WEDNESDAY, MAY 1, 2013

1:00 PM—1:09 PM  Introduction and Opening Remarks

TRAUMA

Moderator: William C. Warner, MD
Presider: Travis Matheney, MD
eModerator: David Podeszwa, MD

1:10 PM—1:14 PM  Functional And Radiographic Outcomes After Non-Operative Treatment Of Displaced Adolescent Clavicle Fractures
Jacob Schultz, MD, Molly Moor, MPH, Joanna H. Roocroft, MA, Tracey P. Bstrom, MA, Andrew T. Pennock, MD

1:15 PM—1:19 PM  Trends In The Volume Of Operative Treatment Of Clavicle Shaft Fractures In Children And Adolescents
Benton E. Heyworth, MD, Catherine A. Suppan, BA, Mininder S. Kocher, MD, Donald S. Bae, MD

1:20 PM—1:24 PM  Evidence Into Practice: Short Arm Splints For Distal Radius Fractures
Andrew W. Howard, MD, Kathy Boutis, Anna V. Cuomo, MD, Unni G. Narayanan, MD, FRCSC

1:25 PM—1:33 PM  Discussion

1:35 PM—1:39 PM  Avascular Necrosis After Femoral Neck Fracture: Analysis Of Risk Factors
David D. Spence, MD, Jon Paul DiMauro, Patricia Miller, MS, Michael P. Glotzbecker, MD, Daniel Hedequist, MD, Benjamin J. Shore, MD

1:40 PM—1:44 PM  The Role Of Computed Tomography In The Classification And Treatment Of Pediatric Pelvic Fractures—Revisited
William L. Hennikus Jr, MD, Melissa Bent, MD, Douglas G. Armstrong, MD, Brian A. Shaw, MD, Kerwyn C. Jones, MD, Lee S. Segal, MD

1:45 PM—1:49 PM  Results Of Displaced Tibial Spine Fractures: A Comparison Between Open, Arthroscopic, And Closed Management
Eric W. Edmonds, MD, Jesse Dashe, MD, Eric Fornari, MD, Andrew T. Pennock, MD

1:50 PM—1:58 PM  Discussion

2:00 PM—2:04 PM  The Outcome Of Non-Operative Treatment Of Medial Epicondyle Fractures In The Pediatric Population
Juliann Lee Kwak, MD, Mauricio Silva, MD

2:05 PM—2:09 PM  Long Term Functional Result Of Neurological Complications Of Pediatric Supracondylar Fractures
Luis Moraleda Novo, MD, PhD, Maria Valencia, MD

2:10 PM—2:14 PM  Screw Fixation Of Lateral Condyle Fractures: Results Of Treatment
Eric D. Shirley, MD, Mary Anderson, BS, Kevin M. Neal, MD, John M. Mazur, MD

2:15 PM—2:23 PM  Current Practice In The Management Of Type I Open Fractures In Children
Joseph Janicki, MD, Robert J. Wetzel, MD, Shobhit V. Minhas, Brittany C. Patrick, MPH

2:25 PM—2:29 PM  Protein And Vitamin D Malnutrition In Pediatric Orthopaedic Trauma Patients
Bettina M. Gyr, MD, Peter J. Apel, MD, PhD, Cail Barbarita, BS, Patrick W. Whitlock, MD, PhD

2:30 PM—2:34 PM  Childhood Fracture Begets Childhood Fracture: A Population-Based Study Of Longitudinal Fracture Patterns In Ontario Children
Andrew W. Howard, MD, Benjamin Escott, MBBS, Teresa To, Dorcas Beaton, PhD

2:35 PM—2:39 PM  Discussion

2:40 PM—2:48 PM  Hip Pathology In Relatives Of Probands With Developmental Dysplasia Of The Hip
Kristen L. Carroll, MD, Alison Schiffern, MD, Kathleen A. Murray, MD, Bruce Macwilliams, PhD, James W. Roach, MD

2:50 PM—3:10 PM  Break

HIP

Moderator: Harish Hosalkar, MD
Presider: Ira Zaltz, MD
eModerator: Anthony A. Stans, MD

3:00 PM—3:14 PM  Timing Of Pavlik Harness Initiation: Can We Wait?
Joseph Janicki, MD, Anay R. Patel, MD, Jill Larson, MD, Brian Weatherford, MD

3:15 PM—3:19 PM  Abduction Bracing For Infants With Residual Acetabular Dysplasia: Practice Dogma Or Effective Treatment?
Wudbhav N. Sankar, MD, Itai Gans, Chanika Angsanuntsukh

3:20 PM—3:24 PM  Does The Orientation Of The Femoral Head Affect Acetabular Development? An Experimental Study In Lambs
Luis Moraleda Novo, MD, PhD, Christian Bravo, MD, Francisco Forriol, MD, PhD, Javier Albiñana, MD, PhD

3:25 PM—3:33 PM  Discussion

3:34 PM—3:39 PM  Hip Pathology In Relatives Of Probands With Developmental Dysplasia Of The Hip
Kristen L. Carroll, MD, Alison Schiffern, MD, Kathleen A. Murray, MD, Bruce Macwilliams, PhD, James W. Roach, MD

