

Benjamin A. McArthur, MD

Washington Orthopedics and Sports Medicine

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Foreign Languages: Native Fluency in Spanish

EDUCATION

2004-2008 **Baylor College of Medicine**, Houston, Texas
Doctor of Medicine, with High Honors

2000-2004 **Rice University**, Houston, Texas
Bachelor of Arts, Summa Cum Laude

1997-2000 **Bryan High School**, Bryan, Texas
Valedictorian

1996-1997 **Bellaire High School**, Bellaire, Texas

POST GRADUATE EDUCATION AND TRAINING

2013-2014 **Mayo Clinic**, Rochester, Minnesota
Fellow in Adult Lower Extremity Reconstruction

2009-2013 **Hospital for Special Surgery**, New York, New York 10021
Resident in Orthopaedic Surgery

New York-Presbyterian Hospital/New York Weill Cornell Center, Weill
Medical College of Cornell University, New York, New York 10021
Clinical Associate in Orthopaedic Surgery

Memorial Sloan-Kettering Cancer Center, New York, New York 10021
Clinical Associate in Orthopaedic Surgery

2008-2009 **New York-Presbyterian Hospital/New York Weill Cornell Center**, Weill
Medical College of Cornell University, New York, New York 10021
Intern in General Surgery

CERTIFICATION

2013 ABOS Board Exam, Part 1

MEDICAL LICENSURES

2014 District of Columbia Department of Health
2014 State of Maryland Board of Physicians

PROFESSIONAL SOCIETIES

2011 American Association of Hip and Knee Surgeons – Candidate Member
2008 American Academy of Orthopaedic Surgeons – Candidate Member
2008 Alpha Omega Alpha Medical Honor Society – Lifetime Member
2008 Gold Humanism Honor Society – Lifetime Member

AWARDS & HONORS

2013 Selected for Resident Advisory Board of American Journal of Orthopedics
2013 Lewis Clarke Wagner Resident Research Award
2012 HSS ARJR Internal Research Grant
2012 OREF Resident Clinician Scientist Training Grant
2011 Eastern Orthopaedic Association Travel Grant
2008 Alpha Omega Alpha Medical Honor Society
2008 Gold Humanism Honor Society
2008 Doctor of Medicine with High Honors, Baylor College of Medicine
2008 Kenneth L. Burdon Award for Academic Excellence in Microbiology
2007 Recognition of Outstanding Achievement in Orthopedic Research: The Joseph Barnhardt Department of Orthopedic Surgery, Baylor College of Medicine
2006 Highest Honors in Basic Sciences: Awarded to top 3 students after Basic Science Curriculum
2004 Phi Beta Kappa Honor Society
2004 Bachelor of Arts, Summa Cum Laude, Rice University
2000-2003 President's Honor Roll
2004 National Dean's List
2004 Golden Key Association
2003 Baylor College of Medicine Summer Medical and Research Training Program
2000-2008 Rice/Baylor Medical Scholar

TEAM COVERAGE EXPERIENCE

2011 Team Physician, Curtis High School Football, NYC Public School Athletic League, New York, NY
2005 Medical Volunteer Houston Marathon, Houston, Texas
2005 Houston Independent School District High School Pre-season Physicals, Houston, Texas

ADMINISTRATIVE EXPERIENCE

- 2012-Present House Staff Quality Council – Member, Hospital for Special Surgery, New York, NY
- 2011-Present Adult Reconstruction and Joint Replacement Resident/PA “Transition of Care Workgroup” – Member, Hospital for Special Surgery, New York, NY
- 2009-Present Resident/PA Committee – Member, Hospital for Special Surgery, New York, NY
- 2009-Present Caspary Estate Committee – Member, Hospital for Special Surgery, New York, NY
- 2007-2008 Baylor Orthopedic Surgery Society – Treasurer, Baylor College of Medicine, Houston, Tx
- 2006-2007 National Network of Latin American Medical Students – Program Coordinator for Community Health Education Program, Baylor College of Medicine, Houston, Tx

