

Curriculum Vitae

AKI PURYEAR, MD

EDUCATION:

Undergraduate Education:

1988 – 1992 Case Western Reserve University
Cleveland, Ohio
B.S., Biomedical Engineering
Cum Laude

Medical Education:

1992 – 1996 Case Western Reserve University
School of Medicine
Cleveland, Ohio,

POSTGRADUATE TRAINING:

Internship: 1996

General Surgery Internship
University of Michigan
Medical Center, Ann Arbor, MI

Residency: 1997 – 2001

Orthopaedic Surgery Residency
University of Michigan
Medical Center, Ann Arbor, MI
Administrative Chief Resident 2000-2001

Fellowship: 2001 – 2003

Pediatric Orthopaedic Surgery Fellowship
Alfred I. duPont Hospital for Children, Wilmington, DE
Focus: Spine and limb deformity

AWARDS

- St. Louis University resident teaching award, 2007-2008, 2008-2009
- The Leonard Marmor Surgical Arthritis Foundation Award for Outstanding Performance as a Resident in Orthopaedic Surgery, 2001
- The Harry Resnick Memorial Fund Award, 1996
- Alpha Omega Alpha Research Fellowship, 1994
- National Medical Fellowship Scholar, 1993-1994
- University Hospitals of Cleveland, Fellowship in Emergency Medicine, 1993

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CURRENT STATUS:

Associate Professor
St. Louis University Hospital

MEDICAL LICENSE:

Missouri
Ohio
Delaware
Michigan

BOARDS:

American Board of Orthopaedic Surgeons Certified, 2006

MEMBERSHIPS:

2007-present: Active member of the American Academy of Orthopaedic Surgeons
2007-2009: GME committee
2006-present: Residency selection Committee, St. Louis University Orthopedic
2006-present: Curriculum Committee, St. Louis University Orthopaedic Residency
2004-present: St. Louis Orthopaedic Society Member
2000-2001: Resident Recruitment Committee, University of Michigan Orthopaedic
2000-2001: Internship Restructuring Committee, University of Michigan Orthopaedic
2000-2001: Orthopaedic Surgery Review Committee, University of Michigan
1997-2001 Resident Member of the American Academy of Orthopaedic Surgeons
1998 Curriculum Committee for the Section of Orthopaedic Surgery,
University of Michigan
1992-1996 Student Nation Medical Association
1992-1996 American Medical Student Association, Inter-city
Youth Mentor, Tutor
1991-1992 Daniel Hale Williams Medical Society,
Medical School Day Coordinator, Pamphlet Author: "How to Get Into Medical School."
1990-1992 Biomedical Engineering Society
1988-1992 Minority Engineering Industry Opportunity Program
1988-1992 National Society of Black Engineers (NSBE)

PROFESSIONAL SERVICES:

Current Hospital Appointments:

Associate Professor Pediatric Orthopedics
Department of Orthopaedic Surgery
Saint Louis University Medical Center
January 1, 2005 to present

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Cardinal Glennon Children's Medical Center
St. Louis, Missouri
January 1, 2005 to present

Previous Hospital Appointments:

Medical College of Ohio
Toledo, OH
2003-2004

Toledo Hospital
Toledo, OH
2003-2004

St. Vincent Mercy Hospital
Toledo, OH
2003-2004

Past Employment:

Medical College of Ohio Department of Orthopaedic Surgery 2003-2004

Military Experience: United States Army Reserve
1996 to present

Rank - Major

Education - 12/02 – Office Basic Course

7/03-11/03 Operation Iraqi Freedom (912th FST & 28th CSH)

Received the Army Commendation Medal, Global War on Terrorism Expeditionary Medal, Global War on Terrorism Service Medal

2/06-5/06 Operation Enduring Freedom, Fort Benning, GA

12/09-4/09 Operation Iraqi Freedom (1st FST & 345th CSH)

Received the Army Commendation Medal

Teaching Activities:

Synthes Deformity Course
Instructor 2006

Synthes Spine Anatomy
Instructor 2003

University of Michigan
Clinical History and Physical

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Exam Instructor for Second
Year Medical Students, 2000-2001

Case Western Reserve University,
Health Career Enhancement for
Minorities, Residence Assistant/
Tutor/Counselor, Summer 1993- 1995

Case Western Reserve University,
Anatomy Teaching
Assistant, 1993-1994

BIBLIOGRAPHY:

Publications:

1. Wallace MJ, Puryear A, Cannada LK: A Prospective Evaluation of Post-traumatic Stress Disorder and Parent Stress in Children Exposed to Orthopaedic Trauma. *Journal of Orthopaedic Trauma*, 2012
2. Zehnder SW, Puryear AS. Forearm compartment syndrome secondary to low energy olecranon fracture: A case report. *Current Orthopaedic Practice*. 2010 May/June 21(3): 327-329.
3. Zehnder SW, Bledsoe JG, Puryear AS. The effects of screw orientation in osteoporotic bone; a comparison with locked plating. *Clinical Biomechanics*. 2009 Aug 24(7): 589-94.
4. Caird M, Puryear A, Mueller K, Farley FA: Compression Plating of Pediatric Femoral Shaft Fractures. *J Pediatr Orthop*. 2003 Jul-Aug; 23(4)448-52.
5. Farley FA, Puryear A, Hall JM, Muraszko K: Curve Progression in Scoliosis Associated with Chiari I following Suboccipital Decompression, *Journal of Spinal Disorders & Techniques*, 15(5):410-414
6. Lacy SA, Merritt K, Brown SA, Puryear A: Distribution of nickel and Cobalt Following Dermal and Systemic Administration with In Vitro and in Vivo Studies. *Journal of Biomedical Materials Research*, 32(2): 279-83, 1996 Oct.

