

## Brian Forsythe, M.D.

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### CERTIFICATION

**American Board of Orthopaedic Surgery**  
Certified, 7/21-2011, expires 12/31/2021

### ACADEMIC APPOINTMENT

**Assistant Professor**  
Department of Orthopaedics  
Division of Sports Medicine  
Midwest Orthopaedics at Rush  
**Rush University Medical Center**

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### EDUCATION

<b>Orthopedic Shoulder &amp; Sports Medicine Fellowship</b>	2007-2008	<b>UPMC Center for Sports Medicine</b> University of Pittsburgh Fellowship Director: Christopher D. Harner, MD Pittsburgh, Pennsylvania
<b>Orthopedic Surgery Residency</b>	2003-2007	<b>Harvard Combined Orthopedic Residency</b> Massachusetts General Hospital Program Director: James Herndon, MD Boston, Massachusetts
<b>General Surgery Internship</b>	2002-2003	<b>Beth-Israel Deaconess Medical Center</b> Internship Director: Josef E. Fischer, MD Department of General Surgery Boston, Massachusetts
<b>Doctor of Medicine</b>	1998-2002	<b>University of Pennsylvania School of Medicine</b> Philadelphia, Pennsylvania
<b>B.A. Public Policy &amp; American Institutions</b>	1994-1998	<b>Brown University</b> Providence, Rhode Island
<b>High School</b>	1990-1994	<b>Wellesley High School</b> Wellesley, Massachusetts

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### LICENSURE

**Illinois Licensed Physician & Surgeon**  
#036120879, expires 7/31/2014  
**Commonwealth of Massachusetts**  
Full License # 227698, expires 5/15/2013  
Advanced Trauma Life Support, 2002

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### STAFF APPOINTMENTS

2012-  
Rush University Medical Center, Chicago IL  
Rush Oak Park Hospital  
Central DuPage Hospital, Winfield, IL  
Elmhurst Hospital, Elmhurst IL

2010-2011 Silver Cross, Joliet, IL  
2008-2011 OAK Orthopedics, Bradley, IL  
Riverside Hospital, St Mary's, Kankakee IL  
2007-2008 UPMC Medical Center, Pittsburgh, PA  
2002-2007 Harvard Medical School, Boston, MA

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## CAREER OBJECTIVES

Sports Medicine and Shoulder Surgery  
Research and Teaching  
Team Physician

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## HONORS

2002 **Ghordon Rhode Dewart Fellowship**  
Awarded to the outstanding humanities major pursuing a career in medicine  
Brown University

1998-2002 **Academic Scholarship**  
University of Pennsylvania School of Medicine

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## ACADEMIC JOURNAL APPOINTMENTS

9/2008-present **American Journal of Sports Medicine**  
Principal Reviewer

10/2009-present **Arthroscopy: The Journal of Arthroscopy and Related Surgery**  
Reviewer

11/2012-present **Orthopedics**  
Reviewer

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## RESEARCH ACTIVITIES

2013-present **Arthroscopic Suprapec vs. Open Subpec Arthroscopic Biceps Tenodesis for Anterior Shoulder Pain**  
ORA# :13081402.  
Adam Yanke, MD, Randy Mascarenhas, MD, Rachel Frank, MD, Anthony Romeo, MD, Brian Forsythe, MD, Nikihl Verma, MD.

2013-present **Low-grade infection as cause of Post-Operative Pain & Stiffness in Revision Shoulder Surgery**  
Rachel Frank, MD, Peter Chalmers, MD, Anthony Romeo, MD, Nikhil Verma, MD, Brian Cole, MD, Gregory Nicholson, MD, Brian Forsythe, MD.

2013-present **Knee Cartilage Lesion Study: Minimal Clinically Important Difference (MCID) and PASS study.**  
IRB 11102711 approved  
Jas Chahal, MD, Jack Farr, MD, Geoffrey VanThiel, MD, Nathan Mall, MD, Nikhil Verma, MD, Brian Forsythe, MD, Brian Cole, MD.