LOCAL AND NATIONAL SERVICE

- 2014-Present Journal Reviewer, Bone and Joint Journal, London, UK
- 2014 American Journal of Orthopedics Resident Advisory Board
- 2011-Present Journal Reviewer, HSS Journal, New York, NY
- 2009-Present Journal Reviewer, Clinical Orthopaedics & Related Research, Philadelphia, PA
- 2008- Present Pediatric Outreach Program Participant, Hospital for Special Surgery, New York, NY
- 2011 Greenberg Academy of Successful Aging: “Exercises for Older Adults with Osteoarthritis” Workshop Leader, Hospital for Special Surgery, New York, NY
- 2007-2008 Mentor: Big Brothers/Big Sisters Program, Houston, TX
- 2002-2004 Volunteer Medical Interpreter, Ben Taub General Hospital, Houston, TX
- 2001-2003 Student Mentor: Wharton Elementary School/Rice University mentorship program, Houston, TX
- 1999-2000 Volunteer Interpreter, Health For All Free Clinic, Bryan, TX

PEER-REVIEWED PUBLICATIONS

- 1) **McArthur BA**, Abdel MP, Taunton MJ, Osmon DR, Hanssen AD. Seronegative Periprosthetic Joint Infection: Aspiration is Still the Gold Standard. BJJ: Manuscript submitted
- 2) **McArthur BA**, Howe BM, Schueler BA, Taunton MJ, Trousdale RTT. Radiation Exposure During Fluoroscopic Guided Direct Anterior Total Hip Arthroplasty. Journal of Arthroplasty: Manuscript Submitted

- 3) Wyles CC, Houdek MT, Wagner ER, Jimenez-Almonte JH, **McArthur BA**, Trousdale RT. Ceramic Femoral Heads for All Patients: An Argument for Cost Containment in Hip Surgery. *BJJ: Manuscript Submitted*
- 4) Cross MB, Cicalese E, Nam D, **McArthur BA**, Lipman JD, Figgie MP. Results of custom-fit, noncemented, semiconstrained total elbow arthroplasty for inflammatory arthritis at an average of eighteen years of follow-up. *J Shoulder Elbow Surg.* 2014 May 13. pii: S1058-2746(14)00165-7. doi: 10.1016/j.jse.2014.02.026. [Epub ahead of print]
- 5) Nam D, Cross MB, Abdel MP, Lamont L, Reinhardt KR, **McArthur B**, Mayman DJ, Hanssen A, Sculco TP. The Management of Extensor Mechanism Complications in Total Knee Arthroplasty. *J Bone Joint Surg Am.* 2014 Mar 19;96(6):e47
- 6) **McArthur BA**, Vulcano E, Nam D, Cross MB, Nguyen J, Salvati E. Acetabular Component Positioning in THA: The Impact of Obesity. *Hip Int.* 2014 Mar 17:0. doi: 10.5301/hipint.5000125. [Epub ahead of print]
- 7) Illingworth KD, Mihalko WM, Parvizi J, Sculco T, **McArthur B**, el Bitar Y, Saleh KJ. How to Minimize Infection and Maximize Patient Outcomes in Total Joint Arthroplasty: A Multicenter Approach. *J Bone Joint Surg Am.* 2013 Apr;95(8):e501-13.
- 8) **McArthur BA**, Cross M, Nam D, Sculco T. Dual-Mobility Acetabular Components in Total Hip Arthroplasty. *Am J Orthop.* 2011. Accepted.
- 9) **McArthur BA**, Dy CJ, Fabricant PD, Gonzales DellaValle A. Longterm safety, efficacy and patient acceptability of 1% sodium hyaluronate (Eufflexa) injection in patients with painful osteoarthritis of the knee. *Patient Prefer Adherence.* 2012;6:905-10. doi: 10.2147/PPA.S27783. Epub 2012 Dec 12.
- 10) Nam D, **McArthur BA**, Cross MB, Pearle AD, Mayman DJ, Haas SB. Patient Specific Instrumentation in Total Knee Arthroplasty: A Review. *J Knee Surg.* 2012 Jul;25(3):213-9
- 11) McLawhorn A, Nam D, **McArthur B**, Su E. Preoperative Templating and Intraoperative Application for Appropriate Component Positioning in Hip Resurfacing Arthroplasty. *Am J Orthop.* 2012 Dec;41(12):E157-62
- 12) **McArthur BA**, Cross M, Geatrakas C, Nguyen J, Mayman D, Ghelman B. Measuring acetabular component version after THA: CT or Plain Radiograph? *Clin Orthop Relat Res.* 2012 Oct;470(10):2810-8.

