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CURRICULUM VITAE

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Department of Pediatric Orthopaedic Surgery
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Current position: Pediatric Orthopaedic Surgeon
Assistant Professor
University of Colorado Medical School
Children's Hospital Colorado
Department of Pediatric Orthopaedic Surgery
Aurora, CO

Past positions:

8/1/99 to 3/1/2007 Pediatric Orthopaedic Surgeon
Assistant Professor
Tufts University School of Medicine
Department of Orthopaedic Surgery
Tufts-New England Medical Center
The Floating Hospital for Children
Boston, MA

8/1/99 to 3/1/2007 Director, Pediatric Orthopaedic Surgery
Northwoods Pediatric Specialty Clinics
Taunton, MA

Education:

8/83-5/87 Harvard College
Harvard University
B.A. Biochemical Sciences, *cum laude*

7/89-5/93 Columbia College of Physicians & Surgeons
Columbia University
New York, New York
Doctor of Medicine

Postdoctoral Training:

- 7/93-6/98 Residency, Orthopaedic Surgery
University of Maryland Hospital
R Adams Cowley Shock Trauma Center
Baltimore, Maryland
- 8/1/98-7/31/99 Pediatric Orthopaedic Surgery Fellowship
Hasbro Children's Hospital
Brown University School of Medicine
Providence, Rhode Island
Fellowship Director: Michael Ehrlich, MD
- Clinical Instructor
Brown University School of Medicine
Rhode Island Hospital
Providence, Rhode Island

Licensure: American Board of Orthopaedic Surgery Board Certified July 2001,
recertified 2010
Massachusetts Medical License #160794
National Board of Medical Examiners *certificate* #425993
Colorado Medical License #51557, issued 07/18/2012

Society Membership:

Fellow, American Academy of Orthopaedic Surgeons Elected August 2002

Pediatric Orthopaedic Society of North America, member 2002

Awards:

The St. Giles's Young Investigator Award, Pediatric Orthopaedic Society of North America, May 2006.

The Michael Cronin Award, for extraordinary service, The Chernobyl Children's Project, June 2003.

The Oliver Smith Award, for extraordinary service, Tufts-New England Medical Center, October 2006.

Committee Membership:

- Tufts University School of Medicine Faculty Senate 2000-2007
Kiwaniis Pediatric Trauma Institute Physicians Committee 2000-2007
Pediatric Orthopaedic Society of North America, Trauma Committee 2004-2007

Pediatric Orthopaedic Society of North America, Evidence Based Medicine 2012-2015
Pediatric Orthopaedic Society of North America, QSVI 2015-present

Book Chapters:

Murphy Zane MS: “Pediatric Neuromuscular Disorders”, in JR Lieberman, editor. AAOS Comprehensive Orthopaedic Review, AAOS, Rosemont IL, 2009.

Murphy Zane MS: “Pediatric Neuromuscular Disorders”, in JR Lieberman, editor. AAOS Comprehensive Orthopaedic Review, AAOS, 2nd ed. Rosemont IL, 2014.

Peer-Review Publications:

Held, M, Mignemi M, O’Rear L, Wise M, Zane G, Murphy Zane, MS, Schoenecker JG. Stuffed Animals in the Operating Room: A Reservoir of Bacteria with a Simple Solution. *J Ped Ortho*, 2015 Dec;35(*):e110-112.

Scherl SA, KE Rathjen, J Gerardi, G Kiefer, G Georgopoulos, MS Murphy Zane, et al. Opinion survey regarding pediatric orthopaedic trauma call and emergency trauma management. *J Ped Ortho*. 2008 June 28 (4):391-393.

Wright JG, Yandow S, Simple Bone Cyst Trial Group. A randomized clinical trial comparing intralesional bone marrow and steroid injections for simple bone cysts. *JBJS AM*. 2008 Apr;90(4):722-30.