- 2013-present **Proximal Humerus PEEK implant study: Evaluation of Stress Risers during Biceps Tenodesis**  
Ben Bruce, MD, Randy Mascarenhas, MD, Brian Forsythe, MD, Nikhil Verma, MD, Brian Cole, MD, Anthony Romeo, MD.
- 2013-present **Distal Femoral Osteotomy vs Tibia Tubercle Osteotomy: Influence on TT-TG distance and patellofemoral stability**  
Adam Yanke, MD, Nikhil Verma, MD, Brian Cole, MD, Brian Forsythe, MD.
- 2012-present **Crossfit Epidemiological Study of Injury Patterns**  
IRB 12121003; approved  
Joshua Harris, MD, Brian Cole, MD, Anthony Romeo, MD, Nikhil Verma, MD, Brian Forsythe, MD.
- 2011-present **Optimization of PCL footprint coverage with Bone Block Achilles Tendon Allograft: A kinematic and topographical analysis of Inlay vs. Soft Tissue techniques**  
IRB, 12042403; exempt  
Brian Forsythe, MD, Nikhil Verma, MD, Bernard Bach, MD  
Midwest Orthopaedics at Rush University, Chicago IL
- 2012-present **Distal Femoral Condyle Mapping for optimization of OATS**  
IRB 12090301 exempt approved  
Brian Forsythe, MD, Nikhil Verma, MD  
Midwest Orthopaedics at Rush University, Chicago IL
- 2012-present **Radiographic Analysis of ACL Femoral Tunnel Placement**  
ORA#12100103, exempt  
Brian Forsythe, MD, Brian Cole, MD, Nikhil Verma, MD, Bernard Bach, MD
- 2012-present **Hamstring Activity in ACL injured Patients: An EMG analysis.**  
IRB approved, ORA 08092602  
Nikhil Verma, MD, Rachel Frank, MD, Brian Cole, MD, Bernard Bach, MD
- 2012-present **Utilization of Healicoil Anchors for Rotator Cuff Repair**  
IRB 12062003 approved  
Geoffrey Van Thiel, MD, Brian Forsythe, MD, Nikhil Verma, MD, Brian Cole, MD
- 2012-present **Hylauronic Acid vs. ACP for treatment of Knee Osteoarthritis**  
IRB 10012103  
Nikhil Verma, MD, Brian Forsythe, MD, Bernard Bach, MD, Brian Cole, MD
- 2012-present **Hylauronic Acid vs. ACP for treatment of Shoulder Osteoarthritis**  
Nikhil Verma, MD, Brian Forsythe, MD, Anthony Romeo, MD, Brian Cole, MD
- 2012-present **ELISA test of synovial fluid for OA- Shoulder vs. Knees**  
Anthony Romeo, MD, Brian Forsythe, MD, Nikhil Verma, MD, Brian Cole, MD
- 2012-present **Patellofemoral Resurfacing Clinical Outcomes Study**  
IRB 12090801  
Anil Gupta, MD, Rachel Frank, MD, Brian Forsythe, MD, Nikhil Verma, MD

- 2008-present **Application of a Beta-Tricalcium Phosphate ( $\beta$ -TCP) Graft to Diminish Harvest Site Morbidity in Autograft Bone-Patellar-Bone ACL Reconstruction**  
James P Bradley, MD  
UPMC Sports Medicine Center, Pittsburgh PA
- 2007-present **Anatomical Single and Double Bundle ACL Reconstruction**  
Freddy Fu, MD  
UPMC Sports Medicine Center, Pittsburgh PA
- 2007-2008 **The Relationship of Meniscal Tears to Articular Cartilage Pathology in the Knee: A Biomechanical and Contact Pressure Analysis**  
Knee Biomechanics Laboratory  
Christopher D Harner, MD  
UPMC Sports Medicine Center, Pittsburgh PA
- 2007-present **Clinical Case Reports:** Manuscripts Completed, Submitted, in Revision  
Christopher D Harner, MD & Randy Mascarenhas, MD  
1) ACL Reconstruction in a patient with Fibular Hemimelia  
2) Posterolateral Corner Repair in a 12 year old boy  
3) Allograft ACL Reconstruction Augmentation: Extra-Articular Iliotibial Band Tenodesis
- 2003-present **Ankle Range of Motion in Professional Male and Female Soccer Players**  
Bertram Zarins, MD  
New England Revolution (Major League Soccer,) Boston Breakers (WUSA.)  
Massachusetts General Hospital, Boston MA
- 2007- 2009 **Concomitant Arthroscopic SLAP and Rotator Cuff Repair**  
Scott D Martin, MD  
Brigham and Women's Hospital, Boston MA
- 2005- 2007 **Open versus Arthroscopic Distal Clavicle Excision: A Prospective Randomized Study of Functional Outcome and Cost-Effectiveness**  
Jon JP Warner, MD  
Massachusetts General Hospital, Boston MA
- 2005- 2007 **Does Virtual Reality Simulator Training Improve Shoulder Arthroscopy Skills in Orthopedic Surgical Residents?**  
Jon JP Warner, MD  
Massachusetts General Hospital, Boston MA
- 2006-2007 **Salvage of Acromionectomy & Deltoid Insufficiency with Iliac Crest Graft & Deltoid Reconstruction**  
Jon JP Warner, MD  
Massachusetts General Hospital, Boston MA
- 2001-2002 **Optimization of a Fibrin Blood Clot Substitute for ACL Repair**  
Martha Murray, MD, Myron Spector, PhD  
Department of Orthopedic Surgery  
Boston Children's Hospital, Brigham & Women's Hospital, Boston MA
- 1999 **Treatment of Osteomyelitis in Total Hip Arthroplasty**  
Robert H Fitzgerald, MD

Department of Orthopedic Surgery, Hospital of the University of Pennsylvania,  
Philadelphia PA

1996, 1997      **Construction of a Recombinant HLH transcription factor, E12 cys-ala**

Robert Benezra, PhD, Professor of Cell Biology  
Memorial Sloan-Kettering Cancer Institute, Department of Cell Biology  
Cornell Graduate School of Medical Sciences, New York City NY

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## **PUBLICATIONS & MANUSCRIPTS**

**Forsythe B.** Lou J. States L. Guttenberg M. Dormans JP. Painless ankle mass in a 12-year-old boy. *Clinical Orthopaedics & Related Research.* (422):263-9, 2004 May.

