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
8. Berlinberg, E., Song, M., Patel H., Mirle V., Mascarenhas B., **Forsythe B.** Recurrent Shoulder Dislocations Prior to Labral Repair is Associated with Increased Risk of Reoperation for Instability: A Large Matched Cohort Insurance Database Analysis. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
9. Lu, Y., Berlinberg, E., Maxwell, P., Patel, H., Cohn, M., Baker, J., Yanke, AB., Cole, BJ., **Forsythe B.** Machine Learning Clustering Analysis to Identify High Achievers after Anterior Cruciate Ligament Reconstruction: Meniscal Debridement Strongly Predicts Negative Clinically Significant Outcomes
10. Patel HH, Berlinberg E., Oladipo V., Gamsarian, V., **Forsythe B.** Disposition After Unicompartmental Knee Arthroplasty: An Analysis of Discharge Outcomes, and Identification of Risk Factors For Placement, Adverse Events, And Reoperation. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
11. Berlinberg E., Schlacter J., Forlenza E., Mirle V., Gamsarian, V., **Forsythe B.** Racial Disparities In Utilization And Perioperative Metrics In Rotator Cuff Repair In A Us Inpatient Database. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
12. Berlinberg E., Song M., Sivasundaram L., Gamsarian, V., **Forsythe B.** Rates of Total Knee Arthroplasty Following Meniscal Tears at Mid-Term Follow-Up Vary by Tear Location and Pattern. Accepted to International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. June 2023, Boston, USA.
13. Berlinberg, E., Zabat, M., Forlenza, E., Patel, H., Chahla, J. **Forsythe, B.** Epidemiology of Platelet-Rich Plasma Injections from 2010 to 2020 in a Large United States Commercial Insurance Claims Database. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
14. Berlinberg, E., Burnett, R., Terhune, E., Patel, H., Della Valle, C., Mascarenhas, R., **Forsythe, B.** Chondroplasty in Patients with OA is Associated with an Increased Rate of TKA: A Large Matched Insurance Database Cohort Analysis. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
15. Forlenza, E., Lavoie-Gagne, O., Chau, J., Sama, N., Chua, P., Pianka, M., Chahla, J., **Forsythe, B.** Cartilage Injuries in the Knee: A Matched Cohort Analysis in Elite European Professional Soccer Players. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
16. Berlinberg, E., Forlenza, E., Moore, M., Patel, H. Chahla, J., **Forsythe, B.** PRP Injection is Not Associated with a Decrease in Time to Meniscectomy: Matched Insurance Database Analysis. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
17. **Forsythe, B.**, Chung, C., Statum, S., Berlinberg, E., Lavoie-Gagne, O., Patel, H., Cole, B., Bach, B., Chahla, J., Yanke, A., Verma, N. The Effect of Bone Marrow Aspirate Concentrate Augmentation on ACL Reconstruction Allograft Volume and PROMs. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
18. Lavoie-Gagne, O., Korrapati, A., Retzky, J., Bernstein, D., Diaz, C, Berlinberg, E., Forlenza, E., Fury, M., Mehta, N., O'Donnell, E., **Forsythe, B.** Return to Play and Player Performance following Meniscus Tear Among Elite Level European Soccer Players. International Cartilage Regeneration & Joint Preservation Society 16th World Congress. Berlin, Germany, April 2022.
19. The Timing and Quantity of Corticosteroid Injections Prior to Total Hip Arthroplasty Impacts the Risk of Surgical Site Infection. Forlenza EM, Burnett RA, **Forsythe B**, Della Valle CJ. AAOS Annual Meeting San Diego, 2021

20. Incidence and Risk Factors for Symptomatic Venous Thromboembolism Following Anterior Cruciate Ligament Reconstruction. Forlenza EF, Parvaresh KC, Cohn MR, Lavoie-Gagne O, Khazi ZM, Lu Y, **Forsythe B**. AAOS Annual Meeting San Diego, 2021
21. Concussions Increase Risk for Lower Extremity Injury in National Basketball Association Athletes. Lu Y, Patel B, Lavoie-Gagne O, Forlenza EM, Okoroha K, **Forsythe B**. AAOS Annual Meeting San Diego, 2021
22. Establishing the Minimal Clinically Important Difference, Substantial Clinical Benefit and Patient Acceptable Symptomatic State for PROMIS Upper Extremity. Forlenza EM, Lu Y, Cohn MR, Baker J, Lavoie-Gagne O, Yanke A, Cole B, Verma N, **Forsythe B**. AAOS Annual Meeting San Diego, 2021
23. Concussions Increase Risk for Lower Extremity Injury in National Basketball Association Athletes. Lu Y, Patel B, Lavoie-Gagne O, Forlenza EM, Okoroha K, Forsythe B. Combined AANA-AOSSM meeting. Nashville, Tennessee, 2021.
24. The Role of Technology in Determining Return to Sport: A Report from Major League Soccer. **Forsythe B**, Lavoie-Gagne O, Forlenza E, Lu Y, Whitney R, Kupiec S, Putukian M, Giza E, Chahla J, Mandelbaum B. Combined AANA-AOSSM meeting. Nashville, Tennessee, 2021.
25. Adductor Muscle Injuries in Professional Soccer: Injury Rate, Return to Play, and Player Performance
26. How should we define clinically significant improvement on Patient-Reported Outcomes Measurement Information System (PROMIS) for patients undergoing Knee Meniscal Surgery? Okoroha KC, Lu Y, Nwachukwu BU, Beletsky A, Patel BH, Lavoie-Gagne O, Yanke AA, Verma NN, Cole BJ, Bush-Joseph C, Bach B, **Forsythe B**. American Orthopaedic Society for Sports Medicine. Jul 2020, Seattle, WA. (Poster)
27. Mesenchymal Stem Cells in BTB allograft ACL reconstruction: A Prospective Randomized Controlled Trial. **Forsythe B**, Chahla J, Lavoie-Gagne O, Forlenza E, Patel BH, Lu Y, Agarwalla A, Puzzitiello R, Cole B, Yanke A, Verma N, Bach B. American Association NA Annual Meeting. May 2020, Grapevine, TX. (Poster)
28. Defining Clinically Significant Improvement on PROMIS for Patients Undergoing Knee Meniscal Surgery. Lu Y, Lavoie-Gagne O, Forlenza E, **Forsythe B**. American Association of North America Annual Meeting. May 2020, Grapevine, TX. (Poster)
29. Adductor Injuries in the National Basketball Association: Return to Play and Player Performance. Patel BH, Okoroha KC, Jildeh T, Lavoie-Gagne O, Forlenza E, Lu Y, Baker J, Nwachukwu B, Allen A, **Forsythe B**. American Association of North America Annual Meeting. May 2020, Grapevine, TX. (Poster)
30. ACL Reconstruction after 6 months from Injury Decreases Likelihood of Improved Clinical Outcomes. Lu Y, Lavoie-Gagne O, Forlenza E, **Forsythe B**. American Association of North America Annual Meeting. May 2020, Grapevine, TX. (Poster)
31. Bone Marrow Aspirate Concentrate Augmentation for Anterior Cruciate Ligament Reconstruction: A Double Blinded Randomized Controlled Trial. **Forsythe B**, Patel B, Lu Y, Lavoie-Gagne O, Forlenza E, Agarwalla A, Puzzitiello R, Yanke AB, Verma NN, Cole BJ, Chahla JA. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL. (Poster)
32. Beletsky A, Nwachukwu B, Southworth T, Okoroha KC, Naveen N, Maheshwer B, **Forsythe B**, Verma, NV, Cole B, Yanke AB. Performance of PROMIS Instruments in Patients Undergoing ACL Reconstruction Compared to Cartilage Procedures. International Cartilage Regeneration and Joint Preservation Society (ICRS) Annual Meeting. Vancouver, Canada. October 2019.
33. Lu Y, Beletsky A, Patel BH, Southworth T, Naveen N, Chahla J, **Forsythe B**, Verma NN, Cole BJ; Chicago/US. Predicting Complications and Extended Stay following Treatment of Chondral Lesions. International Cartilage Regeneration and Joint Preservation Society (ICRS) Annual Meeting. Vancouver, Canada. October 2019.
34. Lu Y, Beletsky A, Patel BH, Southworth T, Naveen N, Chahla J, **Forsythe B**
35. Manderle B, Gowd AK, Liu J, Beletsky A, Bush-Joseph C, Cole BJ, **Forsythe B**, Nicholson G, Verma NN. Time Required to Achieve Clinically Significant Outcomes After Arthroscopic Rotator Cuff Repair. Arthroscopic Association of North America Annual Meeting. 2019.
36. Lu Y, Patel BH, Cvetanovich GL, Maclean IS, **Forsythe B**. Does Resident Involvement Have an Impact on Postoperative Complications After Rotator Cuff Repair? An Analysis Of 1598 Cases in The NSQIP Database. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Congress 2019.
37. Lu Y, Beletsky A, Patel BH, Southworth T, Naveen N, Chahla J, **Forsythe B**
38. Lu Y, Patel BH, Cvetanovich GL, MacLean IS, **Forsythe B**. Is There A Cost to Resident Education? An Analysis Of The Effect Of Resident Involvement In Anterior Cruciate Ligament Reconstruction:

- 8142 Cases In The NSQIP. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Congress 2019.
39. **Forsythe B**, Lu Y, Patel BH, Puzzitiello RN, Agarwalla A, Yanke AB, Verma NN, Cole BJ. The Relationship Between Resilience and Insurance Status: The Effect on Rotator Cuff Repair Outcomes. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Congress 2019.
40. **Forsythe B**, Lu Y, Patel B, Agarwalla A, Puzzitiello RN, Yanke AB, Verma NN, Cole BJ. The Relationship Between Resilience and Insurance Status: The Effect on Meniscectomy Outcomes. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Annual Meeting 2019.
41. Nwachukwu B, Lu Y, Patel BH, Puzzitiello RN, Cvetanovich GL, **Forsythe B**. Patient Satisfaction After Shoulder Stabilization Surgery: A Comparison of Bankart And Latarjet Procedures. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Annual Meeting/ 2019.
42. Nwachukwu B, Patel BH, Lu Y, Puzzitiello RN, Cvetanovich, GL, Chahla J, **Forsythe B**. Establishing Timeline To Maximal Medical Improvement (MMI) Following Shoulder Stabilization Surgery. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Annual Meeting. 2019.
43. Agarwalla A, Gowd AK, Liu JN, Garcia GH, Bohl DD, Verma NN, **Forsythe B**. The Effect of Operative Time on Short-Term Adverse Events Following Isolated Anterior Cruciate Ligament Reconstruction. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Congress. Cancun, Mexico. May 2019.
44. Puzzitiello RN, Agarwalla A, Zuke WA, Garcia GH, **Forsythe B**. Diagnosis of Injury to the Anterolateral Ligament in Patients with Anterior Cruciate Ligament Injuries: A Systematic Review. Arthroscopic Association of North America. Chicago, IL. April 2018.
45. Agarwalla A, Puzzitiello RN, Zuke WA, Cole BJ, Verma NN, Yanke AB, Romeo AA, **Forsythe B**. The Relationship between Resilience and Insurance Status: The Effect on Rotator Cuff Repair Outcomes. Arthroscopic Association of North America. Chicago, IL. April 2018.
46. Puzzitiello, R.N., Agarwalla, A, Zuke, W.A., Garcia, G.H., **Forsythe B**. (April, 2018). Evaluating Anterolateral Ligament (ALL) Injuries of the Knee: A Systematic Review. Poster presented at: Arthroscopy Association of North America Annual Meeting. Chicago, IL. April 2018.
47. Puzzitiello R.N., Agarwalla, A, Zuke, W.A., Verma, N.N, Cole B.J., Yanke, A, Romeo, A.A, **Forsythe B**. (April, 2018). The Relationship between Resilience and Insurance Status; The effect on Rotator Cuff Repair Outcomes. Arthroscopy Association of North America Annual Meeting. Chicago, IL. April 2018.
48. **Forsythe B**; Zuke, WA; Go, B; Yanke, AB; Verma, NN; Romeo, AA. Randomized Prospective Analysis of Arthroscopic Suprapectoral and Open Subpectoral Biceps Tenodesis: 1 Year FollowUp. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Annual Meeting. Shanghai, China, June 2017.
49. Sherman, SL; Zuke WA; Go, B; Thyssen, E; Cvetanovich, GL; Hannafin, JA; **Forsythe B**. A Multicenter Study Investigating Factors that Influence Initiation of Return to Sport Functional Testing Following ACL Reconstruction. International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Annual Meeting. Shanghai, China, June 2017.
50. **Forsythe B**; Zuke, WA; Go, B; Verma, NN; Cole, BJ; Bach, BR; Nozomu, I. Dynamic 3D Mapping of the Isometric Anterior Cruciate Ligament Attachment Sites on the Tibia and Femur. Arthroscopy Association of North America Annual Meeting. Denver, CO. May 2017.
51. Leroux, TS; Zuke, WA; Gregory, B; Black, A; **Forsythe B**; Romeo, AA; Cole, BJ; Verma, NN. Establishing Maximal Medical Improvement in Arthroscopic Rotator Cuff Repairs. Arthroscopy Association of North America Annual Meeting. Denver, CO. May 2017.
52. Gupta AK, Lee AS, **Forsythe B**, Harris JD, McCormick F, Abrams G, Verma N, Cole BJ, Inoue N. Topographic analysis of the glenoid and proximal medial tibial articular surfaces:A search for the ideal match for glenoid resurfacing. Arthroscopy Association of North America Annual Meeting. San Antonio, TX. April 2013.

NATIONAL

Podium Presentations

1. **Forsythe B**, Khazi-Syed D, Chang JH, Ramiz MA, Schwartz E, Messer M. Hamstring and Quadriceps Muscle Injuries. Major League Soccer (MLS) Annual Medical Symposium. December 2023, Fort Lauderdale, FL.
2. Berlinberg EJ, Derry K, Patel HH, Mirle V, Chang JH, Khazi-Syed D, Gamsarian V, Forlenza EM, Mascarenhas R, **Forsythe B**. Subacromial Decompression is Associated with Reduced Risk of Revision Rotator Cuff Repair: A Large Matched Cohort Insurance Database Analysis. ASES Annual Meeting, Scottsdale, AZ, October 2023.
3. **Forsythe, B**, Forlenza, EM, Okoroha, KR, Williams, BT, Patel, HH, Manderle, B, Beletsky, A, Chahla, J, Yanke, AB, Cole, BJ, Verma, NN. Radiostereometric Analysis of Biceps Tenodesis: A Prospective Comparison of All-Suture Anchor vs. Interference Screw, Arthroscopic and Mini-Open Techniques. AOSSM Annual Meeting, Washington DC, July 2023
4. **Forsythe B.**, Mirle, V., Gamsarian V, Bockmeier S., Reider, B. VJSM Editorial: Application of Levels of Evidence to Video Journal Publications. AAOS Annual Meeting. Las Vegas, NV, March 2023.
5. **Forsythe B.**, Berlinberg E., Gamsarian V., et al. Merging the Modern and the Classic: Anterior Cruciate Ligament Reconstruction with Bone Marrow Aspirate Concentrate-Augmentation of Bone-Tendon-Bone Allograft". OVT. AAOS Annual Meeting. Las Vegas, NV, March 2023.
6. Lu, Y., Berlinberg EJ., Gamsarian V, **Forsythe, B**. Unsupervised Machine Learning to Identify Clinically Meaningful Subgroups in Patients Undergoing Arthroscopic Rotator Cuff Repair. AAOS 2023 Annual Meeting. Las Vegas, NV, March 2023.
7. Radiostereometric Analysis of Biceps Tenodesis: A Prospective Comparison of All-Suture Anchor vs. Interference Screw, Arthroscopic and Mini-Open Techniques. **Forsythe, B**, Forlenza, EM, Okoroha, KR, Williams, BT, Patel, HH, Manderle, B, Beletsky, A, Chahla, J, Yanke, AB, Cole, BJ, Verma, NN. AOSSM Annual Meeting Colorado Springs, CO, 2022
8. The Effect of Bone Marrow Aspirate Concentrate Augmentation on ACL Reconstruction Allograft Volume and PROMs. **Forsythe, B**, Chung, C, Statum, S, Berlinberg, EJ, Lavoie-Gagne, O, Patel, HH, Cole, B, Bach, BR, Chahla, J, Yanke, AB, Verma, NN. AAOS Annual Meeting Chicago, IL, 2022.
9. Return to Play and Player Performance following Ankle Fractures in Elite European Soccer Players: A Case-Control Study. Korrapati, A, Lavoie-Gagne, O, Diaz, C, Farah, G, Forlenza, E, O'Donnell, E, Patel, H, Berlinberg, E, **Forsythe, B**. AAOS Annual Meeting Chicago, IL, 2022.
10. Return to Play and Player Performance following Foot Fracture in Elite-Level European Soccer Players. Diaz, C, Lavoie-Gagne, O, Korrapati, A, John, NS, Diaz, MI, Forlenza, EM, Trasolini, N, **Forsythe, B**. AAOS Annual Meeting Chicago, IL, 2022.
11. Chondroplasty & Meniscectomy Is Associated with Decreased Total Knee Arthroplasty in a Matched Cohort. Berlinberg, EJ, Patel, HH, Terhune, EB, Burnett, RA, Della Valle, C, Mascarenhas, R, **Forsythe, B**. AANA Annual Meeting, San Francisco, CA, 2022.
12. Radiostereometric Analysis of Biceps Tenodesis: A Prospective Comparison of All-Suture Anchor vs. Interference Screw, Arthroscopic and Mini-Open Techniques. **Forsythe, B**, Forlenza, EM, Okoroha, KR, Williams, BT, Patel, HH, Manderle, B, Beletsky, A, Chahla, J, Yanke, AB, Cole, BJ, Verma, NN. AANA, Annual Meeting San Francisco, CA, 2022.
13. Arthroscopic Suprapectoral Vs. Open Subpectoral Bicep Tenodesis at 3-year, Mid-term Follow-up. **Forsythe, B**, Diaz, CC, Korrapati, A, Agarwalla, A, Berlinberg, EJ, Cole, BJ, Cvetanovich, GL, Yanke, AB, Romeo, AA and Verma, NN. AANA Annual Meeting, San Francisco, CA, 2022.
14. Platelet-Rich Plasma Therapy Is Not Associated with a Decrease in Time to Meniscectomy. Berlinberg, EJ, Forlenza, EM, Patel, HH, Chahla, JA, **Forsythe, B**. AANA Annual Meeting, San Francisco, CA, 2022.
15. PROMIS Upper Extremity underperforms psychometrically relative to American Shoulder and Elbow Surgeons score in patients undergoing primary rotator cuff repair. Huddleston HP, Lavoie-Gagne O, Maheshwer B, Mehta N, Fu MC, Cole BJ, Verma NN, **Forsythe B**, Yanke AB. AAOS Annual Meeting San Diego, 2021.
16. A Machine Learning Algorithm Outperforms Linear Models to Predict Extended Opioid Utilization following Total Shoulder Arthroplasty. Lu Y, Lavoie-Gagne O, Forlenza E, Cole B, Verma N, **Forsythe B**. AAOS Annual Meeting San Diego, 2021.

