

# Curriculum Vitae

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**Physician Assistant &**  
**Clinical Research**  
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## Education

- 8/'05–4/'07 **Master of Science.** Clinical Research Design and Statistical Analysis (CRDSA), University of Michigan, School of Public Health, Department of Biostatistics. Ann Arbor, Michigan (Graduated April 27, 2007).
- 7/'04 **Certificate of Completion.** Introduction to Biostatistics course. University of Michigan. Graduate Summer Session in Epidemiology (Completed July 2004).
- 8/'97-9/'98 **Physician Assistant Surgical Residency.** Spectrum-Health/Western Michigan University PA Surgical Residency, Grand Rapids, Michigan (Graduated September 1998).
- 8/'95-8/'97 **Bachelor of Science in Medicine.** Physician Assistant Program, Western Michigan University, Kalamazoo, Michigan (Graduated, August 1997).
- 8/'92-6/'94 **Master of Arts.** Athletic Training, Western Michigan University, Kalamazoo, Michigan (Graduated, June 23, 1994).
- 8/'87-3/'92 **Bachelor of Science.** Exercise Science, Athletic Training Emphasis, Michigan State University, East Lansing, Michigan (Graduated March 14, 1992).

## Certification/Licensure

- 1997-Present **Physician Assistant License, State of Michigan (License # 5601002817)** (Expires 8/31/2009)
- 2002-Present **DEA Controlled Substance Registration, State of Michigan** (Expires 6-30-2011)
- 1997-Present **NCCPA Certified.** Certified December 1997, with current Michigan licensure (Certification Expires 12/31/2010)
- 1992-Present **Board of Certification, Athletic Training (NATA/BOC).** Certified February 9, 1992. Certification Current. (Certification # 05902392, Member # 891128).
- 1996–2007 **Advanced Cardiac Life Support (ACLS).** No longer required 2007.
- 1996-Present **Basic Life Support (BLS).** (Expires 9/2009)

## **Academic and Clinical Appointments** *(see Academic and Clinical portfolio)*

- 1998-Present      **Physician Assistant (PA-C).** Department of Orthopaedic Surgery-MedSport, University of Michigan Health System.
- 2007-Present      **Clinical Research.** Department of Orthopaedic Surgery – MedSport, University of Michigan Health System.
- 2003-Present      **Adjunct Lecturer.** Eastern Michigan University, College of Education, School of Health and Human Performance.
- 2001-2004          **Team Physician Assistant – Eastern Michigan University Athletics.**
- 1997-1998          **Physician Assistant Surgical Resident.** Spectrum-Health/Western Michigan University PA Surgical Residency, Grand Rapids, Michigan (Graduated, September 1998).
- 1994–1995          **Certified Athletic Trainer.** K-Valley Orthopedics & S. W. Michigan Sports Medicine.
- 1992-1994          **Graduate Assistant Athletic Trainer (Certified).** Western Michigan University.
- 1990, 1991          **Detroit Lions Professional Football Organization.** Student athletic trainer.
- 1987-1992          **Student Athletic Trainer.** Michigan State University.

## **Administrative Appointments** *(see Administrative Portfolio)*

- 2007-Present      **Interim, Lead Physician Assistant.** Department of Orthopaedic Surgery, University of Michigan Health System.
- 2001-2002          **Director/Developer - First Annual MedSport Sports Medicine Symposium.** “Surgical and rehabilitative approaches to the knee and shoulder”.

## **Research Interests**

Focus on outcomes research involving injuries and conditions of the shoulder and knee, rotator cuff disease, shoulder instability and the biceps.

## Honors and Awards

- 2007        **Gerald A O'Connor M.D. Team Member of the Year Award.**  
Department of Orthopaedic Surgery- MedSport.
- 1995        **Dean's List.** Western Michigan University Physician Assistant Program.
- 1991        **Student Athletic Trainer of the Year.** Michigan State University.

## Professional Organizations

- 1995-Present        Fellow, American Academy of Physician Assistants (AAPA)
- 2001-Present        Michigan Academy of Physician Assistants (MAPA)
- 1992-Present        National Athletic Trainers Association Board of Certification  
(NATA/BOC)

## Peer-Review Service

- 2007-Present        Infection Control and Hospital Epidemiology

## Teaching

- 2003 - Present        **Adjunct Lecturer.** Eastern Michigan University, College of Education, School of Health Promotion and Human Performance.
- 2004-Present        **Preceptor,** Physician Assistant Students. Western Michigan University, James Madison University & Loma Linda University PA programs.
- 2003        **"Examination of the Hip"**. University of Michigan-MedSport 2<sup>nd</sup> Annual Sports Medicine Symposium, Presented April 10, 2003.
- 2002        **Guest Lecturer.** Eastern Michigan University, Athletic Training program.
- 2000        **"Post-Operative Issues in Outpatient Orthopaedic Surgery"**. Presented to MedSport Physical Therapy. August 17, 2000.
- 2000        **"Physician Assistants"**. Presented to undergraduate students at the University of Michigan. March 2000.
- 1995        **Teaching assistant.** Western Michigan University, Physician Assistant program.

1992-1994            **In-service Instructor.** Western Michigan University, Athletic Training program.

### **Committee and Organizational Service**

2001-2005            **Marketing Committee.** Assisted with all marketing ventures for University of Michigan – MedSport.

1996                    **Senior Class Representative to Chairperson Search Committee.** Western Michigan University PA program.

1995-1997            **Student Representative.** Western Michigan University to AAPA House of Delegates.

1995-1997            **Student Representative.** Western Michigan University to MAPA

### **Extramural Invited Presentations**

2007                    **“Tendinopathy: Pin Firing”.** Carolina Health System, Physical Therapy Skills Day, Charlotte North Carolina, April 2007.

2005                    **“Complications of Medial Opening Wedge High Tibial Osteotomy”.** Miller, Bruce. **Downie, Brian.** Wojtys, Edward. McDonough, Barry. Podium presentation by Dr. E. Barry McDonough, American Orthopaedic Society for Sports Medicine, May 2005.

2000                    **“ATC to PA-C, Dual Credentials in Medicine”.** Albion College Athletic Training program.

1993                    **Proprioceptive Neuromuscular Facilitation.** Hope College, Athletic Training program.

### **Bibliography**

#### *Peer-Reviewed Publications*

2009                    Miller BS, **Downie BK**, McDonough B, Wojtys EM. “Complications after Medial Opening Wedge High Tibial Osteotomy”. **Arthroscopy**, Vol 25 (6), 2009: pp 639-646.

2009                    **Downie, BK.** “Diagnostic Imaging Review: Knee pain and an abnormal xray in a downhill skier”. **JAAPA** 2009:22(2), 59-60.

2008                    Scibeck JS, Mell AG, **Downie BK**, Carpenter JE, Hughes RE. “Shoulder Kinematics in patients with full-thickness rotator cuff tears after a subacromial injection”. **JSES** 2008:17(1), 172-181.

*Poster Presentations*

- 2008            **“Reliability of a new device to measure knee laxity”**. Ruberte Thiele, R A; Egekeze, N; **Downie, B K**; Miller, B S. Presented at the Orthopaedic Research Society Annual Meeting, San Francisco, CA, March 2008.
- 2005            **“Complications of Medial Opening Wedge High Tibial Osteotomy”**. Miller, Bruce. Downie, Brian. Wojtys, Edward. McDonough, Barry. Poster presented at the American Orthopaedic Society for Sports Medicine Annual Conference, May 2005.