



## Brian M. Curtin, MD

### Education

- Duke University -- Bachelor of Science
- Georgetown University - Masters of Science
- Georgetown University, School of Medicine -- Doctor of Medicine
- University of Louisville, Dept of Orthopedic Surgery -- Residency
- OrthoCarolina-- Adult Reconstruction of the Hip and Knee Fellowship

### Practice

- Board Certified by the American Board of Orthopaedic Surgery
- Member of the American Academy of Orthopaedic Surgeons
- Member of the American Association of Hip & Knee Surgeons
- Member of International Congress of Joint Reconstruction
- Member of North Carolina Medical Society
- Previous Teaching Faculty at the Medical College of Virginia

P: 704.323.2564

Patient Rating:  
4.7 out of 5 Stars

### LOCATIONS

- Hip & Knee Center
- Indian Land
- Periprosthetic Joint Infection Center
- South Park

### CLINICAL SPECIALTIES

- Hip
- Specialties
- Knee

### Awards

- George Cierny III Memorial Award—OrthoCarolina Hip and Knee Center (Musculoskeletal Infection Society) 2019
- Top 10 Reviewer—Orthopedics 2018
- OrthoCarolina Catalyst Award Spring 2018
- Rothman-Ranawat Hip Society Travelling Fellowship 2015
- University of Louisville Department of Orthopaedic Surgery Gerhard Kuntscher Award (Chief Resident teaching award), 2009-2010
- University of Louisville Department of Orthopaedic Surgery Research Award, 2010

### Research

#### publications:

- Fehring KA, Curtin B, Springer BD, Fehring TK. One-Stage PJI Reimbursement—Is It Worth the Effort? J Arthroplasty 2019 (34) 2072-2074.
- Curtin BM and Odum SO. Unintended BPCI Consequences Following Removal of TKA from Inpatient Only List. J Arthroplasty. July 2019 34(7S); S121-S124.
- Carter J, Springer B, Curtin B. Early Complications of Revision Total Knee Arthroplasty in Morbidly Obese Patients. EJOST July 2019 29(5), 1101-1104.
- Stambough JB, Curtin BM, Odum SM, Cross MB, Martin JR, Fehring TK. Does Change in ESR and CRP Guide the Timing of Two-stage Arthroplasty Reimplantation? CORR. (2019) 477:364-371.
- Fehring TK, Odum SM, Curtin BM, Mason JB, Fehring KA, Springer BD. Should Depression be Treated Prior to Lower Extremity Arthroplasty? J Arthroplasty. 2018 Oct;33(10):3143-3146.
- Kamath AF, Chitnis AS, Holy C, Lerner J, Curtin B, Lochow S, DeCook C, Matta JM. Medical resource utilization and costs for total hip arthroplasty: benchmarking an anterior approach technique in the Medicare population. J Med Econ. 2017 Oct 15:1-14. doi: 10.1080/13696998.2017.1393428
- Curtin BM, Russell RD, Odum SM. Bundled Payments for Care Improvement: Boom or Bust? J Arthroplasty. 2017 Oct;32(10):2931-2934. doi: 10.1016/j.arth.2017.05.011.