17. Application of Machine Learning Algorithms in the Prediction of Prolonged Postoperative Opioid Use in Patients Undergoing Elective Shoulder Arthroscopy. Lu Y, Karhade A, Lavoie-Gagne O, Forlenza E, Schwab J, Cole B, Verma N, **Forsythe B**. AAOS Annual Meeting San Diego, 2021.
18. Arthroscopic Distal Clavicle Excision is Associated with Fewer Postoperative Complications Compared to Open. Forlenza E, Agarwalla A, Cohn M, Wener B, **Forsythe B**. AAOS Annual Meeting San Diego, 2021.
19. Achilles Tendon Rupture: A Matched Cohort Analysis of Return to Play and Player Performance from 1999-2018 in Elite UEFA Professional Soccer Players. Forlenza EM, Lavoie-Gagne OZ, Lu Y, Diaz CC, Chahla J, **Forsythe B**. AAOS Annual Meeting San Diego, 2021.
20. Preoperative Opioid Use Predicts Postoperative Opioid Use and Inferior Clinically Significant Outcomes after Total Shoulder Arthroplasty. Lu Y, Cohn M, Baker J, Garrigues G, Nicholson G, Verma N, Cole B, **Forsythe B**. AAOS Annual Meeting San Diego, 2021.
21. Biologic Augmentation with Mesenchymal Stem Cells in Anterior Cruciate Ligament Reconstruction. **Forsythe B**, Lavoie-Gagne O, Forlenz E, Korrapati A, Diaz CC, Jeong Y, Chahla J, MD, Yanke A, Cole B, Verma N, Chung C, Bach B. Combined AANA-AOSSM meeting. Nashville, Tennessee, 2021.
22. Delaying ACL Reconstruction Beyond 6 months from Injury Impacts Likelihood for Clinically Significant Outcome Improvement. **Forsythe B**, Lu Y, Patel BH, Nwachukwu BU, Beletsky A, Lavoie-Gagne O, Agarwalla A, Chahla J, Kym CR, Yanke AB, Cole BJ, Bush-Joseph CA, Bach BR, Verma NN. American Orthopaedic Society for Sports Medicine. Jul 2020, Seattle, WA.
23. Mesenchymal Stem Cells in BTB allograft ACL reconstruction: A Prospective Randomized Controlled Trial. **Forsythe B**, Chahla J, Lavoie-Gagne O, Forlenza E, Patel BH, Lu Y, Yanke AB, Verma NN, Bach BR. Arthroscopy Association of North America Annual Meeting. May 2020. Grapevine, TX.
24. Defining Clinically Significant Improvement on PROMIS for Patients Undergoing Knee Meniscal Surgery. Okoroha K, Lu Y, Nwachukwu BU, Beletsky A, Patel BH, Yanke AB, Verma NN, Cole BJ, Bush-Joseph CA, Bach BR, **Forsythe B**. Arthroscopy Association of North America Annual Meeting. May 2020. Grapevine, TX.
25. Adductor Injuries in the National Basketball Association: Return to Play and Player Performance. Patel PH, Okoroha K, Jildeh TR, Lu Y, Baker JD, Nwachukwu BU, Allen AA, **Forsythe B**. Arthroscopy Association of North America Annual Meeting. May 2020. Grapevine, TX.
26. ACL Reconstruction after 6 months from Injury Decreases Likelihood of Improved Clinical Outcomes. **Forsythe B**, Lu Y, Patel BH, Nwachukwu BU, Beletsky A, Agarwalla A, Chahla J, Kym CR, Yanke AB, Cole BJ, Bush-Joseph CA, Bach BR, Verma NN. Arthroscopy Association of North America Annual Meeting. May 2020. Grapevine, TX.
27. Adverse Impact of Corticosteroid Injection on Rotator Cuff Tendon Health and Repair: A Systematic Review of Clinical and Basic Science Studies. Richard Puzzitiello, Bhavik Patel, Benedict U Nwachukwu, Answorth Anthony Allen, **Brian Forsythe**, Matthew J Salzer. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
28. Rates and Risk Factors for Subsequent Non-Rotator Cuff Shoulder Surgery Following Arthroscopic Rotator Cuff Repair. **Brian Forsythe**, Jourdan Michael Cancienne, Bhavik Patel, Yining Lu, Brian C Werner. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
29. Delaying ACL Reconstruction Beyond 6 months from Injury Impacts Likelihood for Clinically Significant Outcome Improvement. Yining Lu, Alexander M Beletsky, Benedict U Nwachukwu, Bhavik Patel, Avinesh Agarwalla, Jorge A Chahla, Nikhil N Verma, Brian J Cole, **Brian Forsythe**. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
30. Perioperative Opioid Use Predicts Postoperative Opioid Use and Inferior Outcomes after Shoulder Arthroscopy. Yining Lu, Alexander M Beletsky, Matthew R Cohn, Bhavik Patel, Jourdan Michael Cancienne, Adam Blair Yanke, Nikhil N Verma, Brian J Cole, **Brian Forsythe**. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
31. Psychometric Properties of Visual Analog Scale Assessments For Function, Pain and Strength Compared to Disease Specific Upper Extremity Outcome Measures in Rotator Cuff Repair. Beletsky A, Nwachukwu BU, Gorodischer T, Chahla JA, **Forsythe B**, Cole BJ, Verma NN. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
32. The Minimally Clinically Important Difference (MCID) and Substantial Clinical Benefit (SCB) in Anterior Cruciate Ligament Reconstruction: Predictors Of Time To Achievement. Beletsky A, Lu Y, Nwachukwu BU, Chahla JA, Okoroha KC, **Forsythe B**, Yanke AB, Cole BJ, Verma NN. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
33. Open Architecture Anchors for Rotator Cuff Repair: Do they Move the Needle? A Randomized Controlled Trial. Chahla J, Liu J, Manderle B, Beletsky A, Cabarcas BC, Gowd AK, Inoue N,

- Chubinskaya SG, Trenhaile SW, **Forsythe B**, Cole BJ, Verma NN. American Shoulder and Elbow Surgeons 2019 Annual Meeting. October 2019, New York City, NY.
34. Prospective Randomized Trial of Biologic Augmentation with Mesenchymal Stem Cells in Patients Undergoing Arthroscopic Rotator Cuff Repair. Cole BJ, Naveen N, Tauro TM, Southworth T, Beletsky A, Otte SR, Yanke AB, **Forsythe B**, Romeo AA, Verma NN. American Shoulder and Elbow Surgeons 2019 Annual Meeting. October 2019, New York City, NY.
 35. Return to Sport and Exercise Following Repair of the Pectoralis Major Tendon. Liu J, Gowd AK, Garcia GH, Manderle BJ, Beletsky AK, Nicholson GP, Cole BJ, **Forsythe B**. AOSSM. July 2019, Boston, MA.
 36. Inside the First Team Training Room – New Modalities, Performance and Analytics: Technology Now a Tool to Determine Return to Play. **Forsythe B**. AOSSM. Soccer/MLS Soccer Sports Medicine Course. September 2019, Miami, FL.
 37. Inside the First Team Training Room – New Modalities, Performance and Analytics: Cases, Expert Panel Discussion: Osbahr DC, **Forsythe B**. AOSSM. Soccer/MLS Soccer Sports Medicine Course. September 2019, Miami, FL.
 38. Patellofemoral Injuries in the Elite and Youth Player: Case Presentations with Panel Discussion: Ahmad CS, **Forsythe B**. AOSSM. Soccer/MLS Soccer Sports Medicine Course. September 2019, Miami, FL.
 39. ACL and MCL Advanced Issues: ACLR Reconstruction Graft Options. **Forsythe B**.
 40. ACL and MCL Advanced Issues: Cases, Expert Panel Discussion. Ahmad CS, **Forsythe B**.
 41. Special Consideration for Academy and College Development Players: Roundtable Discussion: Organizational Approach to an Academy System: Ahmad CS, **Forsythe B**.
 42. Cvetanovich GL, Puzzitiello RN, Agarwalla A, Liu JN, Gowd AK, Cole BJ, Romeo AA, Verma NN, **Forsythe B**. Radiostereometric Analysis of Subpectoral Versus Suprapectoral Biceps Tenodesis with Interference Screw Fixation. AANA Annual Meeting, May 2019.
 43. Beletsky A, Patel BH, Lu Y, Manderle B, **Forsythe B**, Verma NN. The Opportunity Cost of Resident Involvement in Academic Orthopedic Sports Medicine. AANA Annual Meeting, May 2019.
 44. Beletsky A, Lu Y, Patel BH, Cvetanovich GL, Chahla J, **Forsythe B**, Verma NN. Should We Question the External Validity of Database Studies? A Comparative Analysis of Demographics. AANA Annual Meeting, 2019.
 45. Beletsky A, Gowd AK, Liu J, Manderle B, Bush-Joseph C, **Forsythe B**, Cole BJ, Verma NN, Clinically Significant Outcomes in Isolated Arthroscopic Partial Meniscectomy: A Multivariate Time-To-Event Analysis. AANA Annual Meeting, 2019.
 46. **Forsythe B**, Cartilage Repair Surgeries in Elite Athletes: What Do We Know About Their Future Arthritis? Major League Soccer Medical Symposium. Orlando, FL. January 2019
 47. Moderator: **Forsythe B**, Panel: Mandelbaum, B, Ahmad, C, Difiori, J, Martinez, M. Lead, Follow, or Get Out of The Way. Is Major League Soccer Leading Medical Care in Professional Athletes? A panel discussion among professional team physicians comparing, contrasting, and highlighting opportunities to improve delivery of care within the soccer population. Major League Soccer Medical Symposium. Orlando, FL. January 2019
 48. Moderator: Gerhardt, M. Panel: **Forsythe B**, Mandelbaum, B, Ahmad, C, Kadavi, M, Panel discussion: BMAC, PRP, Cartilage “What are they getting and from Whom?” Major League Soccer Medical Symposium. Orlando, FL. January 2019
 49. Cvetanovich GL, Puzzitiello RN, Agarwalla A, Liu JN, Gowd AK, Cole BJ, Romeo AA, Verma NN, **Forsythe B**. Radiostereometric Analysis of Subpectoral Versus Suprapectoral Biceps Tenodesis with Interference Screw Fixation. American Orthopaedic Society of Sports Medicine Specialty Day. Las Vegas, NV. March 2019.
 50. Cvetanovich GL, Puzzitiello RN, Agarwalla A, Liu JN, Gowd AK, Cole BJ, Romeo AA, Verma NN, **Forsythe B**. Radiostereometric Analysis of Subpectoral Versus Suprapectoral Biceps Tenodesis with Interference Screw Fixation. Arthroscopic Association of North America. Orlando, FL. May 2018.
 51. **Forsythe B**, Agarwalla A, Puzzitiello RN, Verma NN, Romeo AA, Cole, BJ. How Pain Affects Rotator Cuff Tear Strength Testing: A Randomized Subacromial Injection Control Trial. Arthroscopic Association of North America. Chicago, IL. April 2018.
 52. **Forsythe B**, Puzzitiello RN, Agarwalla A, Waterman BR, Zuke WA, Cole BJ, Verma NN, Yanke AB. Clinical Outcomes of Isolated Medial Patellofemoral Ligament Reconstruction in Patients with Patella Alta and Excessive Rotational Malalignment. Arthroscopic Association of North America. Chicago, IL. April 2018.