Murray MM. **Forsythe B.** Chen F. Lee SJ. Yoo JJ. Atala A. Steinert A. The effect of thrombin on ACL fibroblast interactions with collagen hydrogels. *Journal of Orthopaedic Research.* 24(3):508-15, 2006 Mar. **[Research Support, N.I.H.]**

**Forsythe B;** Lavery, K; Warner JP. Acromionectomy and deltoid deficiency: a solution. *Clin Orthop Relat Res.* 2009 May; 467(5):1334-40. Epub 2008 Nov 27.

Gomoll A; Pappas, G, **Forsythe, B;** Warner JP. Individual Skill Progression on a Virtual Reality Simulator for Shoulder Arthroscopy - A 3-Year Follow-up Study. *American Journal of Sports Medicine.* 36(6):1139-42, 2008 Jun.

**Forsythe B,** Guss D, Anthony S, Martin SD: Concomitant Arthroscopic SLAP and Rotator Cuff Repair. *J Bone Joint Surg Am.* 2010 Jun;92(6):1362-9.

Tjoumakaris FP, **Forsythe B,** Bradley JP: Patellofemoral Instability in Athletes: Treatment via Modified Fulkerson Osteotomy and Lateral Release. *American Journal of Sports Medicine.* Am J Sports Med. 2010 May;38(5):992-9. Epub 2010 Mar 8.

Bradley JP, **Forsythe B,** Mascarenhas R. Arthroscopic management of posterior shoulder instability: diagnosis, indications, and technique. *Clin Sports Med.* 2008 Oct;27(4):649-70. Review.

Shen W, **Forsythe B,** Ingham S, Honkamp N, Fu F: Application of the Anatomic Double Reconstruction Concept to Revision and Augmentation ACL Surgeries. *J Bone Joint Surg Am.* 2008 Nov;90 Suppl 4:20-34.

**Forsythe B,** Martins C, Lopes O, Shen W, Harner CD, Fu F. Topography of the femoral attachment of the posterior cruciate ligament. Surgical technique. *J Bone Joint Surg Am.* 2009 Mar 1;91 Suppl 2 Pt 1:89-100.

**Forsythe B,** Kopf S, Wong AK, Martins C, Anderst W, Tashman S, Fu FH. The Location of Femoral and Tibial Tunnels in Anatomic Double Bundle Anterior Cruciate Ligament Reconstruction Analyzed by Three-Dimensional Computed Tomography Models. *J Bone Joint Surg Am.* 2010 Jun;92(6):1418-26.

Kopf S, **Forsythe B,** Wong AK, Tashman S, Anderst W, Fu FH. Non-anatomical tunnel position in traditional transtibial single-bundle ACL reconstruction evaluated by three-dimensional CT. *J Bone Joint Surg AM.* 2010 Jun; 92(6):1427-31.

Kropf EJ MD, **Forsythe B,** Tranovich M, Baker, Irrgang JJ. Allograft Revision vs. Primary Single Bundle Anterior Cruciate Ligament Reconstruction: A Case-Control Study. *(In review, AJSM 2009.)*

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Henry S, Mascarenhas R, Kowalchuk D, **Forsythe B**, Irrgang JJ, Harner CD: Medial Meniscus Tear Morphology and chondral degeneration of the knee: is there a relationship? *Arthroscopy*. 2012 Aug;28(8):1124-1134.

**Forsythe B**, Ghodadra N, Romeo AA, M.D.; Provencher MT. Management of the failed posterior/multidirectional instability patient. *Sports Medicine and Arthroscopy Review*. 2010 Sep;18(3):149-61

**Forsythe B**, Martin SD: Concomitant Arthroscopic SLAP and Rotator Cuff Repair. *J Bone Joint Surg Am*. 2011, March 16, *Essential Surgical Techniques; Volume 93, Issue Supplement 1. Pages 1-9.*

Kopf S; **Forsythe B**, Wong A, Tashman S, Irrgang JJ, Fu F. Transtibial ACL reconstruction technique fails to position drill tunnels anatomically: *In vivo* 3D CT study. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2012 Nov; 20(11):2200-7 [**Research partially supported by National Institutes of Health, NIAMS AR46387.**]

Ellman MB, Sherman SL, **Forsythe B**, Bach BR. Preoperative, Intraoperative, and Postoperative Factors affecting Return to Play following Anterior Cruciate Ligament Reconstruction. (Submitted to *Sports Health*, September, 2011.)