- 13) Domb BG, Shindle MK, **McArthur BA**, Magennis EM, Kelly BT. Iliopsoas Impingement: A Newly Identified Cause of Labral Pathology in the Hip. *HSSJ*, 2011;7: 145-150

BOOK CHAPTERS

- 1) **McArthur B**. "Hip Reconstruction: Common Complications". Passport for the Orthopedic Boards Revalidation. Ed. Cyril Mauffrey and David Hak. In print
- 2) Heyworth B, **McArthur B**, Kelly B. "Anterior Hip Muscle Injuries". Hip and Pelvis injuries in Sports Medicine. ed. Carlos Guanche. Philadelphia. Lippincott Williams & Wilkins, 2010. 192-199
- 3) Unnanuntana A, Gladnick BP, **McArthur B**, McCarthy M, Lane JM. Metabolic bone diseases. In: Wiesel B, editor. Orthopaedic Surgery: Principles of Diagnosis and Treatment. Ed. Weisel B, Sankar W, Delahay J, Weisel S. Philadelphia. Lippincott Williams & Wilkins, 2011. 97-117

ABSTRACTS AND/OR PROCEEDINGS

- 1) Wolff A, Plowden T, Napoli A, **McArthur BA**, Wolff E. Cam type Femoroacetabular Impingement associated with Marker for Hyperandrogenism in Women. American Association of Hip and Knee Surgeons annual meeting, Dallas, Texas, November 6-9th, 2014
- 2) Wolff A, Plowden T, Napoli A, **McArthur BA**, Wolff E. Cam type Femoroacetabular Impingement associated with Marker for Hyperandrogenism in Women. International Society of Hip Arthroscopy annual meeting, Rio de Janeiro, Brazil, October 9-11th, 2014
- 3) **McArthur BA**, Taunton MJ, Howe BM, Schueler BA, Trousdale RT. Radiation Exposure during Fluoroscopic Guided Direct Anterior Approach for Total Hip Arthroplasty. Mid-American Orthopedic Association annual meeting, San Antonio, Texas, April 23-27th, 2014.
- 4) **McArthur BA**, Vulcano E, Nam D, Cross MB, Nguyen J, Salvati E. Acetabular Component Positioning in THA: The Impact of Obesity. American Academy of Orthopedic Surgeons Annual Meeting, Chicago, Illinois, March 19-23rd, 2013.
- 5) Nam D, Cross MB, Abdel MP, Lamont L, Reinhardt KR, **McArthur B**, Mayman DJ, Hanssen A, Sculco TP. The Management of Extensor Mechanism Complications in Total Knee Arthroplasty. American Academy of Orthopedic Surgeons Annual Meeting, Chicago, Illinois, March 19-23rd, 2013.