3:35 PM—3:39 PM  A Re-Evaluation Of Commonly Accepted Risk Factors For Developmental Dysplasia Of The Hip: Preliminary Results Of A Population Based Cohort Study
Andreas Roposch, MD, Saboura Mahdavi, Evangelia Protopapa, Yael Gelfer, Rumana Omar, Paul Humphries

Program Subject to Change

Early Registration Deadline: March 4, 2013 — Registration Form on page 31.
THURSDAY, MAY 2, 2013

8:00 AM – 8:04 AM  Welcome and Remarks
8:05 AM – 9:05 AM  Special Topics Forum

QUALITY, SAFETY AND VALUE

Moderator: Kevin G. Shea, MD
Presider: J. Michael Wattenbarger, MD
eModerator: Benjamin A. Alman, MD, FRSCC

9:06 AM – 9:10 AM  Team Training In Pediatric Orthopaedic Surgery Via High Fidelity Simulation At The Point Of Care: Proof Of Concept
Travis Matheney, MD,
Peter H. Weinstock, MD PhD,
Peter M. Waters, MD

Suzanne E. Steinman, MD,
Timothy Cooper,
Kate Drummond, Jean Popalisky,
Ernest U. Conrad III, MD,
Michael J. Goldberg, MD

9:16 AM – 9:20 AM  Comprehensive Program Aligning Structure, Processes And The Electronic Medical Record Improves Quality And Safety Of Complex Spinal Deformity Surgery In Children
Suken A. Shah, MD,
Stephen Lawless, MD MBA,
William G. Mackenzie, MD

9:21 AM – 9:29 AM  Discussion

9:30 AM – 9:34 PM  Outcomes In Pediatric Orthopaedic Surgery: Analysis Of The 2010-2011 American College Of Surgeons National Surgical Quality Improvement Program-Pediatric Data
Brian K. Brighton, MD, MPH,
Peter W. Dillon, MD, MSc, FACS,
William L. Hennrikus Jr, MD,
Bruce L. Hall, MD, PhD, MBA, FACS

9:35 AM – 9:39 AM  “Pop Quiz” Of Orthopaedic Residents Performing Tasks That Are Typically Performed In An Unsupervised Setting
Joshua M. Abzug, MD,
Ebrahim Paryavi, MD,
Robert O’Toole, MD, Robert Sterling, MD

9:40 AM – 9:44 AM  Antimicrobial Prophylaxis And Rates Of Surgical Site Infection In Children
James G. Wright, MD, MPH, FRSCC,
Ilyas S. Aleem, MD, Jeannette P. So, MSc,
Anne G. Matlow, MSc, MD

9:45 AM – 9:53 AM  Discussion

9:54 AM – 10:09 AM  Distinguished Achievement Award

10:10 AM – 10:40 AM  Break

Program Subject to Change
THURSDAY, MAY 2, 2013

CONCURRENT SESSION I: SPINE

Moderator: James O. Sanders, MD
Presider: Stefan Parent, MD
eModerator: Michael G. Vitale, MD, MPH

10:41 AM – 10:45 AM
Early Onset Scoliosis Treated With Growing Rods Has More Spinal Growth, Better Cobb Correction, But More Than Twice The Number Of Surgeries Compared To Shilla
David L. Skaggs, MD, Lindsay Andras, MD, Elizabeth R.A. Joiner, BS, Richard E. McCarthy, MD, Scott J. Luhmann, MD, Paul D. Sponseller, MD, John B. Emans, MD, Growing Spine Study Group

10:46 AM – 10:50 AM
A Comparison Of Shilla™ Growth Guidance System And Growing Rods In The Treatment Of Spinal Deformity In Children Less Than 10 Years Of Age
Scott J. Luhmann, MD, Richard E. McCarthy, MD

10:51 AM – 10:55 AM
Five To Sixteen-Year Results Of 201 Growing Rod Patients: Is There A Difference Between Etiologies?
Behrooz A. Akbarnia, MD, Nima Kabirian, MD, Jeff Pawelek, George H. Thompson, MD, John B. Emans, MD, Paul D. Sponseller, MD, David L. Skaggs, MD, Growing Spine Study Group

10:56 AM – 11:00 AM
Incidence And Risk Factors For Deep Infection After Spinal Deformity Surgery In Neuromuscular Patients
Daniel J. Sucato, MD, Dominick Tuason, MD, David W. Roberts, MD, Brandon A. Ramo, MD, Alec Christian Stall, MD, Anna McClung, BSN, RN, Scott Paradise, Lauren Paraision, Gregory H. Moore

11:05 AM – 11:15 AM
Thromboembolic Complications In Children With Spinal Fusion Surgery
Armit Jain, MD, Michael Paloski, Paul D. Sponseller, MD

11:20 AM – 11:28 AM
Discussion

11:29 AM – 11:33 AM
Serum Metal Levels Implication In Stainless Steel Spinal Posterior Instrumentations Corrosion. Before And After Removal Study.
Julio Duart Clemente, MD, PhD, Rafael Ilombar, Javier Del-Rio, Matias Alfonso, Carlos Villas, José-Luis Beguiristain

11:34 AM – 11:38 AM
Predicting Failure Of Iliac Fixation In Neuromuscular Spine Deformity
Sumet Garg, MD, Courtney Allen Holland, MD, Jaren Lagreca, BS, Bryan McNair, Mark A. Erickson, MD

