

# Curriculum Vitae

## Matthew L. Busam, M.D.

Mercy Health  
Cincinnati SportsMedicine and Orthopaedic Center  
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Cincinnati, OH 45248  
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CincinnatiSportsMed.com  
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### Present Position

Orthopaedic Surgeon:2013-  
Mercy Health, Cincinnati SportsMedicine  
Cincinnati, OH  
Director of Outreach  
Orthopaedic Surgeon: 2007-  
Cincinnati Sports Medicine and Orthopaedic Center  
Cincinnati, OH.  
Clinical Faculty, Sports Medicine Fellowship

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### Education

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| Fellowship in Sports Medicine<br>and Shoulder Surgery | 2006-2007 | Rush University<br>Program Director: Bernard R. Bach, Jr, MD<br>Chicago, IL                          |
| Orthopaedic Surgery Residency                         | 2002-2006 | Vanderbilt University<br>Program Directors: Neil Green, MD; Herbert<br>Schwartz, MD<br>Nashville, TN |
| Internship in General Surgery                         | 2001-2002 | Vanderbilt Univeristy<br>Program Director: John Tarpley, MD<br>Nashville, TN                         |
| Doctor of Medicine                                    | 1997-2001 | Vanderbilt University School of Medicine<br><i>Alpha Omega Alpha</i>                                 |
| Bachelor of Arts                                      | 1993-1997 | University of Notre Dame<br>Theology and Pre-professional Studies<br><i>Summa Cum Laude</i>          |

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### Board Certifications

USMLE – Step I (6/1999); Step II (2/2001); Step III (10/2003) – Pass  
ABOS – Part I – July 2006, Pass  
ABOS- Part II- July 2009, Pass

Diplomate ABOS: July 23, 2009-December 31, 2019

ABOS: Subspecialty Certificate in Orthopaedic Sports Medicine November 4, 2010-December 31, 2020

Recertified ABOS and Orthopaedic Sports Medicine through 12/31/2029

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## **Medical Licensure**

Ohio: 35.089716 – Full active. July 2007-Present

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## **Awards and Honors**

2019: Highest Patient Confidence, Mercy Health, Orthopaedics and Sports Medicine

2018: Highest Patient Satisfaction and Confidence, Mercy Health, Orthopaedics and Sports Medicine

2018: Cincinnati Magazine: Top Doctors, Orthopaedic Surgery

2016: Highest Patient Satisfaction, Mercy Health, Orthopaedics and Sports Medicine

2015: Highest Patient Satisfaction, Mercy Health, Orthopaedics and Sports Medicine

2003: Best Consultant to the Emergency Department, Vanderbilt University Medical Center

2001: Orthopaedic Clerkship Award, Vanderbilt University School of Medicine

2001: Surgical Clerkship Award, Vanderbilt University School of Medicine

2001: Hospital Award for Excellence, Vanderbilt University Medical Center

2000: *Alpha Omega Alpha*, Vanderbilt University Chapter

1998: Microbes and Defense Academic Honor Society

1997: Rev. Joseph C. Cavanaugh Award for excellence in theological studies, University of Notre Dame

1997: *Phi Beta Kappa*, Epsilon of Indiana Chapter, University of Notre Dame

1997: Final Four Ring, awarded as practice player for University of Notre Dame women's varsity basketball

1993: Valedictorian, Cincinnati Elder High School, Cincinnati, OH

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## **Professional Memberships and Societies**

American Academy of Orthopaedic Surgeons: Member 2001-Present

Active Fellow: Class of 2011, approved October, 2010.