SUPPLEMENTAL MATERIAL:

Presentations:

1. Wallace MJ, Puryear A, Cannada LK: A Prospective Evaluation of Post-traumatic Stress Disorder and Parent Stress in Children Exposed to Orthopaedic Trauma. Annual Meeting, Mid-America Orthopaedic Association, April 2012.
2. Wallace MJ, Puryear A, Cannada LK: A Prospective Evaluation of Post-traumatic Stress Disorder and Parent Stress in Children Exposed to Orthopaedic Trauma. Annual meeting, American Academy of Orthopaedic Surgeons, February 2012.
3. Wallace MJ, Puryear A, Cannada LK: A Prospective Evaluation of Post-traumatic Stress

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- Disorder and Parent Stress in Children Exposed to Orthopaedic Trauma. Annual Meeting, Orthopaedic Trauma Association, October 2011.
4. Zehnder SW and Bledsoe JG: The Effects of Screw Orientation in Severely Osteoporotic Bone: A comparison with locked plating. Annual Meeting, Mid-America Orthopaedic Association, April 2009.
 5. Puryear A: Minimally Invasive Treatment of Pediatric Fractures. Missouri Orthopaedic Association annual meeting. 2006 June
 6. Puryear A: Common Pediatric Fractures. Cardinal Glennon Trauma Conference. 2004 November.
 7. Puryear A: Adolescent Idiopathic Scoliosis. St. Vincent Mercy Medical Center, Pediatric Grand Rounds, 2004 April.
 8. Puryear A: Congenital Spine Deformity. St. Vincent Mercy Medical Center, Pediatric Grand Rounds, 2003 June.
 9. Puryear A: The Surgical Management of Scoliosis in Patients with Spinal Muscular Atrophy. Alfred I. duPont Hospital for Children, Spring Seminar 2002.
 10. Farley FA, Puryear A, Hall JM, Muraszko K: Curve Progression in Scoliosis Associated with Chiari I following Suboccipital Decompression. University of Michigan Senior Thesis Day, 2001 June.
 11. Puryear A: Chiari Malformation, Syringomyelia, and Scoliosis. Fischer Pediatric Day Lecture, 2001 April.
 12. Puryear A: Current Concepts in Ankle Arthritis: University of Michigan, Orthopaedic Grand Rounds, 2000 October.
 13. Puryear A: Current Advancements in Total Joint Arthroplasty for Rheumatoid Arthritis. University of Michigan, Society of Radiology Technologist. 2000 April.
 14. Puryear A: Current Advancements in Total Joint Arthroplasty for Rheumatoid Arthritis. University of Michigan, Arthritis Friends, 2000 April.
 15. Adelman SC, Stafford D, Jebson P, Weiss K, Puryear A, Messe S, Louis DS: Magnetic Resonance Neurography in the Evaluation of Peripheral Nerves. 53rd Annual Meeting American Society for Surgery of the Hand, 1998 September.

Posters:

1. Farley FA, Puryear A, Hall JM, Murasko K: Curve Progression in Scoliosis Associated with Arnold Chiari Malformation and Syringomyelia Following Suboccipital Decompression. 36th Annual Meeting of the Scoliosis Research Society, Cleveland, OH September, 2001.
2. Adelman SC, Stafford D, Jebson P, Weiss K, Puryear A, Messe S, Louis DS: Magnetic Resonance Imaging Evaluation in Lumbrical Incursion and Carpal Tunnel Compliance in Patients with Carpal Tunnel Syndrome. 53rd Annual Meeting American Society for Surgery of the Hand, 1998 September.

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Current Projects:

1. Tibia fractures in adolescence: When is a ridged IM nail an option?
2. PTSD in children
3. S2 – iliac screw biomechanical study
4. S2-iliac screw retrospective evaluation
5. Depression in adolescent patients with a pain complaint without history of trauma
6. Restless leg syndrome in patients under the age of 10.

Courses:

1. Advanced Concepts in Spinal Deformity, 2007
2. EBI Advances in Limb Deformity Correction/Spine, New Jersey, 2004.
3. Challenges and Advancements in Pediatric and Adult Spine Deformity, Kiawah Island, SC, 2003.
4. Advanced Concepts in Spinal Deformity, Half Moon Bay, CA, 2003.
5. Nemours Pediatric Orthopaedic Course, Orlando, FL, 2001.
6. Miller Orthopaedic Review Course, Colorado Springs, CO, 2001.

Extracurricular Activities:

- 2010 – present Triathlons – 2013 Kansas ½ Ironman finisher
- 2006-present Running (St. Louis Marathon 2006, 2007; Chicago Marathon 2006,2007; Vancouver Marathon 2008. St. Louis rock and roll 2011)
- 2003-2004 Toledo Rugby Club, Toledo, OH
- 2001-2003 Wilmington Rugby Club, Wilmington, DE
- 1996-2001 University of Michigan Rugby Club, Ann Arbor, MI