- Cipriano C, Erdle N, Li K, **Curtin B**. Pre versus post-operative initiation of warfarin therapy in patients undergoing total hip and knee arthroplasty. *Orthopedic Clinics of North America*. 2017 Jan;48(1):9-13. DOI: 10.1016/j.ocl.2016.08.003.
- VanDoren BA, Odum SM, **Curtin BM**, Springer BD. Incidence and Comparative In-Hospital Outcomes for Periprosthetic Fracture: ORIF versus Revision Total Joint Surgery. *Value in Health*. April 2016 19(3);A225.
- Odum SM, VanDoren BA, **Curtin BM**, Mason JB. Projections for Total Joint Arthroplasty Demand for the Next Generation. *Value in Health*. April 2016 19(3);A86.
- Pomeroy CL, Mason JB, Fehring TK, Masonis JL, **Curtin BM**. Radiation Exposure During Fluoro-Assisted Direct Anterior Total Hip Arthroplasty. *J Arthroplasty*. 2016 Aug;31(8): 1742-1745.
- **Curtin BM**, Armstrong LC, Bucker BT, Odum SM, Jiranek WA. Patient Radiation Exposure During Fluoro-Assisted Direct Anterior Approach Total Hip Arthroplasty. *J Arthroplasty*. 2016 June;31(6): 1218-1221.
- Kannan A, O'Connell RS, Kalore N, **Curtin B**, Hull JR, Jiranek WA. Revision TKA for Flexion Instability Improves Patient Reported Outcomes. *J Arthroplasty*. 2015 May;30(5):818-21.
- **Curtin B** and Friebe I. Dermal Burn After Hip Arthroscopy—A Case Report. *Orthopedics*. 2014 Aug;37(8):e746-9. doi: 10.3928/01477447-20140728-93.
- **Curtin B**, Fehring TK, and Lauber J. Errors in Knee Alignment Using Fixed Femoral Resection Angles. *Orthopedics*, 2014 July;37(7) e644-8.
- Cipriano C and **Curtin B**. The Hip: Preservation, Replacement, and Revision. Chapter 44: Preoperative Clinical Evaluation. Editors Parvizi J, Goyal N, and Cashman J. (In press)
- **Curtin B**, Yakkanti M, Malkani A. Post-Operative pain and contracture following TKA comparing Parapatellar and Subvastus Approaches. *J Arthroplasty*. 2014 Jan;29(1): 33-6.
- Arun Kannan, MBBS; Laura Luhaye, MD, **Brian M. Curtin**, MD, William A. Jiranek, MD. Anesthesia Management in Obese Patients undergoing Total Joint Replacement. American Academy of Orthopaedic Surgeons Web site: Orthopaedic Knowledge Online Journal 2013 11(6): [http://orthoportal.aaos.org/oko/article.aspx?article=OKO\\_ADU063](http://orthoportal.aaos.org/oko/article.aspx?article=OKO_ADU063).
- Vikrant Azad, MD; **Brian Curtin**, MD; William A. Jiranek, MD. Obesity and Venous Thromboembolic Risk in Total Joint Replacement. American Academy of Orthopaedic Surgeons Web site: Orthopaedic Knowledge Online Journal 2013 11(6): [http://orthoportal.aaos.org/oko/article.aspx?article=OKO\\_ADU062](http://orthoportal.aaos.org/oko/article.aspx?article=OKO_ADU062).
- **Curtin B**, Malkani A, Lau E, Kurtz S, Ong K. Revision after total knee arthroplasty and unicompartmental knee arthroplasty in Medicare population. *J Arthroplasty*. 2012 Sep;27(8):1480-6.
- **Curtin B** and Fehring TK. Bisphosphonate Fractures as a Cause of Painful Total Hip Arthroplasty: A Case Report. *Orthopedics*. 2011 Dec 6;34(12):e939-44.
- **Curtin B**, Abbott D, Nyland J, and Caborn D. Bilateral bucket handle medial plica in an adolescent. *Knee Surg Sports Traumatol Arthrosc*. Oct 2009.
- Fisher B, Nyland J, Brand E, **Curtin B**. Medial Patellofemoral Ligament Reconstruction for Recurrent Patellar Dislocation: A Systematic Review Including Rehabilitation and Return-to-Sports. *Arthroscopy*. 2010 Oct;26(10):1384-94.
- Nyland J, Fisher B, **Curtin B**. (In Press). Conservative Treatment of Patellofemoral Joint Instability. In Mahmut Nedim Doral, MD (Ed), *Sports Injuries*. Springer-Verlag.

2 Abstracts in *Gastroenterology* 2000, Vol. 118:

- \*1704 G PROTEIN-COUPLED RECEPTOR KINASE (GRK) SPECIFICITY OF ENDOGENOUS TYPE I VASOACTIVE INTESTINAL POLYPEPTIDE (VIP) RECEPTOR EXPRESSED ON THE SURFACE OF HEK 293 CELLS. Michael A. Shetzline, Julia K. Walker, Brian M. Curtin, Richard T. Premont, Marc G. Caron, Duke University Med Ctr, Durham, NC.
- \*1705 THE ROLE OF PROTEIN KINASE A (PKA) DEPENDENT PHOSPHORYLATION OF THE SECRETIN RECEPTOR IN RECEPTOR INTERNALIZATION. Michael A. Shetzline, Julia K. Walker, Brian M. Curtin, Richard T. Premont, Marc G. Caron, Duke University Med Ctr, Durham, NC.

#### presentations:

- 2019 AAHKS Poster Presentation. Rate of Hip OA in Spine Patients—Utility of Including Femoral Heads on Plain Film A/P Lumbar