11:39 AM – 11:43 AM
A Prospective Clinical Trial On A Scoliosis Growth Modulation Clip/Screw Device: Initial Safety Results
Eric J. Wall, MD, Joe Reynolds, Viral V. Jain, MD, Donita I. Bylski-Austrow, PhD, Andrea G. Ferris, BS, Paul Samuels, MD, Maria Alonso, MD, Alvin H. Crawford, MD

11:44 AM – 11:52 AM
Discussion

11:53 AM – 11:57 AM
Success Of Risser Casting In The Treatment Of Scheurmann’s Kyphosis
Christina K. Hardesty, MD, Raj Gala, BS, Connie Poe-Kochert, CNP, George H. Thompson, MD

11:58 AM – 12:02 PM
Is Casting For Infantile Scoliosis Better Than The Natural History?
John R. Faust, MD, Caleb Behrend, MD, Paul Rubery, MD, James O. Sanders, MD

12:03 PM – 12:07 PM
Patient Outcomes In The Operative And Non-Operative Management Of High-Grade Spondylolisthesis In Children
Stephen Lewis, MD, Kris Lundine, MD, Zaid Al-Aubaidi, MD, Benjamin A. Alman, MD, FRCSC, Andrew W. Howard, MD

12:08 PM – 12:16 PM
Discussion

12:17 PM – 12:21 PM
Selective Thoracic Fusion In Adolescent Idiopathic Scoliosis Curves With A C Lumbar Modifier: Which Rules Can Be Broken?
Jacob Schui, MD, Jahangir Asghar, MD, Tracey P. Bastrom, MA, Harry L. Shufflebarger, MD, Peter O. Newton, MD, Burt Yaszay, MD, Harms Study Group

12:22 PM – 12:26 PM
Spinal Deformity Progression After Modern Segmental Instrumentation And Fusion: Is This Crankshaft?
Vidyadhar S. V. Upasani, MD, Michael P. Glotzbecker, MD, Daniel Hedequist, MD, Michael T. Hresko, MD, Lawrence I. Karlin, MD, John B. Emans, MD

12:27 PM – 12:31 PM
Sagittal Plane Alignment Following Spinal Fusion Of Adolescent Idiopathic Scoliosis: A Case-Matched Analysis Of All-Pedicle Screw Versus Hybrid Instrumentation
Marios N. Lykissas, MD, PhD, Xu Gao, Marios N. Lykissas, MD, PhD, Emily Eismann, Jennifer M. Anadio, MA, Alvin H. Crawford, MD

Program Subject to Change
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<th>Time</th>
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<tr>
<td>12:32 PM – 12:40 PM</td>
<td>Discussion</td>
<td>Repeat Hamstring Lengthening In Children With Cerebral Palsy</td>
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<td>12:41 PM – 12:45 PM</td>
<td>Cost Effectiveness Of Surgical Treatment For Adolescent Idiopathic Scoliosis</td>
<td>Robert M. Kay, MD, Susan Rothliebsen, PT, DPT, Siamak Yasmeen, MD, Tishya A. L. Wren, PhD</td>
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<td>12:46 PM – 12:50 PM</td>
<td>Evaluation Of Limited Screw-Density Pedicle Screw Constructs In Posterior Fusions For Adolescent Idiopathic Scoliosis</td>
<td>Todd F. Ritzman, MD, John Kemppainen, MD, Melanie Morscher, PT, Michael D. Gothard, MS, Mark J. Adamczyk, MD</td>
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<td>12:51 PM – 12:55 PM</td>
<td>Are Routine Post-Operative Radiographs Required During The First Year Following Surgery For Idiopathic Scoliosis?</td>
<td>Sumeet Garg, MD, Emily Kipper, Jaren Lagreca, BS, Patrick Carry</td>
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<td>12:56 PM – 1:04 PM</td>
<td>Discussion</td>
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**CONCURRENT SESSION II:**
**NEUROMUSCULAR AND LOWER EXTREMITY**

**NEUROMUSCULAR**

Moderator: Unni G. Narayanan, MD  
Presider: Allison C. Scott, MD

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<th>Time</th>
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<tr>
<td>10:41 AM – 10:45 AM</td>
<td>Hip Subluxation, Pelvic Obliquity, And Scoliosis In The CP Population: A Random Triad Or A Predictable Relationship?</td>
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<tr>
<td>10:46 AM – 10:50 AM</td>
<td>The CP Child Questionnaire Is Sensitive To Change Following Hip Reconstructive Surgery In Children With Severe Cerebral Palsy</td>
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<tr>
<td>10:51 AM – 10:55 AM</td>
<td>Long Term Outcome Of Single Event Multilevel Surgery Including Distal Hamstring Lengthening In Spastic Diplegia</td>
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<td>10:56 AM – 11:04 AM</td>
<td>Discussion</td>
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<tr>
<td>11:05 AM – 11:09 AM</td>
<td>Acetabular Remodeling After Varus Derotational Osteotomy In Cerebral Palsy: Do We Need To Do The Pelvis?</td>
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<tr>
<td>11:10 AM – 11:14 AM</td>
<td>Intrathecal Baclofen And Neuromuscular Scoliosis: Natural History Vs Cause And Effect</td>
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**LOWER EXTREMITY**