**Forsythe B**, Frank R. Treatment of Athletes with Patellofemoral Instability. *Athletic Training and Sports Healthcare*. Springer. Vol 4. No. 4. 2012.

Mascarenhas R, **Forsythe B**, Harner CD. Revision Anterior Cruciate Ligament reconstruction with Bone-Patellar Tendon-Bone allograft and an extra-articular iliotibial band tenodesis. *The American Journal of Orthopedics*. (Submitted, January 2013.)

Harris JD, Abrams GD, Bach BR Jr, Williams D, Heidloff D, Bush-Joseph CA, Verma NN, **Forsythe B**, Cole BJ. Guidelines to determine return to sport following anterior cruciate ligament reconstruction - a systematic review. *Submitted to American Journal of Orthopaedics*. June, 2013

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. *Am J Sports Med*. ePublished July 15th, 2013. PMID: 23857887

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Harris JD, Erickson BJ, Bach BR Jr, Abrams GD, Cvetanovich GL, **Forsythe B**, McCormick FM, Gupta AK, Cole BJ. Performance and return-to-sport after anterior cruciate ligament reconstruction in National Basketball Association Players. *Sports Health*. 2013; E-published July 2013.

Mascarenhas R, **Forsythe B**, Harner CD. ACL reconstruction in a teenage athlete with fibular hemimelia. *The Knee*. Ms. Ref. No.: THEKNE-D-13-00250R1. (Accepted October 2013.)

Ellman MB, Sherman SL, **Forsythe B**, LaPrade RF, Cole BJ, Bach BR. Return to Play Following Anterior Cruciate Ligament Reconstruction. *Journal of the American Academy of Orthopedic Surgery*. (Submitted, October, 2013.)

**Forsythe B**, Frank RM, Ahmed M, Verma NN, Cole BJ, Romeo AA, Provencher MT, Nho SJ. *Current Concepts: Identification and Treatment of Existing Co-Pathology in Anterior Shoulder Instability Repair*. (Submitted to *Arthroscopy*, October, 2013.)

Saltzman BM, Harris JD, **Forsythe B.** Coracobrachialis origin and subscapularis tendon rupture with medial dislocation of long head biceps tendon after anterior shoulder dislocation. Submitting to *J Bone Joint Surg Am*, Case Connector, (Manuscript Complete. December 2013).

## **PRESENTATIONS: LOCAL, REGIONAL, NATIONAL**

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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 Podium Presentation. PAPER #: 170. Annual Orthopedic Research Society (ORS) Meeting. New Orleans, March 15-18, 2014.

Presenter: Hsu A. Moderator: **Forsythe B.** Management of Femoral Shaft Fractures. *Rush Residents Conference*. Chicago, IL, November 11<sup>th</sup>, 2013.

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. Podium Presentation. *ISAKOS*. Bi-annual Meeting. Toronto CA, May 14, 2013. Presenter : Anil K. Gupta, MD, MBA

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 32<sup>nd</sup> Annual National Meeting*. April 26, 2013. San Antonio Texas

**Forsythe, B.** Management of Multi-Ligamentous knee injuries. *Rush Sports Medicine Conference*. Chicago, IL, January 28, 2013.

**Forsythe B.** Management of Multi-Ligamentous Knee Injuries. *Athletico Physical Therapy*. Westchester, IL. January 15<sup>th</sup>, 2013

**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 15<sup>th</sup>, 2012.

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 14<sup>th</sup>, 2012.

**Forsythe, B.** Examination of the Unstable Knee & Treatment of Patellofemoral Instability. *Rush Sports Medicine Conference*. Chicago, IL, November 12<sup>th</sup>, 2012.

**Forsythe, B.** New Vision and Interventions in Orthopedic Care for the Shoulder. *Elmhurst Hospital*. Elmhurst, IL, November 7<sup>th</sup>, 2012.

**Forsythe B**, Nicholson G. Understanding and Addressing Chronic Shoulder Pain. *Central Dupage Hospital*. Winfield, IL, October 30<sup>th</sup>, 2012.

**Forsythe, B.** Shoulder Injuries in Golf: A Brief Review. *Midwest Golf House*, Lemont, IL, October 27<sup>th</sup>, 2012.

**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 26<sup>th</sup> 2012.

**Forsythe, B.** Acromioclavicular joint injuries and Clavicle Fractures. *Rush Sports Medicine Conference*. Chicago, IL, September 9<sup>th</sup>, 2012.

**Forsythe, B.** Examination of the Unstable Knee & Treatment of Patellofemoral Instability. *Accelerated Physical Therapy In service*. Oak Park, IL, August 29<sup>th</sup>, 2012.

**Forsythe, B.** Physical Examination of the Shoulder. *Rush Sports Medicine Conference*. Chicago, IL, August 13<sup>th</sup> 2012.