- Radiographs. November 2019. Dallas, TX.
- 2019 AAHKS Poster Presentation. A Risk Assessment Tool Based on Orthopedic Psychosocial and Health Status Factors is Associated with Post-Acute Care Resources. November 2019. Dallas, TX.
  - Novant Annual Trauma Conference and Wellness Meeting. “Hip and Knee Trauma” August 1, 2019.
  - “Why I Choose Cemented TKA Today”. Southern Orthopedic Association Annual Meeting. July 2019.
  - 2019 AAOS Poster Presentation. Lessons Learned After Three Years in Bundled Payments: Tales from a Privademic Practice. March 2019. Las Vegas, NV
  - 2019 AAOS Podium Presentation. “One-Stage Periprosthetic Joint Infection Reimbursement—Is It Worth The Effort? March 2019. Las Vegas, NV.
  - 2019 AAOS Poster Presentation. “Does Surgeon Attire Affect Patient Satisfaction: A Multi-Center, Nationwide Study. March 2019 . Las Vegas, NV
  - 2018 Israeli Orthopedic Association Podium Presentation. “Does Surgeon Attire Affect Patient Satisfaction: A Multi-Center, Nationwide Study. December 2018 . Tel Aviv, Israel. (Dr. Spitzer)
  - 2018 AAHKS Annual Meeting Podium Presentation: “Unintended BPCI Consequences Following Removal of TKA from Inpatient Only List. Nov. 1-4, 2018. Dallas, TX.
  - 2018 Hip Society Summer Meeting Presentation. “One-Stage PJI Reimbursement—Is is Worth the Effort?” October 4-6, 2018. New York, NY. (Dr. Fehring)
  - 2018 Spring AAHKS Meeting Symposium. “Periprosthetic Joint Infection—What is the role of 1 vs 2 stage in Periprosthetic Infection?” May 4, 2018. Miami, FL.
  - 2018 AAOS Poster Presentation. “Are Preoperative Depressive Symptoms a Contraindication for Lower Extremity Arthroplasty?” March 6, 2018. New Orleans, LA.
  - 2017 AAOS Annual Meeting Podium Presentation. “Bundled Payments for Care Improvement (BPCI): Boom or Bust?” March 15, 2017. San Diego, CA
  - 2017 AAOS Annual Meeting Podium Presentation. “Is There Value in Retrospective 90-day Bundle Payment Models for Orthopedic Procedures? March 14, 2017. San Diego, CA
  - 2017 AAOS Poster Presentation. “Updated Projections for Total Joint Arthroplasty Demand for the Next Generation”. Odum SO, Van Doren BA, Curtin B, Fehring TK, Mason JB. San Diego, CA.
  - 2016 AAHKS Annual Meeting Podium Presentation: “Anterior Capsulectomy versus Repair in Direct Anterior Total Hip Arthroplasty”. Nov. 11-13, 2016. Dallas, TX.
  - 2016 AAHKS Annual Meeting Poster Presentation. “Bundled Payments for Care Improvement (BPCI): Boom or Bust?” Nov. 11-13, 2016. Dallas, TX.
  - 2016 AAHKS Annual Meeting. “Ask the Experts: Primary Total Hip”. Nov. 11, 2016.
  - NCOA 2016 Annual Meeting: “Bundled Payments for Care Improvement (BPCI): Boom or Bust?” Oct. 7-9, 2016. Pinehurst, NC.
  - NCOA 2016 Annual Meeting: “Incidence and Comparative In-hospital Outcomes of Periprosthetic Fracture: ORIF vs Revision Total Joint Surgery” Oct. 7-9, 2016. Pinehurst, NC.
  - 2016 Oscar Miller Day. “Unsolved Problems in THA: Psoas impingement and Tendonitis.” September 30, 2016. Charlotte, NC.
  - PAOS Hips & Knees in the Carolinas: Current Concepts in Arthroplasty. “DVT Prophylaxis: What Should We Be Doing?” April 28-May1, 2016. Charlotte, NC.
  - 2016 ISPOR (International Society for Pharmacoeconomics & Outcomes) 21<sup>st</sup> Annual International Meeting. Poster Presentation. “Incidence and Comparative In-Hospital Outcomes for Periprosthetic Fracture: ORIF Versus Revision Total Joint Surgery”. Van Doren BA, Odum SM, Curtin B, Stryker L, Springer B. May 21-25, 2016. Washington, DC.
  - 2016 ISPOR (International Society for Pharmacoeconomics & Outcomes) 21<sup>st</sup> Annual International Meeting. Poster Presentation. “Projections for Total Joint Arthroplasty Demand for the Next Generation”. Van Doren BA, Odum SM, Curtin B, Springer B. May 21-25, 2016. Washington, DC.
  - 2015 ISTA Poster Presentation. “Cipriano C, Erdle N, Li K, Curtin B. Pre versus post-operative initiation of warfarin therapy in patients undergoing total hip and knee arthroplasty. Vienna, Austria.
  - 2015 AAOS Poster Presentation. “Effect of Low Vitamin D Levels on Synovial Inflammation of the Hip and Knee”. Waldrop L, Maiti M, Cardea J,