53. **Forsythe B**, Waterman BR, Puzzitiello RN, Agarwalla A, Zuke WA, Cole BJ, Verma NN, Yanke AB. Isolated Medial Patellofemoral Ligament Repair versus Reconstruction: Rates and Risk Factors for Instability Recurrence in a Young, Active Population. Arthroscopic Association of North America. Chicago, IL. April 2018.
54. **Forsythe B**, Puzzitiello, R.P., Liu, J.N. Revision Anterior Cruciate Ligament Pearls and Pitfalls: An Instructional Course Lecture. Arthroscopy Association of North American Annual Meeting; Chicago, IL, USA. April 2018.
55. **Forsythe B**; Zuke, WA; Go, B; Yanke, AB; Verma, NN; Romeo, AA. Randomized Prospective Analysis of Arthroscopic Suprapectoral and Open Subpectoral Biceps Tenodesis: 1 Year Follow-Up. Arthroscopy Association of North America Annual Meeting, Denver, CO, May 2017.
56. **Forsythe B**. Board Review Course: Podium Presentation Shoulder. Moderator, Leesa Galatz. AAOS Annual Meeting, March 27, 2015. Las Vegas, NV.
57. Leland MJ, **Forsythe B**. Practice Marketing - the Social Media Explosion: Development of Physician Websites. *Instructional Course Lecture AANA 34rd Annual National Meeting*. Los Angeles, April 24, 2015.
58. **Forsythe B**. Board Review Course: Podium Presentation Shoulder. Moderator, Leesa Galatz. AAOS Annual Meeting, March 14, 2014. New Orleans, LA.
59. Yanke AB, Cvetanovich G, Shin J, **Forsythe B**, Cole BJ, Bach BR Jr., Inoue N, Verma N. Varied Graft Sources for Distal Femoral Condyle Osteochondral Allografts. AANA Meeting, Hollywood, FL. May 1-3, 2014
60. Leland MJ, **Forsythe B**, Geier D. Course 201: Practice Marketing The Social Media Explosion: Development of Physician Websites. *Instructional Course Lecture AANA 33rd Annual National Meeting*. May 2, 2014. Hollywood, FL
61. Frank RM, Lundberg HJ, Trombley R, Wimmer MA, **Forsythe B**, Bush-Joseph CA, Bach BR, Verma NN, Cole BJ. Hamstring Activity in the ACL Injured Patient: Injury Implications and Comparison to Quadriceps Activity. Annual Orthopedic Research Society (ORS) Meeting. New Orleans, March 15-18, 2014.
62. Gupta AK, Lee AS, **Forsythe B**, Harris JD, McCormick F, Abrams G, Verma N, Cole BJ, Inoue N. Topographic analysis of the glenoid and proximal medial tibial articular surfaces :A search for the ideal match for glenoid resurfacing. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS). Bi-annual Meeting. Toronto CA, May 14, 2013.
63. Leland MJ, **Forsythe B**, Mather RC. Course 201: Practice Marketing - What Web-Based Services and Social Media Can Do for You and Your Practice: Development of Physician Websites. *Instructional Course Lecture AANA 32nd Annual National Meeting*. April 26, 2013. San Antonio, Texas.
64. **Forsythe B**. Examination of the Unstable knee and treatment of Patellofemoral Instability. *ATI National Sports Medicine Summit*. Oak Brook, IL, August 12th, 2012.
65. **Forsythe B**. Elective Orthopedic Surgery: The Team Approach to the Treatment of Hemophilia. *Center for Advanced Training in Inhibitor Management Symposium*. Marriott, Chicago Medical District. Rush University Medical Center, May 2nd, 2012
66. Kropf EJ, **Forsythe B**, Tranovich M, Baker CL, Irrgang JJ. Allograft Revision vs. Primary Single Bundle Anterior Cruciate Ligament Reconstruction: A Case-Control Study. Presented to *American Orthopedic Society for Sports Medicine, Specialty Day*. Las Vegas, NV, February 2009.
67. Bradley JP, **Forsythe B**. Single versus Double Bundle ACL Reconstruction. *Metcalf Course*. Sun Valley, Utah. February, 2008.
68. Bradley JP, **Forsythe B**. Anterior Instability in Contact Athletes. Instructional Course Lecture. *American Academy of Orthopedic Surgery*. San Francisco, March, 2008.
69. **Forsythe B**, Guss D, Anthony S, Martin SD: Concomitant Arthroscopic SLAP Lesion and Rotator Cuff Repair versus Isolated Rotator Cuff Repair: A Retrospective Analysis. Presented to *American Orthopedic Society for Sports Medicine*, Calgary, Canada, July, 2007.

Peer Reviewed Abstracts/Posters

1. Gamsarian V, Mirle V, Tashjian M, Brusalis C, Yanke AB, Cole BJ, Verma NN, Nicholson G, Garigues GE, **Forsythe B**. Time to Achievement of Clinically Significant Outcomes Following Open Latarjet. AOSSM Annual Meeting. July 2024. Denver, CO.
2. Mirle V, Gamsarian V, Tashjian M, Brusalis C, Yanke AB, Cole BJ, Verma NN, Nicholson G, Garigues GE, **Forsythe B**. Time to Achievement of Clinically Significant Outcomes Following Revision Rotator Cuff Repair. AOSSM Annual Meeting. July 2024. Denver, CO.

3. Gaj E, Pagnotta SE, Criseo N, Maggioril A, Mirle V, Gamsarian V, **Forsythe B**, Giallorenzi MA, De Carli A. Subscapularis CT Evaluation in Patients following Treatment for Proximal Humerus Fractures: Reverse versus Anatomical Total Shoulder Arthroplasty. AOSSM Annual Meeting. July 2024. Denver, CO.
4. Gaj E, Pagnotta SE, Criseo N, Maggioril A, Mirle V, Gamsarian V, **Forsythe B**, Giallorenzi MA, De Carli A. Subscapularis Ultrasound Evaluation in Patients following Treatment for Proximal Humerus Fractures: Reverse versus Anatomical Total Shoulder Arthroplasty. AOSSM Annual Meeting. July 2024. Denver, CO.
5. Haneberg E, Phillips A, Danilkowicz R, Elias T, Wang Z, Verma NN, **Forsythe B**, Garrigues G, Yanke AB. A Prospective, Observational Study to Assess the Efficacy of BioEntesis in Patients Undergoing Arthroscopic Rotator Cuff Repair. AOSSM Annual Meeting. July 2024. Denver, CO.
6. Gamsarian V, Mirle V, Krishnan A, Brusalis C, Yanke AB, Cole BJ, Verma N, Nicholson G, Garigues GE, **Forsythe B**. Time to Achievement of Clinically Significant Outcomes Following Open Latarjet. AANA Annual Meeting, May 2024. Boston, MA.
7. Berlinberg E, Derry K, Patel H, Forlenza E, Mirle V, Gamsarian V, Chang JH, Mascarenas R, **Forsythe B**. Subacromial Decompression is Associated with a Reduction in Revision Rotator Cuff Repair: A Large Matched Cohort Insurance Database Analysis. AAOS Annual Meeting, February 2024, San Francisco, CA.
8. Gamsarian V, Krishnan A, Mirle V, Levine Z, Berlinberg EJ, Chahla J, Yanke AB, Cole B, Verma N, **Forsythe B**. Time to Achievement of Clinically Significant Outcomes Following Isolated Arthroscopic Meniscal Repair. AOSSM Annual Meeting 2023, July 2023, Washington, DC.
9. **Forsythe B**, Gamsarian V, Mirle V, Krishnan A, Levine Z, Giza E, Putukian M, Silvers H, Mandelbaum B. Hamstring Injuries in Major League Soccer: A 10-year Analysis of Injury Rate and Return to Play. AOSSM Annual Meeting 2023, July 2023, Washington, DC.
10. Berlinberg E, Derry K, Patel H, Forlenza E, Mirle V, Gamsarian V, Chang JH, Mascarenas R, **Forsythe B**. Subacromial Decompression is Associated with a Reduction in Revision Rotator Cuff Repair: A Large Matched Cohort Insurance Database Analysis. AOSSM Annual Meeting 2023, July 2023, Washington, DC.
11. Berlinberg EJ, Schlacter J, Chang JH, Mirle V, Gamsarian V, Forlenza E, Cole BJ, Verma NN, Chahla J, **Forsythe B**. Racial Disparities in Utilization and Perioperative Metrics in Rotator Cuff Repair in a US Inpatient Database. AOSSM Annual Meeting 2023, July 2023, Washington, DC.
12. **Forsythe B**, Berlinberg EJ, Gamsarian V, Patel H, Mirle V, Yanke AB, Chahla J, Verma N, Cole B. BMAC Augmentation of Allograft Anterior Cruciate Ligament Reconstruction Improves Patient Reported Outcomes in The Presence of Intra-Articular Pathology. AOSSM Annual Meeting 2023, July 2023, Washington, DC.
13. Lu Y, Berlinberg EJ, Patel HH, Rice M, Gamsarian V, Hevesi M, Yanke AB, Cole BJ, Verma N, **Forsythe B**. Unsupervised Machine Learning to Identify Clinically Meaningful Subgroups in Patients Undergoing Arthroscopic Rotator Cuff Repair. AOSSM Annual Meeting 2023, July 2023, Washington, DC.
14. Gamsarian V, Krishnan A, Mirle V, Levine Z, Berlinberg EJ, Patel HH, Chahla J, Yanke AB, Verma NN, Cole BJ, **Forsythe B**. Time to Achievement of Clinically Significant Outcomes Following Arthroscopic Meniscal Repair. AANA Annual Meeting. May 2023, New Orleans.
15. **Forsythe B**, Gamsarian V, Mirle V, Krishnan A, Levine Z, Giza E, Putukian M, Silvers H, Mandelbaum B. Hamstring Injuries in Major League Soccer: A 10-year Analysis of Injury Rate and Return to Play. Arthroscopy Association of North America Annual Meeting. May 2023, New Orleans.
16. **Forsythe B**, Mirle V, Levine Z, Gamsarian V, Krishnan A, Berlinberg E, Giza E, Putukian M, Silvers H, Mandelbaum B. Adductor Muscle Injury in Major League Soccer: A 10-year Analysis of Injury Rate and Return to Play. Arthroscopy Association of North America Annual Meeting. May 2023, New Orleans.
17. Lu Y, Berlinberg EJ, Patel HH, Rice M, Gamsarian V, Hevesi M, Yanke AB, Cole BJ, Verma NN, Chahla J, **Forsythe B**. Machine Learning Identifies Clinically Meaningful Groups in Patients Undergoing Rotator Cuff Repair. Arthroscopy Association of North America Annual Meeting. May 2023, New Orleans.
18. Berlinberg EJ, Schlacter J, Forlenza E, Mirle V, Gamsarian V, Cole BJ, Verma NN, Chahla J, **Forsythe B**. Racial Disparities in Utilization and Perioperative Metrics in Rotator Cuff Repair in a US Database. Arthroscopy Association of North America Annual Meeting. May 2023, New Orleans.

