

## Curriculum Vitae

### **Sean Collins Marvil, MD**

Business Address: Taos Orthopedic Institute  
153 Gusdorf Rd, Taos NM 87571  
575-758-0009

### **Professional Statement**

*I promote the health and well being of people with orthopaedic impairments. I am acquiring orthopaedic skills and experience to treat all members of the community and promote community health by facilitating active lifestyles. I continue to broaden my practice to include all levels of athletes and the Special Operations communities of the U.S. Military. I will become a leader in the orthopaedic community and help advance the art and science of orthopaedics.*

### **Education**

- Sports Medicine Fellowship, Taos Orthopedics Institute, August 2015
- Orthopaedic Surgery Resident, Albert Einstein Medical Center, 2009 - 2014
- St. George's University School of Medicine, MD, 2005-2009
- The George Washington University, BS Biology/ Minor: Literature, 2000-2003
- Northern Virginia Community College, 1998-2000
- Valley Forge Military Academy, 1989-1993

### **Certification & Licensure**

- Pennsylvania Department of State Medical Physician & Surgeon
- U.S. Medical Licensing Exam, Steps 1 – 3
- Commonwealth of Virginia Emergency Medical Technician

### **Work Experience**

- Assistant Manager of Uniform & Equipment Department, Securiguard Inc., McLean, Virginia, 1998-2005
- Certified Professional Snowboard Instructor, Sunday River Ski Resort, Sunday River, Maine, 1996-98
- Carpenter & Mason's Tender, Gleeson Contractors, Sea Isle City, New Jersey, 1994-95

### **Honors**

Dean's List, The George Washington University, 2001-2003  
National Honor Society Academic Scholarship For Academic Excellence, 2000-2003  
National Honor Society For Academic Excellence, nominated by faculty, 1999-2001  
Dean's list, Northern Virginia Community College, 1998-2000  
Snowboard Instructor of the Year, nominated by peers and supervisors, 1996-1998

### **Publications**

*Evaluation of Knee Surgical Prepping Technique Using Genetically Modified E-coli Simulation Model. Sean C. Marvil, MD, Nathan C. Tiedeken, MD, Solomon P Samuel, D. Eng, Brett Sweitzer, MD. Accepted for publication, The Journal of Arthroplasty.*

James S. Raphael, M Rashad Booker, **Sean C. Marvil**, Minn H. Saing Anthony S Puglisi, Solomon P. Samuel: *Locked Plate Fixation of Proximal Humerus Fractures using Cannulated Subchondral Support Pegs*. Accepted for publication, Shoulder and Elbow.

Patrick J. Cahill MD, **Sean Marvil MD**, et al: *Autofusion in the Immature Spine Treated With Growing Rods*. Spine: 15 October 2010 - Volume 35 - Issue 22 - pp E1199-E1203

Cahill, Patrick J. MD, Asghar, Jahangir MD, **Marvil, Sean C. MD**, et al: *The Rate of Change in Spinopelvic Parameters Following Spondylolisthesis Surgery: Spine*. Affiliated Society Meeting Abstracts: 23–26 September 2009 - Volume 10 - Issue - p 160–161

### **Manuscripts in Progress**

Patrick J. Cahill, MD, **Sean C. Marvil**, Amer Samdani, MD, Jahangir Asghar, MD, Randal Betz, MD, *Influence of Surgical Intervention on Spinopelvic Parameters in Spondylolisthesis*. Shriners Hospital For Children, Philadelphia, Pennsylvania

**Sean C. Marvil**, Jahangir Asghar, MD, Amer Samdani, MD, Patrick J. Cahill, MD, Randal Betz, MD, *Infection After Spinal Surgery and Contributing Risk Factors*. Shriners Hospital For Children, Philadelphia, Pennsylvania

**Sean C. Marvil**, Jahangir Asghar, MD, Amer Samdani, MD, Patrick J. Cahill, MD, Randal Betz, MD, *Perioperative Complications And SRS Scores*. Shriners Hospital For Children, Philadelphia, Pennsylvania

### **Podium Presentations**

Orthopedic Research Society 2014 Annual Meeting, New Orleans, Louisiana: *Intraosseous pressure changes in cadaver calcaneus during simulated walking*. **Sean C. Marvil, MD**, John A. Handal MD, Patrick Marvil, BS, Brian L. Davis, PhD, Solomon P. Samuel, D. Eng.

Orthopedic Research and Education Foundation and Orthopedic Research Society Philadelphia Regional Resident Research Symposium 2012: *Evaluation of Knee Surgical Prepping Technique Using Genetically Modified E-coli Simulation Model*. **Sean C. Marvil, MD**, Nathan C. Tiedeken, MD, Solomon P Samuel, D. Eng, Brett Sweitzer, MD.