- Curtin B, Golladay G, and Jiranek WJ. March 2015. Las Vegas, NV.
- 2015 ISPOR (International Society for Pharmacoeconomics & Outcomes) 20<sup>th</sup> Annual International Meeting. Poster Presentation. “Hospital-Reported Frequency and Excess Cost of Foreign Objects Left in the Body During Total Joint Arthroplasty.” Van Doren BA, Odum SM, and Curtin B. May 16-20, 2015. Philadelphia, PA.
  - 2013 AAHKS Poster Presentation. “Flexion Instability after TKA: Analysis of diagnostic features, radiologically evident surgical corrections and clinical outcome”. A Kannan, B Curtin, and W Jiranek. November 8-10, 2013. Dallas, TX.
  - 2013 ACR/AHRP Annual Meeting Poster Presentation. “The Impact Of Arthritis Type On Post-TJR Functional Gain: Outcomes in RA Vs. OA Patients “. L Harrold, P Franklin, D Ayers, and B Curtin, MD. October 25-30, 2013. San Diego, CA.
  - 2013 AAOS Poster Presentation. “Results of open osteochondroplasty for femoroacetabular impingement—a minimum 2 year follow-up. Brian Curtin and John Masonis.
  - 2012 Virginia Orthopaedic Society Podium Presentation—“ Results of open osteochondroplasty for femoroacetabular impingement—a minimum 2 year follow-up. Brian Curtin and John Masonis.
  - 2012 VCU Department of Orthopaedic Surgery Grand Rounds. “Hip Replacement Bearings and Recent Recalls—The Canary is Dead”. April 26, 2012.
  - Lewis Ginter Botanical Gardens Community Health Seminar. “The nuts and bolts of hip and knee replacement”. April 12, 2012. Richmond, VA.
  - 2012 AAOS Podium Presentation—“ Errors in Knee Alignment Using Fixed Femoral Resection Angles”. Brian Curtin, MD; Thomas Fehring, MD, and Jessica Lauber, PA-C. San Francisco, CA.
  - 2011 AAOS Poster Presentation—“Revision following TKA and UKA in the Medicare Population”. Brian Curtin, MD; Arthur Malkani, MD; Edmund Lau, MS; Steven Kurtz, PhD; Kevin Ong, PhD. San Diego, CA.
  - 2009 KOS Resident Research Symposium—“Post-operative pain and contracture following TKA comparing parapatellar and subvastus approaches.
  - 2009 International Trauma Symposium. Berlin, Germany. Presentation and Workshop—HYDROSET AUGMENTATION FOR FRACTURE FIXATION. Brian Curtin, MD and David Seligson, MD.
  - 2009 Mid-America Orthopaedic Association Annual Meeting. Podium Presentation--POST-OPERATIVE PAIN AND CONTRACTURE FOLLOWING TKA COMPARING PARAPATELLAR AND SUBVAST <https://www.orthocarolina.com/...> APPROACHES. Madhu Yakkanti, MD, Brian Curtin, MD, Arthur Malkani, MD.
  - Poster Presentation 2009 MAOA-- EVALUATION OF TIBIA FRACTURE UNION WITH FINE-CUT CT SCANS AND PLAIN RADIOGRAPHY. Brian Curtin, MD, Madhu Yakkanti, MD, Craig Roberts, MD, Steven Glassman, MD.
  - 2008 KOS Resident Research Symposium—“Evaluation of Tibia Fracture Union with fine-cut CT Scans and plain radiography.”
  - March 2008 University of Louisville Spine Conference—“Vertebral Osteomyelitis”.
  - March 2008 University of Louisville Orthopaedic Surgery Grand Rounds—“Medial Patellofemoral Ligament Reconstruction”.
  - 2006 OTA Phoenix, AZ—“Review of Titanium Implants”.
  - 2000 Gastroenterology Conference Poster, San Diego, CA. G Protein-coupled receptor kinase (GRK) specificity of endogenous type I vasoactive intestinal polypeptide (VIP) receptor expressed on the surface of HEK 293 cells. Michael A. Shetzline, Julia K. Walker, Brian M. Curtin, Richard T. Premont, Marc G. Caron.
  - 2000 Gastroenterology Conference Poster. San Diego, CA. The role of protein kinase A (PKA) dependent phosphorylation of the secretin receptor in receptor internalization. Michael A. Shetzline, Julia K. Walker, Brian M. Curtin, Richard T. Premont, Marc G. Caron

#### Text Book Chapters:

- Mudrick C and **Curtin B**. Complex Primary and Revision Total Knee Arthroplasty: A Clinical Casebook. Chapter 13: Revision TKA: Management of Ligamentous Instability. Editors Bryan D. Springer and **Brian M. Curtin** . 1<sup>st</sup> Edition, Springer International Publishing. 2015.
- Cipriano C and **Curtin B**. The Hip: Preservation, Replacement, and Revision. Chapter 44: Preoperative Clinical Evaluation. Editors Parvizi J, Goyal N, and Cashman J. 2015.

- Loidolt T and **Curtin B.** Management of Knee Osteoarthritis in the Younger, Active Patient. Chapter 7: Unicompartmental Knee Arthroplasty in the Young Patient. 1<sup>st</sup> Edition, Springer International Publishing. 2015.