19. Berlinberg E, Derry K, Patel H, Forlenza E, Mirle V, Gamsarian V, Mascarenas R, **Forsythe B**. Subacromial Decompression Reduces Risk of Revision Rotator Cuff Repair: A Database Study. Arthroscopy Association of North America Annual Meeting. May 2023, New Orleans.
20. **Forsythe B**, Berlinberg EJ, Patel HH, Forlenza E, Mirle V, Gamsarian V, Okoroha K, Williams B, Yanke AB, Cole BJ, Verma NN. Postoperative Tendon Migration Correlates with Patient Reported Outcomes in Biceps Tenodesis. Arthroscopy Association of North America Annual Meeting. May 2023, New Orleans.
21. Repair of the Distal Biceps Tendon: A Systematic Review and Network Meta -Analysis of Biomechanical Performance. Enrico M. Forlenza MD, Ophelie Lavoie-Gagne MD, Kevin C. Parvaresh MD, Elyse J. Berlinberg BS, Avinesh Agarwalla MD, Brian Forsythe MD. AOSSM, Annual Meeting Colorado Springs, CO, 2022
22. No Difference in Clinical Outcomes for Arthroscopic Suprapectoral versus Open Subpectoral Bicep Tenodesis at 3-Year, Mid-Term Follow-up: A Randomized Prospective Analysis. **Forsythe, B**, Diaz, CC, Korrapati A, Agarwalla, A, Berlinberg, EJ, Cole, BJ, Cvetanovich, GL, Yanke, AB, Romeo, AA, Verma, NN. AOSSM, Annual Meeting Colorado Springs, CO, 2022
23. Variation in Postoperative Tendon Migration Does Not Result in Significant Differences in Patient Reported Outcomes in Patients Undergoing Arthroscopic or Open Biceps Tenodesis Using All-Suture Suture Anchor and Interference Screw. **Forsythe, B**, Berlinberg, EJ, Forlenza, EM, Patel, HH, Okoroha, KR, Williams, BT, Chahla, J, Yanke, AB, Cole, BJ, Verma, NN. V. AOSSM, Annual Meeting Colorado Springs, CO, 2022.
24. The Effect of Bone Marrow Aspirate Concentrate Augmentation on ACL Reconstruction Allograft Volume and PROMs. **Forsythe, B**, Chung, C, Statum, S, Berlinberg, EJ, Lavoie-Gagne, O, Patel, HH, Cole, B, Bach, BR, Chahla, J, Yanke, AB, Verma, NN. AOSSM, Annual Meeting Colorado Springs, CO, 2022
25. Performing Chondroplasty is Associated with Increased Rates of TKA In Patients with OA but Decreased Rates in Patients without OA: A Large Matched Insurance Database Cohort Analysis. Berlinberg, EJ, Patel, HH, Della Valle, C, Terhune, EB, Burnett, RA, Mascarenhas, R, **Forsythe, B**. AAOS Annual Meeting Chicago, IL, 2022.
26. Radiostereometric Analysis of Biceps Tenodesis: A Prospective Comparison of All-Suture Anchor vs. Interference Screw, Arthroscopic and Mini-Open Techniques. **Forsythe, B**, Forlenza, E, Okoroha, K, Williams, BT, Patel, HH, Chahla, JA, Yanke, AB, Cole, BJ, Verma, NN. AAOS Annual Meeting Chicago, IL, 2022.
27. Meniscal Injury Decreases Likelihood of High Achievement following Anterior Cruciate Ligament Reconstruction: A Machine Learning Clustering Analysis of Clinically Significant Outcomes. Lu, Y, Cohn, MR, Rea, PM, Berlinberg, EJ, Baker, JD, Yanke, AB, Verma, NN, Cole, BJ, **Forsythe, B**. AAOS Annual Meeting Chicago, IL, 2022.
28. Defining the Time Required to Achieve Clinically Significant Outcome Improvement after Total Shoulder Arthroplasty. Drager J, Polce EM, Fu MC, Huddleston HP, Williams BT, Garrigues GE, **Forsythe B**, Nicholson GP, Cole BJ, Verma NN. AAOS 2021 Annual Meeting, San Diego, CA
29. Performance Following High Ankle Sprain in National Football League Players from 2009-2010 to 2019-2020. American Academy of Orthopaedic Surgeons Annual Meeting. September 2021. San Diego, CA
30. Defining Maximum Outcome Improvement 1-year After Arthroscopic Rotator Cuff Repair. Edward Beck, Anirudh Gowd, Joseph Liu, Kristen Nicholson, Brian Waterman, **Brian Forsythe**, Anthony Romeo, Brian Cole, Nikhil Verma. Southern Orthopaedic Association's 37th Annual Meeting. July 2020. White Sulphur Springs, WV.
31. Big Data in Total Shoulder Arthroplasty: An In-Depth Comparison of National Outcomes Databases. Yining Lu, Zain M Khazi, Bhavik Patel, Avinesh Agarwalla, Jourdan Michael Cancienne, Brian C Werner, **Brian Forsythe**. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
32. Inpatient Admission following Anterior Cruciate Ligament Reconstruction is Associated with Higher Postoperative Complications: A Matched Cohort Analysis. Yining Lu, Zain M Khazi, Bhavik Patel, Alan G Shamrock, Randhir Mascarenhas, **Brian Forsythe**. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
33. Bone Marrow Aspirate Concentrate Augmentation for Anterior Cruciate Ligament Reconstruction: A Double Blinded Randomized Controlled Trial. **Forsythe B**, Patel B, Lu Y, Agarwalla A, Puzzitiello R, Yanke AB, Verma NN, Cole BJ, Chahla JA. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.