American Orthopaedic Society for Sports Medicine: Member 2006-Present (Full member 2012)

Vanderbilt Orthopaedic Society

NFL Team Physicians' Society: 2013-2020

Professional Soccer Physicians' Society: 2019-Present

The Dr. Tom Dooley Society, medical alumni of Notre Dame: Member 2006-Present

*Alpha Omega Alpha*: 2000

*Phi Beta Kappa*: 1997

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## **Training Courses**

Faculty: Advances on the Knee and Shoulder, Hilton Head, SC, May 2008-2018

Faculty: Atrium Medical Center Sports Medicine Symposium, Middletown, OH, June 2008

Faculty: AAOS, ASES: advanced shoulder reconstruction, Rosemont, IL April 2007

Faculty: Rush University Resident Shoulder Arthroscopy course, January 2007

Behind the scenes as a team physician: Tampa, FL January 2007

Faculty: Rush University Resident Knee Arthroscopy course, October 2006

Faculty, AANA residents arthroscopy course: Rosemont, IL August 2006  
CITI course in the protection of human research subjects, January 2004  
AO ASIF Principles of Fracture Management: Colorado Spring, CO. March 2003  
Advanced Cardiac Life Support. December 2002  
Basic Life Support. December 2002  
Advanced Trauma Life Support. August 2002  
BLS Provider, certified Feb 2017-2019

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## Lectures

**Lumbar Spine Anatomy**, Vanderbilt Orthopaedic Anatomy, February 2003  
**Removal of Hardware**, Vanderbilt Orthopaedic Trauma, May 2003  
**The Extensor Mechanism**, Vanderbilt Sports Medicine, August 2004  
**Shoulder Injuries in the Adolescent Throwing Athlete**, Vanderbilt Sports Medicine, January 2005  
**Pelvis Anatomy**, Vanderbilt Orthopaedic Anatomy, March 2005  
**Proximal Humerus Fractures**, Vanderbilt Orthopaedic Trauma, December 2005  
**Adolescent Athletics**, St. Cecilia Academy, informational meeting for incoming athletes, 2002, 2003, 2004.  
**Vanderbilt Pediatric Orthopaedics as a Medical Mission**, Vanderbilt Orthopaedic Society, April 2006  
**Dental Injuries in Sports**, Rush University Fellows Conference, September 2006  
**Abdominal Injuries in Sports**, Rush University Fellows Conference, September 2006  
**Patellar Tendinitis**, Rush University Fellows Conference, September 2006  
**Introduction to Sports Medicine, the Knee**, Elder High School Physiology, January 2008, 2009, 2010, 2011, 2012, 2014, 2015, 2016, 2017, 2018  
**Introduction to Sports Medicine, the Shoulder**, Elder High School Physiology, January 2008, 2009, 2010, 2011, 2012, 2014, 2015, 2016, 2017, 2018  
**Rotator Cuff Tear Arthropathy**, Cincinnati SportsMedicine Fellows Conference, 2008-2010  
**Team Physician Responsibilities**, Cincinnati SportsMedicine Fellows Conference, 2008-2020  
**ACL Complications**, Cincinnati SportsMedicine Fellows Conference, 2008-2020  
**Distal Biceps Injuries**, Cincinnati SportsMedicine Fellows Conference, 2014-2020  
**Supplements and Performance Enhancing Drugs**, Cincinnati SportsMedicine Fellows Conference, 2014-2021  
**Running Injuries of the knee and leg**, Cincinnati SportsMedicine Fellows Conference 2015-2021  
**Surgical Treatment of Patellofemoral Disease and Beyond**, College of Mt. St. Joseph, Athletic Training program, February 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015  
**Treatment of Tendon Injuries about the Elbow**, College of Mt. St. Joseph, Athletic Training program, November 2009  
**Technical Aspects of ACL reconstruction for the General Orthopaedic Surgeon: The Use of Allografts for ACL reconstruction**: Instructional Course Lecture 382, , Las Vegas, NV, February, 2009.

**Technical Aspects of ACL reconstruction for the General Orthopaedic Surgeon: The Use of Allografts for ACL reconstruction, Complications in ACL surgery:** Instructional Course Lecture 284, AAOS Annual Meeting, New Orleans, LA, March 2010.

**Complex Knee Ligament Instabilities and Revisions: A Case-Based Approach:** Instructional Course Lecture 232, AAOS Annual Meeting, New Orleans, LA, March 2010.