**Forsythe, B.** Examination of the Unstable knee and treatment of Patellofemoral Instability. *ATI National Sports Medicine Summit*. Oak Brook, IL, August 12<sup>th</sup>, 2012.

**Forsythe, B.** Current Trends in Management of Rotator Cuff Pathology. Webinar, Nova Care Case Managers Symposium, June 25<sup>th</sup>, 2012.

**Forsythe, B.** Current Concepts in Treatment of Acromioclavicular Joint Injuries and Clavicle Fractures. *Diamond Mark Presentation*. OAK Brook, IL, June 21<sup>st</sup>, 2012.

**Forsythe, B.** Current management of Clavicle Fractures and Acromioclavicular Ligament Reconstruction. *Athletico Case Managers Symposium*. OAK Brook, IL, June 21<sup>st</sup>, 2012.

**Forsythe, B.** Management of Distal Biceps Tendon Disease. *Orthocentrix Solutions Spring Seminar*. Oak Brook, IL. May 24<sup>th</sup>, 2012.

**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 2<sup>nd</sup>, 2012

**Forsythe, B.** Shoulder Instability in Throwing Athletes: Pathogenesis, Diagnosis & Treatment. *Accelerated Physical Therapy*, Downer's Grove, IL. February 7<sup>th</sup>, 2012.

**Forsythe, B.** Throwing Athlete Shoulder Injuries: Prevention, Diagnosis, and Treatment. *ATI Physical Therapy*. Bolingbrook, IL. February 2<sup>nd</sup>, 2012.

**Forsythe, B.** Shoulder Instability in Throwing Athletes: Pathogenesis, Diagnosis & Treatment. *Athletico Physical Therapy*. Westchester, IL. January 8<sup>th</sup>, 2012.

**Forsythe, B.** Open Inferior Capsular Shift for Multidirectional Instability following failed arthroscopic plication. *Rush Sports Medicine Conference*. Chicago, IL. June 20, 2011.

**Forsythe, B.** Modified Tibia Tubercle Osteotomy for Patellofemoral Instability with congenital patellar and trochlear hypoplasia. *Rush Sports Medicine Conference*. Chicago, IL. June 20, 2011.

**Forsythe, B.** Surgical Management of a Multi-Ligament Knee Injury. *Rush Sports Medicine Conference*. Chicago, IL. June 13, 2011.

**Forsythe, B.** Clavicle Fractures: Operative Indications and Surgical Fixation Options. *Midwestern University Department of Orthopedics*. Chicago, IL. February 22, 2011.

**Forsythe, B.** Current concepts in ACL Reconstruction. *ATI Physical Therapy Lecture Series*. New Lenox IL. February 17<sup>th</sup>, 2010.

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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.

**Forsythe, B.** Current concepts in ACL Reconstruction: Augmentation, Single and Double-Bundle Techniques. *Athletico University Lecture Series*. Bourbonnais, IL. February 2009.

**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.

Bradley, JP. **Forsythe, B.** Adolescent Throwing Athletes: Injury Prevention and Treatment. *Drayer Physical Therapy Institute*. Pittsburgh, January 2008.

Bradley JP, **Forsythe B.** Single versus Double Bundle ACL Reconstruction. *Metcalf Course*. Sun Valley, Utah. February, 2008.

Bradley JP, **Forsythe B.** Anterior Instability in Contact Athletes. Instructional Course Lecture. *American Academy of Orthopedic Surgery*. San Francisco, March, 2008.

**Forsythe B.** Fellows Case Presentation: Treatment of Clavicle Fractures. *UPMC Center for Sports Medicine Conference*. Pittsburgh, April, 2008.

**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.

**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.

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## ABSTRACTS

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.

**Forsythe B**; Gobezie 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.

**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.

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.

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.

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.

Kropf EJ, **Forsythe B**, Tranovich M, Baker III CL, Irrgang JJ, Harner CD. Revision versus primary single bundle anterior cruciate ligament reconstruction: A matched pairs case control study. *Pittsburgh Orthopaedic Journal*. Volume 19. 2008.

**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.

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.

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*. March 6-9, 2010, New Orleans, LA. Poster #:1137.

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

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)

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. E-poster presentation. AANA Annual Meeting. San Antonio, April 26, 2013. Presenter : Anil K. Gupta, MD, MBA

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

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 9<sup>th</sup>, 2013. Presenter : Anil K. Gupta, MD, MBA

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, March 15-18, 2014. Poster #1717, Session # PS2-108

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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, March 15-18, 2014.

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## SCIENTIFIC EXHIBITS

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Shen W, Honkamp N, **Forsythe B**, Ingham S, Fu F: Application of Anatomic Double Reconstruction Concept in Revision/Augmentation ACL Surgeries. *American Academy of Orthopedic Surgery*. San Francisco, 2008. **Award Winner: Best Scientific Exhibit.**

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## BOOK CHAPTERS

Pombo MW, **Forsythe B**, Mascarenhas R, Harner CD. Transtibial Double Bundle PCL Reconstruction. *Arthroscopic Techniques of the Knee: A Visual Guide, by Dr. Thomas J. Gill*. Chapter 14. SLACK Incorporated. April 15 2009.