34. Anterior Cruciate Ligament Repair Outcomes: An Updated Systematic Review of Recent Literature. Nwachukwu BU, Patel B, Lu, Y **Forsythe B**, Allen AA, Williams RJ. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
35. Opioid Use Following Anatomic and Reverse Total Shoulder Arthroplasty: Risk Factors for Prolonged Use. Khazi ZM, Lu Y, Patel B, Cancienne J, Werner B, **Forsythe B**. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
36. Time Required to Achieve Clinically Significant Outcomes After Arthroscopic Rotator Cuff Repair. Manderle B, Gowd AK, Liu J, Beletsky A, Nicholson GP, Romeo AA, **Forsythe B**, Cole BJ, Verma NN. American Academy of Orthopaedic Surgeons Annual Meeting. March 2020. Orlando, FL.
37. Frank RM, Mascarenhas R, Haro M, Erickson BJ, Cvetanovich GL, **Forsythe B**, Verma NN, Cole BJ, Bush-Joseph CB, Bach BR Jr. Closure of Patellar Tendon Defect in Anterior Cruciate Ligament Reconstruction with Bone-Patellar Tendon-Bone Autograft: Systematic Review of Randomized Controlled Trials. (eposter-2014 AANA Annual Meeting. Hollywood, FL)
38. Saccomano M, Shin J, Mascarenhas R, Haro M, **Forsythe B**, Verma NN, Cole BJ, Bush-Joseph C, Bach BR Jr. Clinical and Functional Outcomes Following Anterior Cruciate Ligament Reconstruction Using Cortical Button Fixation Versus Transfemoral Suspensory Fixation: A Systematic Review (Epster-2014 AANA Annual Meeting. Hollywood, FL)
39. Manderle BJ, Gowd AK, Liu J, Beletsky A, Bush-Joseph CA, Cole BJ, **Forsythe B**, Nicholson GP. Time Required to Achieve Clinically Significant Outcomes After Arthroscopic Rotator Cuff Repair. Abstract accepted as poster presentation to AOSSM July 2019 in Boston, MA.
40. Okoroha K, Patel BH, Lu Y, Idarraga AJ, **Forsythe B**. Concussions in the National Basketball Association: An Analysis from 1999-2018. Abstract accepted as poster presentation to AOSSM July 2019 in Boston, MA. **AOSSM 2019 Poster Award Winner**.
41. Agarwalla A, Gowd AK, Liu JN, Puzzitiello RN, Yanke AB, Verma NN, **Forsythe B**. Risk Factors and 30-Day Complication Rates Following Medial Patellofemoral Ligament (MPFL) Reconstruction and Tibial Tubercle Osteotomy (TTO). American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. March 2019.
42. Agarwalla A, Gowd AK, Liu JN, Garcia GH, Bohl DD, Verma NN, **Forsythe B**. The Effect of Operative Time on Short-Term Adverse Events Following Isolated Anterior Cruciate Ligament Reconstruction. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. March 2019.
43. Liu JN, Agarwalla A, Gowd AK, Nicholson GP, Romeo AA, **Forsythe B**, Verma NN. Reverse Total Shoulder Arthroplasty for Proximal Humerus Fracture is Not a Typical DRG 484: A Propensity - matched Cohort Study. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. March 2019.
44. Agarwalla A, Puzzitiello RN, Liu JN, Cvetanovich GL, Gowd AK, Verma NN, Cole BJ, **Forsythe B**. Time-frame for Maximal Subjective Outcome Improvement Following Anterior Cruciate Ligament Reconstruction. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. March 2019.
45. Liu JN, Agarwalla A, Garcia GH, Christian DR, Redondo ML, **Forsythe B**, Yanke AB, Cole BJ. Return to Sport Following High Tibial Osteotomy. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. March 2019.
46. **Forsythe B**, Agarwalla A, Puzzitiello RN, Romeo AA, Mascarenhas R. The Timing of Injections Prior to Rotator Cuff Repair Impacts Risk of Surgical Site Infection. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. March 2019.
47. **Forsythe B**; Zuke, WA; Lansdown, DA; Verma, NN; Cole, BJ; Bach, BR; Nozomu, I. Dynamic 3D Mapping of the Isometric Anterior Cruciate Ligament Attachment Sites on the Tibia and Femur. Paper presentation at the American Academy of Orthopaedic Surgeons 2018 Annual Meeting. New Orleans, LA. March 2018.
48. Leroux, TS; Zuke, WA; Saltzman, BM; Verma, NN; Romeo, AA; Hurst, J; **Forsythe B**. Safety and Patient Satisfaction of Outpatient Shoulder Arthroplasty. ePoster presentation at the American Shoulder and Elbow Surgeons annual closed meeting. New Orleans, Louisiana, October 2017.
49. **Forsythe B**, Khair M, Collins M, Arns T, Inoue N, Bach BR, Verma NN, Cole BJ. Optimizing Femoral Tunnel Position with Flexible Curved Reamers for Anterior Cruciate Ligament Reconstruction. Presentation 224. Annual Meeting, AANA. Boston, April 14-16, 2016.

50. Collins M, Arns T, Leroux T, Black A, Mascarenhas R, Bach BR, **Forsythe B**. Growth Abnormalities Following Anterior Cruciate Ligament Reconstruction in the Skeletally Immature Patient: A Systematic Review. Presentation 284. Annual Meeting, AANA. Boston, April 14-16, 2016.
51. **Forsythe B**, Haro M, Collins M, Arns T, Verma N, Bach BR. Biomechanical Evaluation of Posterior Cruciate Ligament Reconstruction with Quadriceps versus Achilles Tendon Bone Block Allograft. Presentation 262. Annual Meeting, AANA. Boston, April 14-16, 2016.
52. **Forsythe B**, Collins M, Arns T, Black A, Tranovich M, Ward J, Bradley J. Application of a Beta-Tricalcium Phosphate(β -TCP) Graft to Diminish Harvest Site Morbidity in Bone-Patella Tendon-Bone Anterior Cruciate Ligament Reconstruction. Presentation 219. Annual Meeting, AANA. Boston, April 14-16, 2016.
53. Cole BJ, Fortier LA, Karas V, Hussey KE, Tilton AK, Merkow DB, Verma NN, Bach BR, **Forsythe B**. Hyaluronic Acid versus Platelet-Rich Plasma Double-Blind Randomized Controlled Trial Comparing Clinical Outcomes and Intra-Articular Biology for Treatment of Knee Arthritis. Presentation 22. Annual Meeting, AANA. Los Angeles, April 23-25, 2015.
54. Riboh J, Mascarenhas R, Haro M, Shin J, Ross A, Verma N, **Forsythe B**, Bach B. Are Standard Post-Operative Anteroposterior and Lateral Knee Radiographs Predictive of Anatomic Femoral Tunnel Placement in ACL Reconstruction? Presentation 1. Annual Meeting, AANA. Los Angeles, April 23-25, 2015.
55. Gupta AK, **Forsythe B**, Lee AS, Harris JD, McCormick FM, Abrams GD, Verma NN, Inoue N, Cole BJ. Topographic analysis of the glenoid and proximal medial tibial articular surfaces - A search for the ideal match for glenoid resurfacing. Poster Presentation at 2013 Annual AOSSM Meeting. August 9th, 2013. Presenter: Anil K. Gupta, MD, MBA
56. Gupta AK, Lee AS, **Forsythe B**, Harris JD, McCormick F, Abrams G, Verma N, Cole BJ, Inoue N. Topographic analysis of the glenoid and proximal medial tibial articular surfaces: A search for the ideal match for glenoid resurfacing. Poster presentation. AOA Annual Meeting. Denver, June 7, 2013. Presenter: Anil K. Gupta, MD, MBA
57. Lee AS, Karas V, Riccio ML, Yanke AB, **Forsythe B**, Nho SJ, Verma NN, Bush-Joseph CA, Bach BR, Cole BJ, MD. Surgeon Reliability in Calcified Cartilage Layer Removal: Open Versus Arthroscopic Technique. AOSSM Baltimore, MD, 7/12/12. (Poster 10899)
58. Kopf S., **Forsythe B.**, Wong A., Martins C., Tashman S., Anderst W., Irrgang J., Fu F. Transtibial ACL reconstruction technique fails to position drill tunnels anatomically. European Society of Sports Traumatology, Knee Surgery, and Arthroscopy. 14th ESSKA Congress. June 9-12, 2010. Oslo/Norway. #P13-816
59. Henry S, Mascarenhas R, **Forsythe B**, Irrgang JJ, Harner CD: The relationship between medial meniscus tear morphology and chondral changes within medial and lateral compartments of the knee. American Orthopedic Society for Sports Medicine, Orlando, 2008. Poster #9.
60. Kropf E, **Forsythe B**, Irrgang JJ, Harner CD: Revision vs. Primary Single Bundle Anterior Cruciate Ligament Reconstruction: A Case Control Study. American Academy of Orthopedic Surgery. San Francisco, 2008.
61. **Forsythe B**, Guss D, Anthony S, Martin SD: Concomitant Arthroscopic SLAP Lesion and Rotator Cuff Repair versus Isolated Rotator Cuff Repair: A Retrospective Analysis. American Academy of Orthopedic Surgery. Poster 443. San Francisco, 2008.
62. **Forsythe B**; Gobeze R; Tsaniklides N; Warner JP. Salvage of Acromionectomy and Deltoid Insufficiency with Iliac Crest Graft and Deltoid Reconstruction. American Academy of Orthopedic Surgery. Chicago, 2006. Poster P344.

REGIONAL

Podium Presentations

1. Berlinberg, EJ, Lavoie-Gagne, OZ, Schlacter, J, Patel, HH, **Forsythe, B**, Tanaka, MJ, Fury, M. Longer Time to Anterior Cruciate Ligament Reconstruction is Associated with Greater Incidence of Medial Meniscus and Cartilage Injury but No Difference in Outcomes: A Systematic Review and Multiple Meta-Regression. Orthopaedic Research and Education Foundation 2023 Northeast Region Resident Research Symposium, October 2023, Boston, MA.
2. **Forsythe B**. Revision ACL Reconstruction and Lateral Extra-Articular tenodesis. 10th Annual Dr. Gunnar B.J. Andersson Lecture. Chicago, Illinois. 2021.