Moderator: Vishwas R. Talwalkar, MD  
Presider: Harold JP van Bosse, MD

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<tr>
<td>11:15 AM – 11:19 AM</td>
<td>Discussion</td>
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<td>11:20 PM – 11:28 PM</td>
<td>Calcaneal Lengthening For The Planovalgus Foot Deformity In Patients With Cerebral Palsy</td>
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<tr>
<td>11:39 AM – 11:43 AM</td>
<td>Pamidronate Treatment To Prevent Reoccuring Fractures In Children With Cerebral Palsy</td>
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Register Online Today at www.posna.org.
THURSDAY, MAY 2, 2013

12:22 PM–12:26 PM  Botulinum Toxin Type A Injection In Alleviating Post-Operative Pain And Improving Quality Of Life In Lower Extremity Limb Lengthening And Deformity Correction
  Reggie C. Hamdy, MD, Kathleen Montpetit, MSc.BScOT, Michael D. Aiona, MD, Harold J.P. van Bosse, MD, William G. Mackenzie, MD, Unni G. Narayanan, MD, FRCS, Ellen M. Raney, MD

  Unni G. Narayanan, MD, FRCS, Benjamin G. Escott, MBBS, Bheeshma Ravi, MD, Jay Acharya, MD, Christopher L. Gordon, PhD, Paul S. Babyn, MD, Simon P. Kelley, MD

12:32 PM–12:40 PM  Discussion

12:41 PM–12:45 PM  Do Children With Blount Disease Have Lower Body Mass Index Following Lower Limb Realignment?
  Sanjeev Sabharwal, MD, Caixia Zhao, Sara Sakamoto, Emily McClemens

12:46 PM–12:50 PM  The Relationship Between Angular Knee Deformity And Degenerative Disease Of The Hip And Knee
  Raymond W. Liu, MD, Jonathan J. Streit, MD, Colin E. Lasko, Ademola A. Ajuwon, BS, Daniel R. Cooperman, MD

12:51 PM–12:55 PM  No Superiority Of Tension Band Plating Compared To Stapling. A Randomized Clinical Trial On Treatment Of Idiopathic Genu Valgum
  Bjørne Moeller-Madsen, MD, PhD

12:56 PM–1:04 PM  Discussion

12:22 PM–12:26 PM  Long Term Effects Of Glucocorticoid Treatment In Duchenne Muscular Dystrophy On Scoliosis
  Benjamin A. Alman, MD, FRCSC, David Lebel, W. Doug Biggar

12:32 PM–12:40 PM  Discussion

12:41 PM–12:45 PM  Percutaneous Doxycycline Therapy Of Juxtaphyseal Aneurysmal Bone Cysts
  Allan C. Beebe, MD, William E. Shiels, DO, MS, Joel L. Mayerson, MD, Leisel Willis, BS

12:51 PM–12:55 PM  Can Perfusion MRI Performed In The Early Stages Of Legg-Calvé-Perthes Disease Predict Lateral Pillar Involvement?
  Harry K.W. Kim, MD, Kathryn D. Wiesman, Vedant Kulkarni, Amanda Lu, Jerry Du, John Anthony Herring, MD

12:56 PM–1:04 PM  Discussion

8:00 AM–8:09 AM  Welcome and Updates

FRIDAY, MAY 3, 2013

CLINICAL AWARD PAPERS
Moderator: Dennis R. Wenger, MD
Presider: Matthew J. Bueche, MD
eModerator: John (Jack) M. Flynn, MD

8:10 AM–8:14 AM  Long Term Effects Of Glucocorticoid Treatment In Duchenne Muscular Dystrophy On Scoliosis
  Benjamin A. Alman, MD, FRCSC, David Lebel, W. Doug Biggar

8:15 AM–8:19 AM  Discussion

08:20 AM–08:24 AM  Predicting The Presence Of Adjacent Musculoskeletal Infections In Septic Arthritis
  Scott B. Rosenfeld, MD, Shiva Daram, BS

8:25 AM–8:29 AM  Discussion

8:30 AM–8:34 AM  The Effect Of Compliance Monitoring On Brace Use And Success In Patients With AIS
  Lori A. Karol, MD, Donald Virostek, CPO, Kevin Felton, CPO, Lesley Wheeler, BS

8:35 AM–8:39 AM  Discussion

8:40 AM–8:44 AM  Percutaneous Doxycycline Therapy Of Juxtaphyseal Aneurysmal Bone Cysts
  Allan C. Beebe, MD, William E. Shiels, DO, MS, Joel L. Mayerson, MD, Leisel Willis, BS

8:45 AM–8:49 AM  Discussion

8:50 AM–8:54 AM  Can Perfusion MRI Performed In The Early Stages Of Legg-Calvé-Perthes Disease Predict Lateral Pillar Involvement?
  Harry K.W. Kim, MD, Kathryn D. Wiesman, Vedant Kulkarni, Amanda Lu, Jerry Du, John Anthony Herring, MD

8:55 AM–8:59 AM  Discussion

9:00 AM–9:04 AM  The Modified Dunn Procedure For Unstable SCFEs: A Multicenter Perspective
  Wudbhav N. Sankar, MD, Kelly Vanderhave, Travis Matheney, MD, Jose A. Herrera-Soto, MD, Judson Karlen