**Technical Aspects of ACL reconstruction for the General Orthopaedic Surgeon: The Use of Allografts for ACL reconstruction, Complications in ACL surgery:** Instructional Course Lecture 482, AAOS Annual Meeting, San Diego, CA, February 2011

**Running Injuries,** Mercy Health ATC lecture series. August 2014.

**Common Running Injuries of the Knee and Leg,** Wellington Sports Medicine, Mercy Health Sports Medicine Course, Cincinnati, Ohio, February 2015.

**Evaluation of Knee Injuries in Sports,** Sports Medicine for the Primary Care Provider, Mercy Health, Fairfield, Ohio, March 2015

**Evaluation of Athletic Injuries of the foot and ankle,** Mercy Health ATC lecture series. Cincinnati, Ohio, April 2015.

**Shoulder Pain, Orthopaedic Roundtable for Primary Care Providers,** Mercy Health, Cincinnati, Ohio, April 2015.

**Evaluation and Management of Common Running Injuries of the knee and leg,** Ohio Athletic Trainers Association Annual Meeting, Mason, Ohio, May 2015.

**Introduction to Medicine and Sports Medicine: McAuley High School Women in Medicine: 2016-2018**  
**Mercy Health: Healthy Happy Hour. Staying in Motion. Spring 2016**

**Shoulder pain: Is my rotator cuff to blame? Mercy Health Plex, 2018**

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## **Team Physician Responsibilities**

FC Cincinnati: Major League Soccer, Chief Medical Officer: 2019-Present

Cincinnati Bengals: Assistant Orthopaedic Physician: 2013- 2019

NFL Combine Physician 2011-2019.

Elder High School, Cincinnati, OH: current

Mercy-McAuley High School, Cincinnati, OH: current

Harrison High School, Harrison, OH, surgical consultant: current

Cincinnati Christian University, Cincinnati, OH: 2014-2019

McAuley High School, Cincinnati, OH: 2007-2018

Mother of Mercy High School, Cincinnati, OH: 2013-2018

Oak Park- River Forest High School, Oak Park, IL: 2006-2007

Chicago Bulls Professional Basketball: Training camp physician, 2006-2007 (Brian J. Cole, Head team physician)

Chicago White Sox Professional Baseball:, Spring training physician (Charles A. Bush-Joseph, Head team physician)

Chicago Steel Professional Hockey: 2006-2007

Chicago Force Women's Professional Football: Assistant team physician 2007

Chicago Bandits Professional Softball: 2006-2007

McGavock High School, Nashville, TN 2003-2006

Vanderbilt University, varsity lacrosse, 2004-06

Vanderbilt University, varsity football, Assistant team physician, 2004

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## Research Presentations

Rue JH, Yanke A, Busam ML, Cole BJ. Prospective Evaluation of Concurrent Meniscus Transplantation and Articular Cartilage Repair. AANA annual meeting, April 24, 2008, Washington, DC.

Rue JH, Yanke A, Busam ML, Cole BJ. Prospective Evaluation of Concurrent Meniscus Transplantation and Cartilage Restoration: Minimum 2 Year Follow-Up. AOSSM specialty day, AAOS annual meeting, March 8, 2008. San Francisco, CA.

Busam ML, Rue JR, Yanke A, Cole BJ. Meniscal Allograft Transplantation with concomitant articular cartilage repair. Rush University Department of Orthopaedic Surgery Thesis Day 2007: June 21, 2007.

Busam ML, Block JJ, Shuler FD. Retrograde Femoral Nails: What is the safe zone for proximal interlocking? Podium presentation, Vanderbilt Orthopaedic Society Annual Meeting, May 2006, Hilton Head, SC.

Shuler FD, Busam ML, Block JJ. Retrograde Femoral Nails: What is the safe zone for proximal interlocking? Podium presentation, Orthopaedic Trauma Association Annual Meeting, October 2004, Ft. Lauderdale/Hollywood, Florida.