**Forsythe, B**, Shen, W, Fu, F. Double Bundle ACL Reconstruction: Technique and Physical Therapy Perspectives (Update on Anterior Cruciate Ligament Injuries, Monograph 19.1, 2009. American Physical Therapy Continuing Education, Independent Study Course Series)

**Forsythe B**, Mascarenhas R, Pombo MW, Harner CD. Combined Injuries to the Posterior Cruciate Ligament and Medial Collateral Ligament of the Knee. Chapter 36. In: *The Knee Joint: Surgical Techniques and Strategies*. Bonnin, M.; Amendola, N.A.; Bellemans, J.; MacDonald, S.J. and Menetrey, J. Springer, New York: 2012.

**Forsythe B**, Mascarenhas R, Pombo MW, Harner CD. Techniques in Posterior Cruciate Ligament Reconstruction: An Arthroscopic Approach. *The Knee Joint: Surgical Techniques and Strategies*. Springer, New York: 2010.

Van Thiel G, **Forsythe B**, Yanke A, Bach BR. Revision ACL Reconstruction. *Cole and Sekyia: Surgical Techniques of the Shoulder, Elbow, and Knee in Sports Medicine*, 2nd Edition, Elsevier 2011.

Ahmed MM, Ghodadra NS, **Forsythe, B**. PCL Reconstruction: Current Concepts. *The Knee: Current concepts in kinematics, injury patterns, and treatment*. Editor: Randy Mascarenhas. Nova Publishing, New York, 2011.

Frank RM, **Forsythe B**, Ghodadra NS. Treatment of Combined Knee Pathology: Malalignment, Instability, and Cartilage Loss. *The Knee: Current concepts in kinematics, injury patterns, and treatment*. Editor: Randy Mascarenhas. Nova Publishing, New York, 2011.

Frank RM, Erickson B, McCormick FM, Bach BR Jr, **Forsythe B**. Diagnostic Shoulder Arthroscopy: Surgical Technique. *AAOS OKO Surgical Techniques*. (Accepted, in Press. June 2013.)

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## NEWSLETTER ARTICLES

Factors Affecting Return to Play Following ACL Reconstruction, by **Forsythe B**. *OAK Sports Medicine Update; Volume 5, Fall 2011*.

Clavicle Fractures in Sports Medicine: Current Trends and Treatment Options, by **Forsythe B.** *OAK Sports Medicine Update; Volume 4, Spring 2011.*

Treatment of Athletes with Multidirectional Instability of the Shoulder, by **Forsythe B.** *OAK Sports Medicine Update; Volume 3. July 2010.*

Treatment of Athletes with Patellofemoral Instability: A Novel Surgical Approach, by **Forsythe B.** *OAK Sports Medicine Update; Volume 2. February 2010.*

Current Trends in Knee Ligament Reconstruction: Single-Bundle, Double-Bundle, and Augmentation ACL Surgery, by **Forsythe B.** *OAK Sports Medicine Update; Volume 1. Pages 6-7, September 2009.*

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## VIDEOS

VUMEDI: Anatomic Double Bundle ACL Reconstruction, with Freddie Fu (, narrated and written by **Forsythe B.**) <http://www.vumedi.com/node/38685>.

- Currently, the “most viewed” video on Vumedi (>10,000 views,) a surgeon-only video sharing website.

Frank RM, Erickson B, McCormick FM, Bach BR Jr, **Forsythe B.** Diagnostic Shoulder Arthroscopy: Surgical Technique. *AAOS OKO Surgical Techniques.* (Accepted. June 2013.)

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## MEDIA

### TELEVISION

Recorded November 19<sup>th</sup>, 2013 for Comcast SportsNet Chicago.

Editor: Ezra McCann. Producer: Willie Parker.

**Forsythe B.** Syndesmosis Injuries: Commenting on Jay Cutler, Chicago Bears

Recorded June 18<sup>th</sup>, 2013 for WGN TV, Chicago. Broadcast Spring 2014

**Forsythe B.** Overuse Injuries in Throwing Athletes. Producer: Katharin Czink

### RADIO

Recorded April 16, 2013 for ‘The Score’ CBS Chicago Sports Radio. WSCR AM 670.

**Forsythe, B.** Terrance Segroi. Overuse Injuries in Throwing Athletes

### NATIONAL PRINT

**Forsythe B.** Commentary on Olympic Skier Lindsey Vaughn: Partial ACL Injury. USA Today. 11/20/13 by Kelly Whiteside.

<http://www.usatoday.com/story/sports/olympics/2013/11/20/lindsey-vonn-injury-training-partial-acl-tear-knee/3653337/>

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## GRANTS

2008 In vitro Analysis of Joint Contact and Kinematic Changes Associated with Clinically Relevant Lateral Meniscus Tears.  
**Forsythe B**, Martin D, Zhang X. Ref #M 2008-0060. *The Albert B. Ferguson, Jr. M.D. Orthopaedic Fund.* Awarded: \$5,000.