9:05 AM–9:09 AM  Discussion

BASIC SCIENCE AWARD PAPERS
Moderator: Matthew Dobbs, MD
Presider: Matthew Halanski, MD
eModerator: Cathleen Raggio, MD

9:10 AM–9:14 AM  3D Visualization Of The Vertebral Growth Plate: The Effects Of Growth Modulation
  Peter O. Newton, MD, Joshua Doan, MEng, Diana Andreeva Glaser, PhD, Christine L. Farnsworth, MS
Scientific Program – Thursday, May 2 – Friday, May 3, 2013

Program Subject to Change

Register Online Today at www.posna.org.
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<td>8:00 AM – 8:09 AM</td>
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| 8:10 AM – 8:14 AM | Long Term Outcomes In Adults Of Comprehensive Surgical Vs. Ponseti Treated Clubfoot  
 | Peter A. Smith, MD, Adam Graf, Sahar Hassani, Joseph Krzak, Angela Caudill, Ann Flanagan, Ken N. Kuo, MD, Jose A. Morcuende, MD, Frederick R. Dietz, MD, Gerald Harris |
| 8:15 AM – 8:19 AM | Functional Outcomes Of Children Treated As Infants With The Ponseti And Dimeglio Methods At Five Years Of Age  
 | Glen O. Baird, MD, Nancy L. Garcia, PT, Bryan Tompkins, MD, Paul M. Caskey, MD, Mark L. McMulkin, Rob D. Mildes, PT, Barb C. Harrison, PT, Shelly L. Mader, PT |
| 8:20 AM – 8:24 AM | Ponseti Method For Untreated Idiopathic Clubfoot Presenting Between 5 And 10 Years Of Age  
 | David A. Spiegel, MD, Biket Banskota, Ashok K. Banskota, Om P. Shrestha, Tanun Rajbhandary, Rabindra Regmi, MS |
| 8:25 AM – 8:33 AM | Discussion                                                                 |
| 8:34 AM – 8:38 AM | Long-Term Functional Outcomes Of Resected Tarsal Coalitions  
 | James G. Wright, MD, MPH, FRCS, Amir Khosbin, Peggy W. Law, Liora Caspi, Everlyne Gomez, Derek Stephens |
| 8:39 AM – 8:43 AM | Simultaneous Tarsal Coalition Resection With Calcaneal Lengthening Osteotomy  
 | Allison C. Scott, MD, Nicolas Lee, MD, William Granberry, MD, Elroy Sullivan, PhD |
| 8:44 AM – 8:48 AM | Non-Union After Triple Arthrodesis In Children—Does It Really Matter?  
 | Dennis S. Weiner, MD, Eric D. Wicks, MD, Meadow Newton, BS, Melanie Morscher, PT |
| 8:49 AM – 8:57 AM | Discussion                                                                 |
| 8:58 AM – 9:02 AM | Initial Correction Predicts The Need For Secondary Achilles Tendon Procedures In Patients With Idiopathic Clubfoot Treated With Ponseti Casting  
 | Pooya Hosseinizadeh, MD, Henry J. Iwinski, MD, Janet Walker, MD, Vishwas R. Talwalkar, MD, Robert Stiener, MD, Todd A. Milbrandt, MD, Ryan Muchow, MD |
| 9:03 AM – 9:07 AM | Is It Worthwhile To Routinely Screen Children With Clubfoot For Hip Dysplasia?  
 | Susan T. Mahan, MD, MPH, Mahsa M. Yazdy, MPH, James R. Kasser, MD, Martha M. Werler, ScD |
| 9:08 AM – 9:12 AM | Leg Length Discrepancy In Children With Unilateral Clubfoot Deformity  
 | Richard J. Aadalen, MD, James E. Johanson, MD |
| 9:13 AM – 9:21 AM | Discussion                                                                 |
| 9:22 AM – 9:26 AM | Aspirations Of The Ilium And Proximal Femur Increase The Likelihood Of Culturing An Organism In Patients With Presumed Septic Arthritis Of The Hip  
 | Gregory A. Schmale, MD, Viviana Bompadre, PhD |
| 9:27 AM – 9:31 AM | Novel Approach To Diagnoses And Management Of Hip Pericapsular Pyomyositis  
 | Jonathan G. Schoenecker, MD, Travis Menge, Megan Mignemi, Christopher Stutz, Jeffrey E. Martus, MD, Steven Lovejoy, Gregory A. Mencio, MD |
| 9:32 AM – 9:36 AM | Stuffed Animals In The Operating Room: A Reservoir Of Bacteria?  
 | Jonathan G. Schoenecker, MD, Michael Held, Michelle Wise, Lynda O’Rear |
| 9:37 AM – 9:45 AM | Discussion                                                                 |
| 9:46 AM – 9:50 AM | Effectiveness Of MRSA Screening In Pediatric Orthopaedic Surgery  
 | Glen O. Baird, MD, Kyong S. Min, MD, Ronda Cordill, MS, Bryan Tompkins, MD, Paul M. Caskey, MD |
| 9:51 AM – 9:55 AM | Can An Algorithm Predict MRSA Vs MSSA Osteomyelitis?  
 | Scott B. Rosenfeld, MD, Stuart Michnick |
| 9:56 AM – 10:00 AM | The Prevalence Of MRSA Nasal Carriage In Pre-Operative Pediatric Orthopaedic Patients  
 | William L. Hennrikus, Jr, MD, Jessica Walrath, BS |
| 10:00 AM – 10:15 AM | POSNA Annual Meeting 2014  
 | President Transfer |
| 10:16 AM – 10:26 AM | Break                                                                 |
| 10:27 AM – 10:47 AM | Management Of Orthopedic Trauma Cases: An Evaluation Of Three Different Models At A Level I Pediatric Trauma Center  
 | Allan C. Beebe, MD, Leisel M Willis, BSc, Jan E. Klamar, MD, Kevin E. Klingele, MD, Walter Samora, MD, John R. Kean, MD |
| 10:48 AM – 10:52 AM |POSNA Annual Meeting 2014  
 | President Transfer |