Busam ML, Block JJ, Shuler FD. Retrograde Femoral Nails: What is the safe zone for proximal interlocking? Podium presentation, Kentucky and Tennessee Orthopaedic Society Combined Meeting, August 2004, Hot Springs, VA.

Hatwick EH, Busam ML, Sanders DR, McAndrew M, Johnson KD. Long Term Outcome of Displaced Fractures of the Talus. Podium presentation, Vanderbilt Orthopaedic Society Annual Meeting, May 2003, Kiawah Island, SC.

Sanders DR, Busam ML, Hatwick EH, McAndrew M, Johnson KD. Long Term Outcome of Displaced Fractures of the Talus. Podium presentation, Orthopaedic Trauma Association Annual Meeting, October 2001, San Diego, CA.

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## Invited Papers

Busam, Matthew. Team Physicians Must Advocate for Lifelong Musculoskeletal Well-being. Guest Editorial. Orthopedics. November 2015 - Volume 38 · Issue 11: 658-660

Bengston HC, Busam ML, Hasan SS. Complications of Superior Labrum Anterior to Posterior and Biceps Tendon Repairs in Hasan SS, Mazzocca AD. Editors: Disorders of the Proximal Biceps Tendon: Evaluation and Treatment. AAOS Monograph. American Academy of Orthopaedic Surgeons, Rosemont, IL. 2014.

Busam ML. STOP youth sports injuries. Cincinnati Community Press, guest editorial, Summer 2010.  
Wilkes T, Busam ML. Revision ACL Reconstruction: Results in ACL Surgery: How to Get it Right the First Time and What to Do if it Fails. Editors: Bernard R Bach, Matthew T. Provencher. Slack Inc. Thorofare, NJ, 2010.

Cole BJ, Busam ML. Editors: Surgical management of articular cartilage defects in the knee. AAOS Monograph. American Academy of Orthopaedic Surgeons, Rosemont, IL. 2009.

Busam ML. Osteochondral Allograft Transplantation in Cole BJ, Busam ML. Editors: Surgical management of articular cartilage defects in the knee. AAOS Monograph. American Academy of Orthopaedic Surgeons, Rosemont, IL. 2009.

Bach BR Jr, Busam ML. What are the indications for ACL reconstruction? in *Curbside Consultation in the ACL: 49 clinical questions*, Editors: Bernard R. Bach, Jr and Nikil Verma. Slack Inc. Thorofare, NJ, 2008.

Busam ML, Bach BR Jr. What are the radiographic, MR, and KT-1000 characteristics of an ACL injured knee? in *Curbside Consultation in the ACL: 49 clinical questions*, Editors: Bernard R. Bach, Jr and Nikil Verma, Slack Inc. Thorofare, NJ, 2008.

Busam ML, Bach BR Jr. What do you do if you drop the graft on the floor? in *Curbside Consultation in the ACL: 49 clinical questions*, Editors: Bernard R. Bach, Jr and Nikil Verma, Slack Inc. Thorofare, NJ, 2008.

Busam ML, Bach BR Jr. How would you manage the situation of graft amputation during interference screw placement with a patellar tendon graft? in *Curbside Consultation in the ACL: 49 clinical questions*, Editors: Bernard R. Bach, Jr and Nikil Verma, Slack Inc. Thorofare, NJ, 2008.

Busam ML, Bach Br Jr. How do you manage the postoperative patellar fracture following ACL reconstruction with patellar tendon autograft? in *Curbside Consultation in the ACL: 49 clinical questions*, Editors: Bernard R. Bach, Jr and Nikil Verma, Slack Inc. Thorofare, NJ, 2008.

Busam ML, Riff A, Bach BR Jr. Single Bundle Technique—BTB autograft, in *Current Concepts in ACL Reconstruction*, Editors: Freddie Fu, Steven B. Cohen. Slack Inc. Thorofare, NJ, 2008.

