



## 2012 POSNA Poster Program

### Poster #01

The Biomechanics of Guided Growth: Does screw size, plate size, or screw configuration matter?

**Christopher A Iobst, MD, Avi Baitner, MD, Shawn C Standard, MD**

*Miami Children's Hospital*

### Poster #02

Biomechanics of Direct Transverse Plane Vertebral Derotation at the Bone Screw Interface: Do bicortical pedicle screws make a difference?

**Stephen A Albanese, MD, Yushek Pun, BS, Nathaniel Ordway, MS PE, William Lavelle, MD**

*SUNY Upstate Medical University Department of Orthopedic Surgery*

### Poster #03

Obstructive Lung Disease In Patients With Congenital And Syndromic Scoliosis

**Peter F. Sturm, MD, Gary Lewis Mcphail, Robert E. Wood, MD, Paul R Boesch, DO, Viral V. Jain, MD, Steven S. Agabegi, MD, Eric J. Wall, MD, Alvin H. Crawford, MD**

*Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio*

### Poster #04

Comparison of Allograft and Bovine Xenograft in Calcaneal Lengthening Osteotomy for Flatfoot Deformity in Cerebral Palsy

**Alfred A, Mansour, III, MD, Katherine Davies, BA, Nancy Hadley Miller, MD, Frank M. Chang, MD**

### Poster #05

Evaluation of Outcomes of Complex Clubfeet

**Jose A. Morcuende, MD, Heather Campion**

*University of Iowa, Iowa City, IA*

### Poster #06

Ankle Kinematics at 2 & 5 Years Of Age Following Treatment for Clubfoot: A Longitudinal Study

**Lori A. Karol, MD, Ashley L. Erdman, MBA, Kelly A Jeans, MS**

*Texas Scottish Rite Hospital, Dallas, Texas*

### Poster #07

The Incidence of Femoral Head Osteonecrosis in Pediatric Femoral Neck Fractures: A 25 Year Study

**Patrick M. Riley, MD, Patrick M. Riley Jr., MD, Melanie Morscher, PT, Michael D Gothard, MS**

*Akron Children's Hospital, Akron, OH*

**Poster #08**

Improving Diagnostic Efficiency: Analysis of Pelvic MRI vs. Emergency Hip Aspiration for Suspected Hip Sepsis

**Burt Yaszay, MD, Hilton Gottschalk, MD, Burt Yaszay, MD, Molly Moor, MPH, Abd Razak Muhamad, Dennis R Wenger, MD**  
*Rady Children's Hospital, San Diego, CA*

**Poster #09**

Feasibility and safety of incomplete innominate osteotomies (Pemberton and Dega) without iliac crest exposure.

**Prasad Gourineni, MD, Michelle L, Cameron, MD**

**Poster #10**

Activity Level, Return to Play, and Radiographic and Functional Outcomes following Peri-Acetabular Osteotomy in Adolescent and Young Adult Athletes

**Benton E, Heyworth, MD, Eduardo Novais, MD, Kerri Murray, Gregory Cvetanovich, BS, Michael B, Millis, MD, Young-Jo Kim, MD**  
*Children's Hospital Boston, Boston, MA*

**Poster #11**

Cozen's Fracture Revisited--a Method to Inhibit Post Fracture Valgus Deformity

**William L Hennrikus, Jr, MD, Duke Yim**  
*Penn State College of Medicine, Hershey, PA*

**Poster #12**

Single- versus Double- Sided Technique for Percutaneous Epiphysiodesis of the Knee

**Todd A. Milbrandt, MD, Patrick O'Brien, Henry J. Iwinski, MD, Vishwas R. Talwalkar, MD, Janet Walker, MD**  
*Shriners Hospital for Children, Lexington, KY*

**Poster #13**

Screw Head Impingement in Slipped Capital Femoral Epiphysis: Clinical and Radiographic Correlation

**Todd A Milbrandt, MD, Ryan Cieply, Vishwas R Talwalkar, MD, Janet Walker, MD, Henry J Iwinski, MD**  
*Shriners Hospital for Children, Lexington, KY*

**Poster #14**

The Effect of Hamstring Lengthening on Oxygen Cost, Oxygen Consumption, and Walking Velocity in Patients with Cerebral Palsy

**Todd A. Milbrandt, MD, Jeffrey Goldberg, Vishwas R. Talwalkar, MD, Henry J. Iwinski, MD, Janet Walker, MD, Hank White**  
*Shriners Hospital for Children*

**Poster #15**

Does Pre-Operative Fitness Level Affect Surgical Recovery in Youth with Cerebral Palsy?

**Freeman Miller, MD, Kirk W. Dabney, MD, Alexandria Hrasok, John Henley, PhD, Nancy Lennon**  
*Nemours, duPont Hospital for Children, Wilmington, DE*

**Poster #16**

Does the Level of Proximal Femur Rotation Osteotomy Influence the Correction Results in Patients with Cerebral Palsy?

**Mauro Cesar De Morais Filho, MD, Daniella Lins Neves, Carlos Alberto Santos, Fábio Peluzo Abreu**

**Poster #17**

Transportation of Children in Spica Casts

**William L. Hennrikus Jr, MD, Allison Gockley**

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**Poster #18**

Extreme Childhood Obesity is Associated with Injuries of the Lower Extremities

**Jeffrey I Kessler, MD, Annette Adams, PhD, Krikor Deramerian, MD, Ning Smith, Researcher, MaryHelen**

*Blackamy, PorterSteven, Jjacobsen, PhD and Chair, Dept of Research, Corinna Koebnick, PhD*

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**Poster #19**

Flatback Revisited? : Reciprocal Loss of Lumbar Lordosis Following Selective Thoracic Fusion

**David P Roye, Jr MD, Michael Vitale, MD, Nicholas Colacchio, BA, Hiroko Matsumoto, MA, Frank J.**

*Schwab, MD, Virginie Lafage, PhD David P. Roye, Jr, MD*

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**Poster #20**

Improvement In The Level Of Physical Activity Following Open Surgical Treatment For Impingement Of The Hip In Adolescent Athletes

**Eduardo V Novais, MD, Benton E. Heyworth, MD, Kristen Sullivan, Caterina Stamoulis, Michael B. Millis,**

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