### **Poster Presentations**

*The Floating Hip: A unique presentation of a rare injury*. Tiedeken, NC, MD, **Marvil SC, MD**, Saldanha V, MD, Handal, J, MD, Raphael, J, MD Albert Einstein Medical Center Annual Research Day, May 2013 (Philadelphia, Pa)

*Intraosseous pressure changes in cadaver calcaneus during simulated walking*. **Sean C. Marvil, MD**, John A. Handal, MD, Patrick Marvil, BS, Brian L. Davis, PhD, Solomon P. Samuel, D. Eng. Albert Einstein Medical Center Annual Research Day, May 2013 (Philadelphia, Pa)

*Biomechanical Analysis Of Four External Fixation Pin Insertion Techniques*. Nathan C. Tiedeken, MD, Vilas Saldanha, MD, **Sean C. Marvil, MD**, David Hampton, MD, Gene W

Shaffer, MD, Solomon P Samuel, D. Eng. Eastern Orthopaedic Association 44<sup>th</sup> Annual Meeting, June 2012 (Lake George, NY)

*Evaluation of Knee Surgical Prepping Technique Using Genetically Modified E-coli Simulation Model.* **Sean C. Marvil, MD**, Nathan C. Tiedeken, MD, Solomon P Samuel, D. Eng, Brett Sweitzer, MD. Albert Einstein Medical Center Annual Research Day, May 2011 (Philadelphia, Pa)

*Locked Plate Fixation of Proximal Humerus Fractures using Cannulated Subchondral Support Pegs.* James S. Raphael, M Rashad Booker, **Sean C. Marvil**, Minn H. Saing Anthony S Puglisi, Solomon P. Samuel. Albert Einstein Medical Center Annual Research Day, May 2011 (Philadelphia, Pa)

### **Awards**

1. First Place, Podium Presentation: Department of Orthopedic Surgery Annual Resident Research Award, Albert Einstein Medical Center, Philadelphia Pennsylvania, 2013
2. First Place, Poster Presentation: Physician Education Foundation Resident Research Competition, Albert Einstein Medical Center, Philadelphia Pennsylvania, 2013
3. Third Place, Podium Presentation: Orthopedic Research and Education Foundation and Orthopedic Research Society Philadelphia Regional Resident Research Symposium, University of Pennsylvania, 2012
4. First Place, Podium Presentation: Physician Education Foundation Resident Research Competition, Albert Einstein Medical Center, Philadelphia Pennsylvania, 2012
5. First Place, Podium Presentation: Department of Orthopedic Surgery Annual Resident Research Award, Albert Einstein Medical Center, Philadelphia Pennsylvania, 2012
6. First Place, Poster Presentation: Physician Education Foundation Resident Research Competition, Albert Einstein Medical Center, Philadelphia Pennsylvania, 2012

### **Grand Rounds**

*Professionalism and Ethics.* Grand Rounds Presentation, Department of Orthopedic Surgery, Albert Einstein Medical Center, Philadelphia, Pennsylvania, 2014

*Pediatric Elbow Fractures.* Grand Rounds Presentation, Department of Orthopedic Surgery, Albert Einstein Medical Center, Philadelphia, Pennsylvania, 2013

*Bone Graft and Bone Graft Substitutes.* Grand Rounds Presentation, Department of Orthopedic Surgery, Albert Einstein Medical Center, Philadelphia, Pennsylvania, 2012

*Surviving Sepsis.* Grand Rounds Presentation, Department of Orthopedic Surgery, Albert Einstein Medical Center, Philadelphia, Pennsylvania, 2011

*Surgical Site Infection in Orthopaedic Surgery.* Grand Rounds Presentation, Department of Orthopedic Surgery, Albert Einstein Medical Center, Philadelphia, Pennsylvania, 2010

**Courses & Symposia**

- Orthopedic Research Society Annual Meeting (Presenter): New Orleans, LA, March 15-18, 2014
- American Arthroscopy Association of North America Resident Arthroscopy Course: Chicago, IL January 23-16, 2014
- Eastern Orthopedic Association 43rd Annual Meeting: Lake George, NY June 20-23, 2012
- AO North America - Hand, Wrist & Elbow Fracture Management Workshop: Philadelphia, PA April 14, 2012
- DePuy Spine's Future Leaders Bioskills Workshop: Addressing Adult & Adolescent Scoliosis: Philadelphia, PA March 3, 2012
- Pediatric Orthopaedic Society of North America and AAOS, Pediatric Orthopaedic Course: Orlando, FL, December 6-10, 2011
- Orthopaedic Pathology and Disease Course: Mt. Sinai, NY, November 5-7, 2010
- AO/ASIF Basic Fracture Skills Course: Phoenix, AZ January 13-17, 2010

**Volunteer & Leadership Experience**

Fairfax County, VA Volunteer Firefighter and Emergency Medical Technician, 2001-2009  
Junior Reserve Officer Training Corps, 1989-1993

**Interests & Hobbies**

Building Custom Motorcycles, Brazilian Jiu Jitsu, Lacrosse, Fishing, Surfing, Sailing, Free Diving, Hunting