3. Obioha O, **Forsythe B**. Infection status post ACL reconstruction. 10th Annual Dr. Gunnar B.J. Andersson Lecture. Chicago, Illinois. 2021.
4. Cregar W, **Forsythe B**. ACL slope correcting osteotomy. 10th Annual Dr. Gunnar B.J. Andersson Lecture. Chicago, Illinois. 2021.
5. Zuke WA, **Forsythe B**, Leroux TS, Risk Factors for Readmission and Complications within Thirty Days of Total Shoulder Arthroplasty: Inconsistencies among Studies Using the NSQIP Database. Ohio Shoulder and Elbow Society, Cleveland, IL, February 2019
6. **Forsythe B**, Moderator, Chicago Sports Summit. Chicago, IL, October 2018
7. **Forsythe B**, ACL Anatomy and Portal Drilling. Chicago Sports Medicine Symposium. Chicago, IL, September 2018
8. **Forsythe B**, Ramirez M, Debate: Open vs Arthroscopic Rotator Cuff Repair, Chicago Orthopedic Symposium Chicago, IL, August 2018
9. **Forsythe B**, Agarwalla A, Puzzitiello RN. My ACL: From Cadaver to Camera. Elsevier's Innovative Techniques: Knee, Hip, and Shoulder Course. Las Vegas, NV. October 2017.
10. **Forsythe B**, Agarwalla A, Puzzitiello RN. ACL Anatomy and Isometry. Foundation for Orthopaedic Research and Education: Sports Medicine Symposium. Chicago, IL. August 2017.
11. **Forsythe B**, Puzzitiello, R.P. ACL Anatomy and Isometry. Oral Presentation presented at: Chicago Sports Medicine Symposium; Chicago, IL, USA. August 2017.
12. **Forsythe B**, Agarwalla A, Puzzitiello RN. My ACL: From Cadaver to Camera. Foundation for Orthopaedic Research and Education: Sports Medicine Symposium. Chicago, IL. August 2017.
13. **Forsythe B**, Nho SJ, Rodarte R. Current Trends in Management of Rotator Cuff Pathology. *Nova Care Case Managers Symposium*. U.S. Cellular Field/Chicago White Sox. Chicago, IL. November 15th, 2012.
14. **Forsythe B**. New Vision and Interventions in Orthopedic Care for the Shoulder. *Elmhurst Hospital*. Elmhurst, IL, November 7th, 2012.
15. **Forsythe B**. Management of Distal Biceps Tendon Disease. *Orthocentrix Solutions Spring Seminar*. Oak Brook, IL. May 24th, 2012.
16. **Forsythe B**, Nicholson G. Understanding and Addressing Chronic Shoulder Pain. *Central Dupage Hospital*. Winfield, IL, October 30th, 2012.
17. **Forsythe B**. Current Trends in Management of Rotator Cuff Pathology. Webinar, Nova Care Case Managers Symposium, June 25th, 2012.
18. **Forsythe B**. Current Concepts in Treatment of Acromioclavicular Joint Injuries and Clavicle Fractures. *Diamond Mark Presentation*. OAK Brook, IL, June 21st, 2012.
19. **Forsythe B**. Current management of Clavicle Fractures and Acromioclavicular Ligament Reconstruction. *Athletico Case Managers Symposium*. OAK Brook, IL, June 21st, 2012.
20. **Forsythe B**. Clavicle Fractures: Operative Indications and Surgical Fixation Options. *Midwestern University Department of Orthopedics*. Chicago, IL. February 22, 2011.
21. **Forsythe B**. Current concepts in ACL Reconstruction. *ATI Physical Therapy Lecture Series*. New Lennox IL. February 17th, 2010.

Other Peer Reviewed Abstracts/Posters

1. Rea, PM, Lu, Y, Berlinberg, EJ, Patel, HP, Cohn, MR, Baker, J, Verma, NN, Cole, BJ, **Forsythe, B**. Predicting High Achievers after Anterior Cruciate Ligament Reconstruction: A Machine Learning Clustering Analysis of Clinically Significant Outcomes. Poster Presentation at Medical Student Orthopaedic Symposium, online.
2. Rea, PM, Lu, Y, Berlinberg, EJ, Patel, HP, Cohn, MR, Baker, J, Verma, NN, Cole, BJ, **Forsythe, B**. Predicting High Achievers after Anterior Cruciate Ligament Reconstruction: A Machine Learning Clustering Analysis of Clinically Significant Outcomes. Poster Presentation at Rush Medical Student Poster Day, November 2021, Chicago, IL. 2nd place winner, best clinical research poster.
3. Puzzitiello, R.P., Agarwalla, A, Romeo, A, Yanke, A, Cole, B, Verma, N, **Forsythe B**. (March, 2018). Establishing Maximal Medical Improvement after Total Shoulder Arthroplasty Poster presented at: Rush University Forum for Research and Clinical Investigation; Chicago, IL, USA.
4. Agarwalla, A, Puzzitiello, R.N., Romeo, A, Mascarennas, R, **Forsythe B**. (March, 2017). The Timing of Intraarticular Injections Prior to Rotator Cuff Repair Impacts the Risk of Surgical Site Infection Poster presented at: Rush University Forum for Research and Clinical Investigation; Chicago, IL, USA

5. Christian DR, Wang KC, Agarwalla A, Redondo ML, Beer AJ, **Forsythe B**, Verma NN, Cole BJ. Impact of Depression, Anxiety, and/or Mania on Functional Outcomes After Simple Meniscectomy. Rush University Forum for Research and Clinical Investigations. Chicago, IL. March 2018.
6. Agarwalla A, Puzzitiello RN, Liu JN, Cvetanovich GL, Verma NN, Cole BJ, **Forsythe B**. Establishing Maximal Medical Improvement Following Anterior Cruciate Ligament Reconstruction. Rush University Sports Medicine Conference. Chicago, IL. February 2018.
7. Agarwalla A, Puzzitiello RN, Mascarenhas R, Sumner S, Verma NN, Romeo AA, **Forsythe B**. The Timing of Shoulder Injections Prior to Rotator Cuff Repair Impacts the Risk of Surgical Site Infection. Rush University Forum for Research and Clinical Investigations. Chicago, IL. March 2018.
8. Puzzitiello RN, Agarwalla A, Liu JN, Cvetanovich GL, Romeo AA, **Forsythe B**, Verma NN. Establishing Maximal Medical Improvement After Anatomic Total Shoulder Arthroplasty. Rush University Forum for Research and Clinical Investigations. Chicago, IL. March 2018.
9. **Forsythe B**. Management of Irreparable Rotator Cuff Tears. *Rush Fellows Conference*. Chicago, IL. January 13, 2014.
10. Frank RM, Lundberg HJ, Trombley R, Wimmer MA, **Forsythe B**, Bush-Joseph CA, Bach BR, Verma NN, Cole BJ. Hamstring Activity in the ACL Injured Patient: Injury Implications and Comparison to Quadriceps Abstract. PAPER #: 170. Annual Orthopedic Research Society (ORS) Meeting. New Orleans, LA. March 2014.
11. Trella KJ, Shewman EF, Tenuto F, McCormick F, Ellman M, Verma N, Bach BR, **Forsythe B**. Biomechanical Evaluation of Posterior Cruciate Ligament Reconstruction with Quadriceps vs. Achilles Tendon-Bone Block Allograft. Annual Orthopedic Research Society (ORS) Meeting. New Orleans, LA. March 2010.
12. Kopf S, **Forsythe B**, Wong A, Martins C, Tashman S, Anderst W, Fu F. Transtibial ACL reconstruction technique fails to position drill tunnels anatomically. Orthopaedic Research Society. New Orleans, LA. March 2010
13. Kopf S, Wong A, **Forsythe B**, Tashman S, Anderst W, Fu FH. Where Have All the Tunnels Gone? Non-anatomical tunnel position in Transtibial Anterior Cruciate Ligament Reconstruction Evaluated by Three-Dimensional Computed Tomography. Pittsburgh Orthopaedic Journal. Volume 20. Page 102. 2009.
14. **Forsythe B**, Kopf S, Wong A, Martins CAQ, Anderst W, Tashman S, Fu FH. The Location of Femoral and Tibial Tunnels of Anatomic Double Bundle Anterior Cruciate Ligament Reconstruction Analyzed by Three-Dimensional Computed Tomography Reconstructions. Pittsburgh Orthopaedic Journal. Volume 20. Page 101. 2009.
15. Kropf EJ, **Forsythe B**, Tranovich M, Baker III CL, Irgang JJ, Harner CD. Revision versus primary single bundle anterior cruciate ligament reconstruction: A matched pairs case control study. Pittsburgh Orthopaedic Journal. Volume 19. 2008.
16. Goyal K, **Forsythe B**, Costanzo J, Muriuki M, Zhang X, Harner CD: The Effect of Lateral Meniscus Tear Morphology on Knee Joint Kinematics and Contact Pressures. Orthopedic Research Society. Las Vegas. 2009. Poster 1190.
17. Chen, F; **Forsythe B**; Lee, S J; Yoo, J J; Murray, M M. The Effect of Thrombin on ACL Cell Migration, Proliferation, and Collagen Production. Orthopedic Research Society. Washington D.C., 2005. Poster 0827.
18. Presenter: Hsu A. Moderator: **Forsythe B**. Management of Femoral Shaft Fractures. *Rush Residents Conference*. Chicago, IL, November 11th, 2013.
19. **Forsythe B**. Management of Multi-Ligamentous knee injuries. *Rush Sports Medicine Conference*. Chicago, IL, January 28, 2013.
20. **Forsythe B**. Management of Multi-Ligamentous Knee Injuries. *Athletico Physical Therapy*. Westchester, IL. January 15th, 2013.
21. Moderator: **Brian Forsythe, MD**. Presenter: Jonathan Frank, MD. A 21 year old with shoulder pain: Comprehensive treatment with a Latarjet Transfer Procedure. *Rush University Medical Center, Orthopaedic Grand Rounds*. Chicago, IL, November 14th, 2012.
22. **Forsythe B**. Examination of the Unstable Knee & Treatment of Patellofemoral Instability. *Rush Sports Medicine Conference*. Chicago, IL, November 12th, 2012.
23. **Forsythe B**. Shoulder Injuries in Golf: A Brief Review. *Midwest Golf House*, Lemont, IL, October 27th, 2012.

