

MARK JOHN ADAMCZYK, M.D.

CURRENT PRACTICE

Akron Children's Hospital, Akron, OH – August 2005 – current

Appointments:

Director of Pediatric Orthopaedic Research
Director of Clubfoot Clinic
Co-Director of Brachial Plexus Treatment Center

Hospital Service:

Orthopaedic Liaison to Trauma Committee
Fetal Treatment Center Orthopaedic Representative

Membership:

Pediatric Orthopaedic Society of North America
American Academy of Orthopaedic Surgeons
Mid-American Orthopaedic Association
American Academy of Pediatrics, Orthopaedic Section

Certification:

American Board of Orthopaedic Surgeons – 2007
Recertified – 2017

Honors:

Mid-American Orthopaedic Association Travelling Fellowship
– 2007-2008

Research Interest:

Pediatric Hip Disorders
Pediatric Spinal Deformity
Brachial Plexus Birth Palsy
Computer-Assisted Orthopaedic Surgery
Pediatric Orthopaedic Trauma
Clubfoot
Growth Plate Basic Science

Publications:

1. Clinically suspected scaphoid fractures in children.
Evenski AJ, Adamczyk MJ, Steiner RP, Morscher MA, Riley

PM. J Pediatr Orthop. 2009 Jun;29(4):352-5. PMID: 19461376

2. A study in vivo of the effects of a static compressive load on the proximal tibial physis in rabbits. Bries AD, Weiner DS, Jacquet R, Adamczyk MJ, Morscher MA, Lowder E, Askew MJ, Steiner RP, Horne WI, Landis WJ. J Bone Joint Surg Am. 2012 Aug 1;94(15):e1111-10. PMID: 22855000

3. A prospective comparison of computer-navigated and fluoroscopic-guided in situ fixation of slipped capital femoral epiphysis. Bono KT, Rubin MD, Jones KC, Riley PM, Ritzman TF, Schrader WC, Fleissner P, Steiner RP, Morscher MA, Adamczyk MJ. J Pediatr Orthop. 2013 Mar;33(2):128-34. PMID: 23389565

4. Cranial nerve IX and X impairment after a sports-related Jefferson (C1) fracture in a 16-year-old male: a case report. Dettling SD, Morscher MA, Masin JS, Adamczyk MJ. J Pediatr Orthop. 2013 Apr-May;33(3):e23-7. PMID: 23482276

5. Perioperative Analgesic Management of Newborn Bladder Exstrophy Repair Using a Directly Placed Tunneled Epidural Catheter with 0.1% Ropivacaine. Farid IS, Kendrick EJ, Adamczyk MJ, Lukas NR, Massanyi EZ. A A Case Rep. 2015 Oct 1;5(7):112-4. PMID: 26402021

6. Evaluation of Limited Screw Density Pedicle Screw Constructs in Posterior Fusion for Adolescent Idiopathic Scoliosis. Kemppainen JW, Morscher MA, Gothard MD, Adamczyk MJ, Ritzman TF. Spine Deform. 2016 Jan;4(1):33-39. PMID: 27852498

7. Fibular Allograft and Demineralized Bone Matrix for the Treatment of Slipped Capital Femoral Epiphysis. Murray T, Morscher MA, Krahe AM, Adamczyk MJ, Weiner DS. Orthopedics. 2016 May 1;39(3):e519-25. PMID: 27135447

8. Microarray Analysis of Slipped Capital Femoral Epiphysis Growth Plates. Johnson JS, Weiner DS, Jacquet R, Adamczyk MJ, Morscher MA, Landis WJ. J Pediatr

Endocrinol Metab. 2016 Aug 1;29(8):971-8. PMID: 27390878

9. Evaluation of Limited Screw Density Pedicle Screw Constructs in Posterior Spinal Fusions for Adolescent Idiopathic Scoliosis. Kempainen JW, Morscher MA, Gothard MD, Adamczyk MJ, Ritzman TF. Spine Deform. 2016 Jan; 4(1):33-39. PMID: 27852498

10. Orthopaedic Resident Use of an Electronic Medical Record Template Does Not Improve Documentation for Pediatric Supracondylar Humerus Fractures. Urcheck RJ, Morscher MA, Steiner RP, Adamczyk MJ. J AM Acad Orthop Surg. 2019 Apr 15;27(8):e395-e400. PMID: 30958425

11. An investigation to validate the equivalence of physes obtained from different anatomic regions in a single animal species: Implications for choosing experimental controls in clinical studies. Widmer S, Steiner RP, Morscher MA, Weiner DS, Adamczyk MJ, Childs RD, Landis WJ. Bone Rep. 2019 May 5;10:100209. PMID: 31194098

12. Results through skeletal maturity of planned fibular nonunion for the treatment of genu varum in achondroplasia: An observational retrospective study. Weiner DS, Mirhaidari GJM, Morscher MA, Gothard MD, Adamczyk MJ. Medicine (Baltimore). 2019 Nov;98(44):e17723. PMID: 31689811

13. Microsurgery for Brachial Plexus Injury Before Versus After 6 Months of Age: Results of the Multicenter Treatment and Outcomes of Brachial Plexus Injury (TOBI) Study. Bauer AS, Kalish LA, Adamczyk MJ, Bae DS, Cornwall R, James MA, Lightdale-Miric N, Peljovich AE, Waters PM; Treatment and Outcomes of Brachial Plexus Injury (TOBI) Study Group. J Bone Joint Surg Am. 2019 Nov 26. doi: 10.2106/JBJS.18.01312. PMID: 31770293