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## TEAM COVERAGE

- 2012-present **Chicago White Sox, MLB. Team Physician.**  
Provided coverage for home games at U.S. Cellular Field, Chicago IL.  
Provided coverage for Spring Training. Glendale, AZ
- 2012-present **Chicago Bulls, NBA. Team Physician.**  
Provided coverage for home games/preseason at The United Center, Chicago IL.
- 2008-present **U.S. Soccer Federation, National Teams Program: Team Physician**  
U-17 Men's National Team, International Tournament, Costa Rica June 27-July 2, 2012  
U-17 Men's National Team, International Camp, Queretaro, Mexico, April 27-May 2, 2011  
U-17 Men's National Team, International Training Camp. Paris, France Nov. 3-10, 2008.  
U-17 Men's National Team, International Tournament, Macaé, Brazil July 20-27, 2009.
- 2012-present **Aurora Central Catholic High School. Head Team Physician**  
Provided home and away sideline coverage for football games
- 2009-2011 **Lincoln Way East Varsity Football, Frankfort, IL: Head Team Physician**  
Sideline coverage for all home, away, and playoff football games  
Training Room Coverage: All School Sports
- 2009-2011 **Chicago Bears (NFL): Assistant Team Physician (Training Camp)**  
Training Camp Coverage with Dr. Michael Corcoran, OAK Orthopedics.  
Provided practice coverage, home game coverage, and performed preseason physicals
- 2008-2011 **Olivet Nazarene University Football (NAIA Division 1): Team Physician**  
Weekly Training Room Coverage: All University Sports  
Sideline Coverage for home and away games
- 2008 **Peotone High School Varsity Football, IL: Head Team Physician**  
Sideline coverage for all home and away games.
- 2007-2008 **Pittsburgh Steelers (NFL): Assistant Team Physician**  
Head Team Physician: Dr. James Bradley  
Sideline coverage for Home, Away, and Playoff games
- Pittsburgh Penguins (NHL): Assistant Team Physician**  
Head Team Physician: Dr. Charles Burke  
Coverage for all regular season and playoff games including the Stanley Cup
- Duquesne University:** Team Physician Division 1-AA Football,  
Division 1 Women's Basketball

		Wrestling
	Sideline coverage for home competitions	
	<b>University of Pittsburgh:</b> Team Physician	Men's & Women's Soccer Gymnastics, Swimming/Diving, Track & Field, Wrestling, Baseball, Softball
	Sideline coverage for home competitions	
	<b>Pittsburgh Passion (IWFL):</b> Team Physician	Women's Professional Football
	Sideline coverage for home games	
2005-2007	<b>Major League Soccer (MLS) New England Revolution: Assistant Team Physician</b> Head Team Physician: Dr. Bertram Zarins Gillette Stadium, Foxborough, MA Sideline coverage for regular season home games, reserve team, and playoffs	
2003-2006	<b>High School Football Team Physician</b> Children's Hospital Division of Sports Medicine, Boston MA Sideline coverage for Boston City High School games	

## ORTHOPEDIC COURSES: FACULTY APPOINTMENTS

<b>2013</b>	<b>AANA Master Course: Knee Ligament Reconstruction.</b> Orthopedic Learning Center. Lab Instructor: June 7-9, Rosemont, IL.
<b>2012</b>	<b>AANA Master Course: Anatomical ACL Reconstruction.</b> Orthopedic Learning Center. Lab Instructor: March 9-11, Rosemont, IL.
<b>2011</b>	<b>AANA Master Course: Anatomical ACL Reconstruction.</b> Orthopedic Learning Center. Lab Instructor: March 11-13, Rosemont, IL.
<b>2010</b>	<b>AANA Master Course: Shoulder Arthroscopy.</b> Orthopedic Learning Center. Lab Instructor: June 4-6, Rosemont, IL.
<b>2008</b>	<b>Current Concepts in Double Bundle ACL Reconstruction</b> Lab Instructor: December 14 <sup>th</sup> , 2008. Rosemont, IL
<b>2008</b>	<b>Panther Global Summit: Anatomic Double Bundle ACL Reconstruction</b> Lab Instructor: Feb 28 <sup>th</sup> -March 1 <sup>st</sup> , 2008. Pittsburgh, PA
<b>2006-2007</b>	<b>Harvard Orthopedic Primary Care Course</b> Instructor: Cambridge, MA

## RESIDENT LAB COURSES, INSTRUCTOR: Midwest Orthopedics at Rush, Surgery Center

Arthroscopic Knee Course- with Dr. Cole, August, 2008  
 Arthroscopic Shoulder Course-with Dr. Bush-Joseph, November, 2008  
 Arthroscopic Shoulder Course- with Dr. Nicholson, August 2009