Early Registration Deadline: March 4, 2013 — Registration Form on page 31.
10:53 AM – 10:57 AM
Children With Knee Monoarthritis In Lyme Disease Endemic Areas: Who Needs Arthrocentesis?
Julia K. Deanehan, MD, Amir A. Kimia, MD, Sharman P. Tan Tanny, MedSc, Matthew D. Milewski, MD, Paul G. Talusan, MD, Brian G. Smith, MD, Lise E. Nigrovic, MPH, MD

10:58 AM – 11:02 AM
Clinical And Economic Implications Of Early Discharge Following Posterior Spinal Fusion For Adolescent Idiopathic Scoliosis
Nicholas D. Fletcher, MD, Philip M. Mitchell, BS, Nader Shourbaji, MD, Timothy S. Oswald, MD, Dennis P. Devito, MD, Robert W. Bruce, MD

11:03 AM – 11:11 AM
Discussion

11:12 AM – 11:16 AM
The Use Of RHBMP-2 In Congenital Pseudarthrosis Of The Tibia
Terrence D. Anderson, MD, B. Stephens Richards III, MD

11:17 AM – 11:21 AM
Brian D. Snyder, MD, PhD, Casey Olson, Michael P. Glotzecker, MD, Ayuko Takahashi, Brian D. Snyder, MD, PhD

11:22 AM – 11:26 AM
Polysomnographic Screening In Children With Achondroplasia: There Is No Correlation Between Sleep Disordered Breathing And Foramen Magnum Stenosis.
Klane K. White, MD, Shawn E. Parnell, MD, Yemiserach Kifle, MD, Viviana Bompadre, PhD, Marcella Blackledge, BA

11:27 AM – 11:35 AM
Discussion

11:36 AM – 11:40 AM
At What Age Do Cam And Pincer Morphology Become Apparent: An Analysis Of 225 Pediatric And Adolescent CT Scans
Andrew T. Pennock, MD, Shafagh Monazzam, James D. Bomar, Jerry Dwek, Harish S. Hosalkar

11:41 AM – 11:45 AM
Can Sub-Clinical Rickets Cause SCFE? A Prospective, Pilot Study
Alexandre Arkader, MD, Regina Woon, Vicente Gilsanz, MD

11:46 AM – 11:50 AM
Treatment Of Snapping Scapula Syndrome In Pediatric And Adolescent Patients
Adam Y. Nasreddine, Mininder S. Kocher, MD, MPH, Brian M. Haus, MD, Adam Y. Nasreddine, Omar Bakri, BA, Catherine Suppan, BA

11:51 AM – 11:59 AM
Discussion

11:59 AM – 12:00 PM
Awards

FREE PAPERS
1:30 PM – 5:00 PM
46 free papers were selected by the IFPOS Scientific Board. There will be many topics to discuss and we will enjoy the international exchange. The session will be divided according to the following topics: Spine, Hip, Special Topics, Lower Extremity, Congenital Syndromes, Trauma, Basic Science, Foot/Ankle, Neuromuscular, Upper Extremity and Sports. The best free paper will receive a prize given by the IFPOS board. We will also have the 51 e-posters.

YOUNG MEMBERS FORUM
5:00 PM – 6:30 PM

I: Negotiation In Practice: How To Get Both What You Need And What You Want
Scott J. Mubarak, MD

5:10 PM – 5:20 PM
II: Managing Research And Practice: Securing And Using Protected Time Effectively
Harry KW. Kim, MD

5:20 PM – 5:30 PM
III: A Professional Life In Balance: Time Management For Pedi Orthopods
John (Jack) M. Flynn, MD

5:30 PM – 5:35 PM
IV: How POSNA Can Help Your Career
Peter O. Newton, MD

5:35 PM – 6:00 PM
Questions And Answers
Moderator: Brian G. Smith, MD

6:00 PM – 6:30 PM
Networking/Socializing
2013 POSNA Afternoon
Symposia Program

THURSDAY, MAY 2, 2013

Disaster Response Symposium
1:30 PM – 3:00 PM
Chair: William L. Hennrikus, MD

This 90 minute break out symposium is designed to update pediatric orthopaedic surgeons about unique patient care requirements presented by the austere environments of disaster. Valuable information will be presented for personal and team preparation to effectively handle the physical, emotional, and care management skills needed to treat injured children in areas affected by catastrophic events.