Professional Presentations:

A Prospective Comparison of Computer Navigated and Fluoroscopic Guided In-Situ Fixation of Slipped Capital Femoral Epiphysis – May 12, 2011, POSNA annual meeting

Onabotulinum Toxin A Injections to Triceps Unmasks Elbow Flexion in Infant Brachial Plexus Birth Palsy –
A Case Series – April 29, 2016, POSNA Annual Meeting

Does Using an EMR Template Improve Documentation for Pediatric Supracondylar Fractures? – April 2016, ePoster, POSNA Annual Meeting

Articles/Commentary:

1. Guidance on lawn mower safety fails to reduce injuries
AAP News On Call, August 11, 2016
2. The End of the Road for Idiopathic Slipped Capital Femoral Epiphysis?: Commentary on an article by Schuyler J. Halverson, MD, MS, et al.: "Leptin Elevation as a Risk Factor for Slipped Capital Femoral Epiphysis Independent of Obesity Status". Adamczyk MJ. J Bone Joint Surg Am. 2017 May 17;99(10):e53. PMID: 28509837
3. Making the Unfamiliar More Familiar: Good for Patients and Hospitals Alike: Commentary on an article by Kelly Flynn et al.: "Flexion-Type Supracondylar Humeral Fractures. Ulnar Nerve Injury Increases Risk of Open Reduction". Adamczyk MJ. J Bone Joint Surg Am. 2017 Sep 6;99(17):e96. PMID: 28872538

Teaching Affiliations:

Akron Children's Hospital
Akron General Medical Center
Summa Health System
Cleveland Clinic Foundation
Allegheny General Medical Center
Aultman Medical Center
Western Reserve Hospital

EDUCATION

FELLOWSHIP

Children's Hospital and Health Center of San Diego, San Diego, CA 2004-2005

Degree: Fellowship Diploma – Pediatric Orthopaedic Surgery
presented July 2005

Publications:

1. Evaluation, Imaging, Histology and Operative Treatment for Dysplasia Epiphysealis Hemimelica (Trevor Disease) of the Acetabulum: a Case Report and Review Wenger D and Adamczyk M. Iowa Orthop J 2005;25:60-5. PMID: 16089075

2. Biomechanical stability of bioabsorbable screws for fixation of acetabular osteotomies. Adamczyk MJ, Odell T, Oka R, Mahar AT, Pring ME, Lalonde FD and Wenger DR. J Pediatr Orthop. 2007 Apr-May;27(3):314-8. PMID: 17414017

RESIDENCY

Akron General Medical Center, Akron, OH, 1999-2004

Degree: Residency Diploma presented June 2004

Publications:

1. A 50-Year Experience with Bone Graft Epiphysiodesis in the Treatment of Slipped Capital Femoral Epiphysis. Adamczyk M, Weiner D and Hawk D. J Pediatr Orthop 2003;23:578-83. PMID: 12960619

2. Delayed Union and Nonunion Following Closed Treatment of Diaphyseal Pediatric Forearm Fractures. Adamczyk M and Riley P. J Pediatr Orthop 2005;25:51-55. PMID: 15614059

3. Increased Chondrocyte Apoptosis in Growth Plates from Children with Slipped Capital Femoral Epiphysis. Adamczyk M, Weiner D, Nugent A, McBurney D and Horton W. J Pediatr Orthop 2005;25:440-4. PMID: 15958891

Professional Presentations:

American Academy of Pediatrics, Orthopaedic Surgery
Section – Chicago, IL, October 2000
3rd Place Award for Presentation

American Orthopaedic Association Residents Conference –
Hershey, PA, March 2001

Ohio Orthopaedic Society – Cleveland, OH, July 2001
Resident Research Day – Akron, OH, September 2001
Mid-America Orthopaedic Association – Tucson, AZ, April
2002
Greater Akron Chapter NAON – Akron, OH, March 2003
Mid-America Orthopaedic Association – Hilton Head Island,
SC, April 2003
Postgraduate Research Day – Akron, OH, June 2003
Resident Research Day – Akron, OH, September 2003
American Academy of Pediatrics, Orthopaedic Surgery
Section – New Orleans, LA, November 2003
2nd place award for presentation

Orthopaedic In-Training Examination Scores:

2000 (PGY II) – 96th Percentile
2001 (PGY III) – 98th Percentile
2002 (PGY IV) – 96th Percentile
2003 (PGY V) – 95th Percentile

Professional Appointments:

Clinical Associate Instructor in Orthopaedic Surgery,
Northeastern Ohio Universities College of Medicine
– 2002-2004
Chief Resident – 2003-2004

Membership:

AAOS Resident Member

MEDICAL SCHOOL

Creighton University School of Medicine, Omaha, NE, 1995-1999

Degree: Doctor of Medicine, conferred May 15, 1999

UNDERGRADUATE

John Carroll University, University Heights, OH, 1991-1995

Degree: Bachelor of Science, conferred May 21, 1995

HIGH SCHOOL

Monsignor John R. Hackett Catholic Central High School, Kalamazoo, MI,
1987-1991