Arthroscopic Knee Course- with Dr. Bush-Joseph, November, 2009  
Arthroscopic Shoulder Course- with Dr. Nicholson, August, 2010  
Arthroscopic Knee Course- with Dr. Verma, November, 2010  
Arthroscopic Shoulder Course- with Dr. Nicholson, January, 2011  
Arthroscopic Knee Course- with Dr. Nho, April 2, 2011  
Arthroscopic Hip Course- with Dr. Nho, April 23, 2011  
Arthroscopic Shoulder Course- with Dr. Bach, July 18, 2011  
Arthroscopic Knee Course- October 13, 2012  
Arthroscopic Knee Course- October 19, 2013

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**FELLOW LAB COURSES, INSTRUCTOR:** Rush Sports Med Fellows, Midwest Lab, Chicago IL

Arthroscopic Elbow Lab, October 14, 2013  
Arthroscopic Knee Lab, October 18, 2012  
Arthroscopic Shoulder Lab, August 8, 2012  
Arthroscopic Shoulder Lab, August 18, 2011  
Arthroscopic Knee Lab, March 29, 2011  
Arthroscopic Knee Lab, October 2010  
Arthroscopic Shoulder Lab, September 2010

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**LABS AND COURSES ATTENDED:**

Arthrex Shoulder Symposium: Shoulder Arthroplasty and Arthroscopy. Vail, Colorado, April 18-21, 2009.  
Advanced OrthoBiological Shoulder Lab, Arthrex. Chicago, IL October 10, 2009  
North American Sports Medicine Forum, Arthrex. Naples, FL. November 5-6, 2009.  
Arthrex Masters Shoulder and Knee Symposium, Vail, Colorado, February 26-27<sup>th</sup>, 2010.  
5<sup>th</sup> Annual Vail Hip Arthroscopy Symposium, Vail Colorado, March 18-20<sup>th</sup>, 2010.  
Clinical Concepts in Shoulder Arthroplasty. Tournier. Minneapolis, Minnesota. August 12<sup>th</sup>, 2011.  
Arthrosurface Lab. Riverside Hospital, Bradley, IL. September 13<sup>th</sup>, 2011.  
5<sup>th</sup> Annual Masters Shoulder Symposium, Tournier. Chicago IL. September 22-24<sup>th</sup> 2011.  
Arthrex Shoulder and Knee Course: Advanced Techniques. Vail, Colorado. December 9-10, 2012  
Arthrex Masters Shoulder and Knee Symposium, Naples, FL. January 5-6, 2013.

**RESIDENT CONFERENCES ATTENDED:**

AO Basic Trauma Course, Toronto, 2004

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**NATIONAL CONFERENCES ATTENDED:**

AAOS Annual Meeting, Chicago, 2006  
AOSSM Annual Meeting, Calgary, 2007  
AAOS Annual Meeting, San Francisco, 2008  
Panther Global Summit, Pittsburgh, 2008  
AOSSM Annual Meeting, Orlando 2008  
AAOS Annual Meeting, Las Vegas 2009  
AOSSM Annual Meeting, Keystone 2009  
AAOS Annual Meeting, New Orleans 2010  
AAOS, Annual Meeting, San Diego 2011

AOSSM, Annual Meeting, San Diego 2011  
AAOS, Annual Meeting, San Francisco 2012  
AOSSM, Annual Meeting, Chicago 2013  
AANA Annual Meeting, San Antonio 2013  
AAOS Annual Meeting, Chicago 2013

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## **SOCIETIES**

Fellow of the American Academy of Orthopedic Surgery  
American Orthopedic Society for Sports Medicine, Member  
Arthroscopy Association of North America, Member  
International Society of Arthroscopy, Knee Surgery and Orthopedic Sports Medicine (ISAKOS), Member  
Illinois State Medical Society

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## **STUDENT ACADEMIC & LEADERSHIP EXPERIENCES**

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

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

**1998-1999 University City Health Coalition (UCHC)**  
Volunteer, Free Health Care Clinic  
University of Pennsylvania School of Medicine, Philadelphia PA

**1996-1997 Human Physiology Course Teaching Assistant**  
Division of Biology and Medicine  
Brown University, Providence RI

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## **REFERENCES**

Personal References Available Upon Request

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## **INTERESTS**

Personal: Wife Jennifer, Daughter Abigail Drew, Sons Robert Allen and Cameron James Forsythe.  
Other: Soccer, Baseball, Football, Platform Tennis, Golf, Skiing, Politics

Brown University Varsity Soccer Team      1994-1996      1994 & 1995 Ivy League, New England Champions  
1994 & 1995 NCAA Division 1 Quarterfinalists  
Achieved National Rankings of 2<sup>nd</sup> and 7<sup>th</sup>

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