At the conclusion of this symposium the learner should be able to:
- Identify the challenges of caring for pediatric victims of disaster in an austere environment.
- Describe injuries commonly encountered in the disaster environment.
- Discuss personal and team preparation for serving as a member of a disaster response team.

NP/PA (POPS) Symposium
1:30 PM – 3:00 PM
Co-Chairs: Coley Vitztum, RN, Allison Lind, RN, MN, MPH, CPNP
Faculty: John P. Dormans, MD, James G. Wright, MD, Brian D. Snyder, MD, PhD

The Assessment, Diagnosis And Evidence-Based Treatment Of Bone Cysts And Tumors

This 90 minute symposium will delve into the latest research and trends in the assessment, diagnosis and evidence-based treatment of bone cysts and tumors. Dr. John Dormans from The Children's Hospital of Philadelphia will lead the discussion by presenting on the evaluation and treatment of bone tumors. Dr. Brian Snyder from Boston Children's will present on biomechanics of bone cysts and the prophylactic treatment of impending fractures, and Dr. James Wright from Toronto Sick Kids will discuss evidence-based treatment and outcomes for unicameral bone cysts. The presentations will be followed by a panel discussion.

Practice Management Symposium
1:30 PM – 3:00 PM
Co-Chairs: Jeffrey R. Sawyer MD, Kerwyn C. Jones MD
Faculty: Randolph B. Cohen, MD, Kerwyn C. Jones, MD, Scott J. Mubarak, MD, Jeffrey R. Sawyer, MD

Enhancing Efficiency And Revenue In Pediatric Orthopaedic Practice

Due the challenging health care environment, pediatric orthopaedic surgeons are faced with increased workloads accompanied by increasing costs and declining reimbursement. The purpose of this symposium is for the participant to learn strategies to improve efficiency and revenue as well as decrease expenses while still providing high quality orthopaedic care. The faculty will share their experiences with topics such as the use of physician-extenders, the LEAN principles, negotiating with hospitals/insurers, as well as ways to increase office/surgical revenue. A significant portion of this symposium is devoted to faculty-audience discussions.

POSNA SharePoint Tutorial and Symposium
3:15 PM – 4:45 PM
Chair: Bryan Tompkins, MD
Faculty: Bryan Tompkins, MD, Thomas G. McPartland, MD, Internet Committee Members

In the coming year, POSNA will be introducing Microsoft SharePoint Foundation, a powerful online collaboration tool for members. Committees and groups within POSNA will be able to leverage this platform to build online communities, manage tasks, store documents and media and other collaborative features. This workshop is designed for members to learn the basic tools and skills necessary to use and manage SharePoint. This interactive workshop is designed for committee leaders who wish to develop their own SharePoint site and POSNA members who want learn how to contribute to existing sites. NO advanced computer knowledge is required.

Early Registration Deadline: March 4, 2013 — Registration Form on page 31.
Evidence Based Medicine/ Clinical Trials Symposium

3:15 PM – 4:45 PM

Co-Chairs: Kishore Mulpuri, MD, Brian Brighton, MD, MPH

Faculty: James Sanders, MD, Colin Moseley, MD, Andrew Howard, MD, Michael Goldberg, MD, Peter Newton, MD (HARMS Study Group), Daniel Sucato, MD (Spinal Deformity Study Group), Kevin Shea, MD (ROCK Study Group), Behroz Akbarnia, MD (Growing Spine Study Group), Harry Kim (International Perthes Study Group), Kishore Mulpuri, MD (International Hip Dysplasia Institute), Michelle C. Marks, PT, MA

The Evidence Based Medicine and Clinical Trials Symposium includes an outstanding faculty who will focus our discussion on the current state of evidence based medicine, the application of clinical practice guidelines in practice, and provide updates on clinical trials. The second half of the program features leaders in our society who are actively involved in and leading national/international study groups with particular focus on pediatric spinal deformity, pediatric and adolescent hip conditions and sports medicine. Members from each study group will be presenting an overview and structure of their study groups, research activities, and also discuss some key points that make their study groups successful and what challenges and directions they face going forward. It is indeed an exciting time for all of us as POSNA members, and POSNA as a society continues to strive and advance the field through ongoing research and provide the most relevant information on pediatric musculoskeletal health related conditions.

COUR Symposium (and Scholar Presentations)

3:15 PM – 6:00 PM

Chair: Sanjeev Sabharwal, MD

Faculty: Michelle A. James MD, (Moderator), Robert M. Bernstein, MD, Coleen S. Sabatini, MD, Andrea S. Bauer, MD

The COUR symposium will focus on developing and maintaining a pediatric orthopaedic outreach program. Topics pertinent to POSNA members interested in volunteer activities in resource challenged environments will be highlighted. Themes including developing and maintaining an outreach program, the role of U.S. and local trainees, feasibility of performing complex surgeries and getting informed consent in austere environments will be discussed by a panel of speakers with a broad range of experience in overseas medical missions. This session will be moderated by Michelle James. Other members of the panel are Matt Bernstein, Coleen Sabatini and Andrea Bauer. Immediately following this symposium, there will be a short presentation by each of the visiting COUR scholars. All are invited to attend and meet these emerging leaders of pediatric orthopedics in the international community.