Rue JP, Busam ML, Bach BR, Jr. Surgical Technique, Video guide, Single Bundle Technique—BTB autograft, in *Current Concepts in ACL Reconstruction*, Editors: Freddie Fu, Steven B. Cohen.

Busam ML ed. *Third Year Student Clerkship Handbook*. Vanderbilt University Department of Orthopaedics, 2003.

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## **Bibliography**

Shuler FD, Busam M, Beimesch CF, Block JJ

Retrograde Femoral Nailing: Computed Tomography Angiogram Demonstrates No Relative Safe Zone for Prevention of Small Diameter Arterial Vascular Injury During Proximal Anteroposterior Interlocking. *J Trauma*. 2010 Apr 6, Epub ahead of print

Gupta A, Latterman C, Busam M, Riff A, Bach Jr. BR, Wang VM. Biomechanical Evaluation of Bioabsorbable Versus Metallic Screw for PCL Onlay Graft Fixation: A Comparative Study. *Am J Sports Med*, 2009 Apr;37(4): 748-53. Epub 2009 Jan 23.

Rue JH, Busam ML, Detterline AJ, Bach Jr. BR. Posterior Wall Blowout in Anterior Cruciate Ligament Reconstruction: Techniques for Avoidance, Recognition and Salvage. *J Knee Surg*, 2008 July;21(3) 235-40.

Rue JH, Busam ML, Bach Jr. BR. Hybrid Single-Bundle ACL Reconstruction Technique Using a Transtibial Drilled Femoral Tunnel. *Tech Knee Surg*. 2008 June; 7(2) 107-114.

Rue JP, Yanke AB, Busam ML, McNickle AG, Cole BJ. Prospective Evaluation of Concurrent Meniscus Transplantation and Articular Cartilage Repair: Minimum 2-Year Follow-Up. *Am J Sports Med*. 2008 May 15. [Epub ahead of print]

Busam ML, Provencher MT, Bach Jr, BR. Complications of anterior cruciate ligament reconstruction with bone-patellar tendon-bone constructs: care and prevention. *Am J Sports Med*. 2008 Feb;36(2):379-94.

Busam ML, Jue JR, Bach Jr, BR. Fresh-frozen allograft anterior cruciate ligament reconstruction. *Clin Sports Med*. 2007 Oct;26(4):607-23.

Busam ML, Cole, BJ. Early Shoulder Arthritis. *Orthopaedic Excellence*. 2007 3(6), 8-10.

Busam ML, Esther RJ, Obremskey WT. Hardware Removal: Indications and Expectations. *Journal of the American Academy of Orthopaedic Surgeons*. February 2006; 14:113-120.

Sanders DW, Busam ML, Hattwick E, Edwards JR, McAndrew MP, Johnson KD. Functional Outcomes Following Displaced Talar Neck Fractures. *Journal of Orthopaedic Trauma*. 18(5):265-70, May/June 2004.

Barrett TW, Norton VC, Slovis CM, Maron DJ, Busam M, Boyd J. Self-reported cardiac risk factors in emergency medicine nurses and paramedics. *Prehospital and Disaster Medicine*. 2000;15(2):14-17.

Boyd J, Norton VC, Barrett T, Busam M. Comparison of manual and automatic blood pressure measurements in trauma. (Abstract). *Acad Emerg Med*. 1999;6:582-83.

Boyd J, Norton VC, Busam M, Barrett T. Patient attitudes regarding the performance of procedures on the newly dead. (Abstract). *Acad Emerg Med*. 1999;6:545-46.

Norton VC, Zimmerman G, Busam M, Barrett T, Boyd J. Emla cream reduces the pain of IV starts in adult patients when applied at triage. (Abstract). *Acad Emerg Med*. 2000;7:531-a.

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**Reviewer**

Orthopaedics

Arthroscopy: The Journal of Arthroscopic and Related Surgery

SportsHealth

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**Activities and Interests**

Fitness

Basketball

Medical ethics