24. **Forsythe B**, Mjaanes J, Nho SJ, Wysocki R, Hillenmeyer H. Youth Sports Injuries: Prevention is the name of the Game. *Naperville North High School*, Naperville IL. September 26th 2012.
25. **Forsythe B**. Acromioclavicular joint injuries and Clavicle Fractures. *Rush Sports Medicine Conference*. Chicago, IL, September 9th, 2012.
26. **Forsythe B**. Examination of the Unstable Knee & Treatment of Patellofemoral Instability. *Accelerated Physical Therapy In-service*. Oak Park, IL, August 29th, 2012.
27. **Forsythe B**. Physical Examination of the Shoulder. *Rush Sports Medicine Conference*. Chicago, IL, August 13th 2012.
28. **Forsythe B**. Shoulder Instability in Throwing Athletes: Pathogenesis, Diagnosis & Treatment. *Accelerated Physical Therapy*, Downer's Grove, IL. February 7th, 2012.
29. **Forsythe B**. Throwing Athlete Shoulder Injuries: Prevention, Diagnosis, and Treatment. *ATI Physical Therapy*. Bolingbrook, IL. February 2nd, 2012.
30. **Forsythe B**. Shoulder Instability in Throwing Athletes: Pathogenesis, Diagnosis & Treatment. *Athletico Physical Therapy*. Westchester, IL. January 8th, 2012.
31. **Forsythe B**. Open Inferior Capsular Shift for Multidirectional Instability following failed arthroscopic plication. *Rush Sports Medicine Conference*. Chicago, IL. June 20, 2011.
32. **Forsythe B**. Modified Tibia Tubercle Osteotomy for Patellofemoral Instability with congenital patellar and trochlear hypoplasia. *Rush Sports Medicine Conference*. Chicago, IL. June 20, 2011.
33. **Forsythe B**. Surgical Management of a Multi-Ligament Knee Injury. *Rush Sports Medicine Conference*. Chicago, IL. June 13, 2011.
34. **Forsythe B**. Current concepts in ACL Reconstruction: Augmentation, Single and Double-Bundle Techniques. *Athletico University Lecture Series*. Bourbonnais, IL. February 2009.
35. **Forsythe B**. Fellows Case Presentation: Treatment of Olecranon Apophysitis and a Medial Epicondylar fibrous union in a collegiate pitcher. *UPMC Center for Sports Medicine. Sports Medicine Conference*. Pittsburgh, January 2008.
36. Bradley, JP. **Forsythe B**. Adolescent Throwing Athletes: Injury Prevention and Treatment. *Drayer Physical Therapy Institute*. Pittsburgh, January 2008.
37. **Forsythe B**. Fellows Case Presentation: Treatment of Clavicle Fractures. *UPMC Center for Sports Medicine Conference*. Pittsburgh, April 2008.
38. **Forsythe B**. Fellows Case Presentation: Treatment of a Wrisberg Variant Discoid Meniscus in a 12 year old girl. *UPMC Center for Sports Medicine. Sports Medicine Conference*. Pittsburgh, September 2007.

National Conferences Attended

2024	AANA, Boston, MA
2024	AOSSM Annual Meeting, Denver, CO
2024	Arthritis Foundation/AOSSM Glenohumeral OAThink Tank, Moderator
2024	OSET Annual Meeting, Las Vegas, NV
2023	ASES, Annual Meeting, Scottsdale, AZ
2023	AOSSM, Annual Meeting, Washington, DC
2023	ISAKOS Congress, Boston, MA
2022	AOSSM, Annual Meeting, Colorado Springs, CO
2022	AANA, Annual Meeting, San Francisco, CA
2022	AAOS, Annual Meeting, Chicago, IL
2021	AOSSM-AANA Combined Meeting, Nashville, TN
2021	ASES, Virtual Specialty Day Meeting
2020	AAOS, Virtual Meeting, Orlando, FL
2020	AANA, Virtual Meeting, Grapevine, TX
2020	AOSSM, Virtual Meeting, Seattle, WA
2020	ASES, Virtual Meeting, NYC, NY
2019	ASES, Annual Meeting, NYC, NY
2019	Chicago Sports Summit, Chicago, IL
2019	AOSSM, State of the Art Soccer Medicine, Miami Beach, FL
2019	AOSSM, Annual Meeting, Boston, MA
2019	AANA, Annual Meeting, Orlando, FL
2019	AAOS, Annual Meeting, Las Vegas, NV

2018	AAOS, Annual Meeting, New Orleans, LA
2018	AANA, Annual Meeting, Boston, MA
2018	AOSSM, Annual Meeting, San Diego, CA
2018	ASES, Annual Meeting, Chicago, Illinois
2017	AAOS, Annual Meeting, San Diego, CA
2017	AANA, Annual Meeting, Denver, CO
2017	AOSSM, Annual Meeting, Toronto, ON
2016	AAOS, Annual Meeting, Orlando, FL
2015	AAOS, Annual Meeting, Las Vegas, NV
2015	AANA, Annual Meeting, Los Angeles, CA
2014	AAOS, Annual Meeting, New Orleans, LA
2014	AANA, Annual Meeting, New Orleans, LA
2014	AOSSM, Annual Meeting, Hollywood, FL
2014	AAOS, Annual Meeting, Chicago, IL
2013	AAOS, Annual Meeting, San Antonio, TX
2013	AOSSM, Annual Meeting, Chicago, IL
2012	AAOS, Annual Meeting, San Francisco, CA
2011	AOSSM, Annual Meeting, San Diego, CA
2011	AAOS, Annual Meeting, San Diego, CA
2010	AAOS, Annual Meeting, New Orleans, LA
2009	AOSSM, Annual Meeting, Keystone, CO
2009	AAOS, Annual Meeting, Las Vegas, NV
2008	AOSSM, Annual Meeting, Orlando, FL
2008	Panther Global Summit, Pittsburgh, PA
2008	AAOS Annual Meeting, San Francisco, CA
2007	AOSSM Annual Meeting, Calgary, CA

International Conferences Attended

February 2024	ACL Study Group, Niseko, Japan
February 2023	ACL Study Group, St.Kitts and Nevis
September 2022	16 th International Congress of Arthroscopy, Buenos Ares, Argentina

Funding History of Peer-Reviewed Grants (Federal, Professional Foundations) including type of the grant, role on the project, name of the agency, dollar amount, duration

1. In vitro Analysis of Joint Contact and Kinematic Changes Associated with Clinically Relevant Lateral Meniscus Tears.
Principal Investigator: **Forsythe B**, Martin D, Zhang X. Ref #M 2008-0060. *The Albert B. Ferguson, Jr. M.D. Orthopaedic Fund.* ed: \$5,000. (2008)
2. The effect of thrombin on ACL fibroblast interactions with collagen hydrogels
Co-Principal Investigator: **Forsythe B**. *National Institute of Arthritis and Musculoskeletal and Skin Diseases, grant number K02 AR049346-02*, National Institute of Arthritis and Musculoskeletal and Skin Diseases \$10,000 (2005)
3. Are Preoperative Deltoid Muscle Activation Levels as Measured by Electromyography Predictive of Postoperative Clinical Outcomes after Reverse Total Shoulder Arthroplasty?
Principal Investigator: **Forsythe B**. *Multipurpose Resident Grants*, Mid-America Orthopaedic Association, RTSA, \$10,000. (2016-2017)
4. Wear and Corrosion in Shoulder Replacements: Device and Tissue Retrieval Analysis
Co-Principal Investigator: **Forsythe B**. *Markus Wimmer Grant*, Rush Medical Center \$10,000, (2017-2018)

Funding History of Industry Support

Current

- Biologic Augmentation with Mesenchymal Stem Cells in Anterior Cruciate Ligament Reconstruction. Principal Investigator: **Forsythe B** *Allosource* (pending, 2022)
- Biomechanical Evaluation of the Optimal Lateral Row Anchor Position in Rotator Cuff Repair, Principal Investigator: **Forsythe B** *Stryker Corporation* \$125,000 (2019)
- Biomechanical Performance of a Curved Suture Passer Needle Versus a Flexible Straight Needle Principal Investigator: **Forsythe B** *Stryker Corporation* \$30,000 (2019)

Past

- Drilling with Flexible and Straight Reamers in Anterior Cruciate Ligament Reconstruction: A Cadaveric 3-Dimensional Computed Tomography Analysis Principal Investigator: **Forsythe B** *Stryker Corporation* \$10,000 - \$12,000 (2016-17).
- Application of a Beta-Tricalcium Phosphate Graft to Minimize Bony Defect in Bone-Patella Tendon-Bone Anterior Cruciate Ligament Reconstruction Principal Investigator: **Forsythe B** *Arthrex Grant* \$500-\$1,500 (2017-2018)
- Autologous Bone Marrow Aspirate Concentrate in Patients Undergoing Anterior Cruciate Ligament Reconstruction. Principal Investigator: **Forsythe B** *Arthrex Inc.* \$10,000 (2016-2017)

BIBLIOGRAPHY (numbered in reverse chronology starting with the most recent one)

Original full-length manuscripts (published, in press, or submitted)

1. **Forsythe, B**, Berlinberg, EJ, Khazi-Syed, D, Patel, HH, Forlenza, EF, Okoroha, KR, Williams, BT, Yanke, AB, Cole, BJ, Verma, NN. Greater Postoperative Biceps Tendon Migration Following Arthroscopic Suprapectoral or Open Subpectoral Biceps Tenodesis Correlates with Lower Patient Reported Outcomes Scores. Accepted by Arthroscopy, July 2024.
2. **Forsythe B**, Patel HH, Berlinberg EJ, Forlenza EM, Okoroha KR, Williams BT, Yanke AB, Cole BJ, Verma NN. A Radiostereometric Analysis of Tendon Migration After Arthroscopic and Mini-Open Biceps Tenodesis: Interference Screw Versus Single Suture Anchor Fixation. *Am J Sports Med.* 2023 Aug 7;3635465231187030. doi: 10.1177/03635465231187030. Epub ahead of print. PMID: 37548005.
3. **Forsythe B**, Mirle, V, Gamsarian V, Brockmeier S, Reider B. VJSM Editorial: Application of Levels of Evidence to Video Journal Publications. *Video Journal of Sports Medicine.* 2023
4. Ifearulundu I, Gamsarian V, Berlinberg EJ, Obioha OA, Mirle V, **Forsythe B**. Management of ACL Reconstruction Complicated by MRSA Osteomyelitis Requiring a Gastrocnemius Perforator Flap: A Case Report. *JBJS Case Connect.* 2023 Aug 9;13(3). doi: 10.2106/JBJS.CC.23.00114. PMID: 37556578.
5. **Forsythe B**, Mirle, V, Morgan, V, Gamsarian, V, et al. Arthroscopic Decompression of a Popliteal Cyst: A Technique Video. Accepted to Video Journal of Sports Medicine.
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