CT Moorman, MS Murphy Zane, et al. Tibial Insertion of the Posterior Cruciate Ligament: A sagittal plane analysis using gross, histologic, and radiographic methods. *Arthroscopy*. 2008 March (24): 269-275.

M Siobhan Murphy Zane, MJ Goldberg. *JBJS Classics: Experiences with epiphyseal arrest in correcting discrepancies in length of the lower extremities in infantile paralysis by William T. Green, MD and Margaret Anderson, MS. JBJS*. 2003 June: 1163.

Robert J Brumback, T Toal, MS Murphy Zane, et al. Immediate weight-bearing after treatment of a comminuted fracture of the femoral shaft with a statically locked intramedullary nail. *JBJS*. 1999 November:1538-1544.

Presentations/Abstracts/Posters:

MS Murphy Zane, EB Terhune, BA, N Smith, BA, LPyle. "Reliability of the Anterior Humeral Line and the Gartland/Wilkins classification for Supracondylar Humerus Fractures". *E-poster*, Pediatric Orthopaedic Society of North America Annual Meeting, April 2015.

Braun S, MJ Goldberg, MS Murphy Zane, WK Yassir. "The effect of spinal fusion on life expectancy for patients with severe neuromuscular scoliosis". *Podium presentation*, Pediatric Orthopaedic Society of North America Annual Meeting, May 2008.

Scherl SA, , KE Rathjen, J Gerardi, G Kiefer, G Georgopoulos, MS Murphy Zane, et al. "Pediatric Orthopaedic Trauma Call and Emergency Fracture Management". *Poster presentation*, American Academy of Orthopaedic Surgeons Annual Meeting, Feb 2009.

Murphy Zane MS. "Treatment of Acute SCFE". *Symposium presentation and panelist*, Trauma Committee symposium, Pediatric Orthopaedic Society of North America Annual Meeting, May 2007.

Scherl SA, , KE Rathjen, J Gerardi, G Kiefer, G Georgopoulos, MS Murphy Zane, et al. "Pediatric Orthopaedic Trauma Call and Emergency Fracture Management". *Poster presentation*, Orthopaedic Trauma Association Annual Meeting, Oct 2007.

Scherl SA, , KE Rathjen, J Gerardi, G Kiefer, G Georgopoulos, MS Murphy Zane, et al. "Pediatric Orthopaedic Trauma Call and Emergency Fracture Management". *Poster presentation*, The American Orthopaedic Association Annual Meeting, June 2007.

Rathjen KE, Georgopoulos G, Murphy Zane MS, Blasier DR, Scherl SA. "Injury prevention in Children". *Poster presentation*, Pediatric Orthopaedic Society of North America Annual Meeting, 2007.

Murphy Zane MS. "The effectiveness of Boston bracing in boys with idiopathic scoliosis". *Podium presentation*, Pediatric Orthopaedic Society of North America Annual Meeting, May 2006.

Murphy Zane MS. "Management of pediatric femur fractures". The International Conference on Pediatric Trauma, Boston, June 2004.

Murphy Zane MS. "How to treat clubfeet." Henry H. Banks Day, Department of Orthopaedic Surgery, Tufts University School of Medicine, November 2003.

Murphy Zane MS. "Flexible intramedullary nailing of lower extremity fractures in skeletal dysplasias". *Poster Presentation*, Pediatric Orthopaedic Society of North America Annual Meeting, May 2002.

Murphy Zane MS, M Ehrlich. "Weight-bearing in distraction osteogenesis in rats: a histochemical and molecular analysis". *Podium presentation*, Orthopaedic Research Association Meeting, March 2000.

Murphy Zane MS, R Brumbach, T Toal, et al. "Immediate weight-bearing on IM-nailed comminuted femur fractures" *Podium presentation*, Orthopaedic Trauma Association Annual Meeting, Vancouver, October 1998.

Murphy Zane MS, R Brumbach, T Toal, et al. "Immediate weight-bearing on IM-nailed comminuted femur fractures. *Podium presentation*, Maryland Orthopaedic Association Annual Research Meeting, April 1998.