- 6) Madsen R, **McArthur BA**, Dvorzhinskiy A, Ross FP, Bostrom MP, Fahlgren A. Fluid Flow Induced Osteoclast Differentiation Is Associated With Alterations In Genes Regulating IL-6 Signaling, Cell Death And Osteoblast Differentiation. Orthopedic Research Society Annual Meeting, San Antonio, Texas, January 26th-29th, 2013.
- 7) Dvorzhinskiy A, Madsen R, **McArthur BA**, Andersson G, Ross FP, Bostrom MP, Fahlgren A. Fluid flow induced osteoclast differentiation is associated with alterations in genes regulating apoptosis, necrosis and osteoblast differentiation. The American Society for Bone and Mineral Research Annual Meeting, Minneapolis, Minnesota, October 12-15th 2012.
- 8) **McArthur BA**, Grosso M, Michaels B, Mayman D. Accuracy of Pelvic Tilt Adjusted Anteversion Measurements in Imageless Navigation. International Society for Technology in Arthroplasty 25th Annual Meeting, Sydney, Australia, October 3-6th, 2012
- 9) Fahlgren A, Madsen R, Dvorzhinskiy A, **McArthur B**, Andersson G, Ross P, Bostrom M. Fluid flow induced osteoclast differentiation is associated with alterations in genes regulating IL-6 signaling, cell death and osteoblast differentiation. European Orthopaedic Research Society 20th Annual Meeting, Amsterdam, NL, September 26th-28th, 2012
- 10) **McArthur BA**, Vulcano E, Nam D, Cross MB, Nguyen J, Salvati E. Acetabular Component Positioning in THA: The Impact of Obesity. European Hip Society Meeting, Milan, Italy, September 20th-22nd, 2012
- 11) **McArthur BA**, Vulcano E, Nam D, Cross MB, Nguyen J, Salvati E. Acetabular Component Positioning in THA: The Impact of Obesity. Eastern Orthopedic Association Annual Meeting, Bolton Landing, New York, June 20th-23rd, 2012
- 12) Saleh KJ, Mihalko WM, Parvizi J, **McArthur BA**, Sculco TP. How to Minimize Infection Risk and Maximize Patient Outcomes in Total Joint Replacement. American Academy of Orthopedic Surgeons Annual Meeting, San Francisco California February 7th-11th, 2012
- 13) Cross M, Nam D, Reinhardt K, **McArthur BA**, Bostrom MPG. A Clinician's Guide to Pharmacologic Agents in Orthopaedic Surgery. American Academy of Orthopedic Surgeons Annual Meeting, San Francisco California February 7th-11th, 2012
- 14) **McArthur BA**, Cross M, Geatrakas C, Nguyen J, Mayman D, Ghelman B. Measuring acetabular component version after THA: CT or Plain Radiograph?

Orthopedic Research Society Annual Meeting, San Francisco CA, February 4th-7th, 2012

- 15) Cross MB, Nam D, **McArthur BA**, Lipman J, Figgie M. Results of non-cemented semi-constrained Total Elbow Arthroplasty for Inflammatory Arthritis: A minimum fifteen year follow-up. Closed Meeting of American Shoulder and Elbow Surgeons, White Sulphur Springs, WV, October 12th-15th 2011
- 16) Cross MB, Nam D, **McArthur BA**, Lipman J, Figgie M. Results of non-cemented semi-constrained Total Elbow Arthroplasty for Inflammatory Arthritis: A minimum fifteen year follow-up. Eastern Orthopedic Association 42nd Annual Meeting, Williamsburg, VA October 19th-22nd 2011
- 17) Goytia R, **McArthur BA**, Noble PC, Mathis KB, Ismaily SK, Irwin D, Usrey MM, Conditt MA. The Variability of Patello-Femoral Morphology in TKR: Males vs Females. American Association of Hip and Knee Surgeons 19th Annual Meeting, Dallas, TX November 6th-8th 2009
- 18) Goytia R, **McArthur BA**, Noble PC, Ismaily S, Irwin D, Usrey MM, Conditt MA, Mathis KB. Does Gender Explain the Variability of Patello-Femoral Morphology Observed in TKR? International Society for Technology in Arthroplasty 22nd Annual Congress, Big Island, Hawaii October 22nd-24th 2009
- 19) Goytia R, **McArthur BA**, Noble PC, Mathis KB, Ismaily SK, Irwin D, Usrey MM, Conditt MA. The Variability of Patello-Femoral Morphology in TKR: Males vs Females. Orthopaedic Research Society 54th Annual Meeting San Francisco, CA March 2nd-5th 2008