2013 POSNA Subspecialty Day Agenda

Friday, May 3, 2013

Hip Subspecialty Day

Co-Chairs: Michael Millis, MD, Ira Zaltz, MD

Period 1

1:00 PM – 2:15 PM

DDH

1:00 PM – 1:04 PM Welcome And Introduction Michael B. Millis, MD, Ira Zaltz, MD

1:05 PM – 1:25 PM Keynote Address John H. Wedge, MD, FRCS

1:26 PM – 1:35 PM Pavlik Harness: Pearls For Success, When To Bail Out And What Else To Do When The Pavlik Isn’t Working? James R. Kasser, MD


1:47 PM – 1:57 PM Acetabuloplasty In The Walking Age Child. Which One? How? Andreas Roposch, MD

1:58 PM – 2:15 PM Questions And Cases

2:16 PM – 2:30 PM Break

Period 2

2:30 PM – 3:45 PM

PERTHES

2:30 PM – 2:40 PM Perthes Update: Pathogenesis and Emerging Therapies, What We Learn From Bench Research Harry KW Kim, MD

2:40 PM – 2:46 PM Non-Operative Treatment For Lateral Column B/C And C Hips

2:47 PM – 2:55 PM Containment In 2013: Who Should Receive Treatment? David A. Podeszwa, MD


3:05 PM – 3:13 PM Impingement In Healed Perthes: Various Types And How To Treat Ernest L. Sink, MD

3:14 PM – 3:22 PM The Symptomatic Osteochondral Fragment In Healed Perthes: Treatment Options Ira Zaltz, MD

3:23 PM – 3:33 PM Chondrolysis: Pathophysiology And Treatment Vrisha Maduri, MD

3:34 PM – 3:45 PM Discussion And Cases

3:45 PM – 4:00 PM Break

Register Online Today at www.posna.org.
2013 POSNA Subspecialty Day Agenda (continued)

FRIDAY, MAY 3, 2013

PERIOD 3
4:00 PM—5:15 PM

FREE PAPERS
4:05 PM—4:09 PM

Testing Newly Developed Standardized Diagnostic Criteria For DDH In Consecutive Patients Referred To A Paediatric Orthopaedic Unit
Andreas Roposch, MD, Evangelia Protopapa, Deborah Ridout, Deborah Eastwood, MD, Christopher Bradish

4:10 PM—4:14 PM

The Factors Related To Result In The Developmental Dislocation Of The Hip With Widened Joint Space After Primary Treatment:
Hui Taek Kim, MD, Tae-Hoon Lee, Jong-Seo Lee, MD

4:15 PM—4:19 PM

Diffusion-Weighted MRI Of The Femoral Head In Developmental Dysplasia Of The Hip: Initial Comparison To Gadolinium-Enhanced MRI Perfusion Imaging
Travis Matheney, MD, Moti Freiman, PhD, Michele M. Walters, MD, Susan Connolly, MD

4:20 PM—4:27 PM

Discussion

4:28 PM—4:32 PM

Periacetabular Triple Innominate Osteotomy For Improved Containment Of Hips With Poor Prognosis After Legg-Calvé-Perthes-Waldenstrom (LCPW)
G. Ulrich Exner, MD

4:33 PM—4:37 PM

Intraoperative Monitoring Of Epiphyseal Perfusion In Slipped Capital Femoral Epiphysis:
Timothy Shrader, MD, Christopher Jones, MD, Adam Kaufman, MD

4:38 PM—4:42 PM

Severe Slipped Capital Femoral Epiphysis; Fish Osteotomy Versus Pinning In Situ: An Eleven Year Perspective
Sattar Alshryda, MD, Kai Tsang, Mubashshar Ahmed, Akinwanda Adedapo, Richard Montgomery, MD

4:43 PM—4:50 PM

Discussion

4:51 PM—4:55 PM

The Cross Table Lateral Radiograph Results In Significantly Increased Effective Radiation Dose:
David A. Podeszwa, MD, Megan Lynn Young, MD, Andriana De La Rocha, MS, Molly Dempsey

4:56 PM—5:00 PM

Pediatric Implant Related Fractures After Proximal Femoral Osteotomies: Blade Plates Vs. Screw And Side Plate Constructs
Amit Jain, MD, John Thompson, Michael Paloski, Paul D. Sponseller, MD

5:01 PM—5:05 PM

Adolescents With Hip Pain May Be At Risk For Anxiety And Depression Prior To Hip Preservation Surgery
David A. Podeszwa, MD, Heather Richard, PsyD, Erica L. Rosentraub, PhD, Andriana De La Rocha, MS, Sandy Roland, PhD, Daniel J. Sucato, MD

5:06 PM—5:13 PM

Discussion

SPINE SUBSPECIALITY DAY
1:00 PM—5:15 PM

Co-Chairs: Firoz Miyanji, MD, Lawrence Lenke, MD

PERIOD I
1:00 PM—2:15 PM

Moderator: Firoz Miyanji, MD

DEBATES:

a. Neuromuscular Scoliosis (CP) – When and Whom to Operate On?
1:00 PM—1:07 PM
“Prophylactic” Approach is Best
Paul D. Sponseller, MD

1:07 PM—1:14 PM
“Reactive” Surgery Better
Unni G. Narayanan, MD

b. Growth Modulation in Idiopathic Scoliosis – The Fusionless Frontier
1:14 PM—1:21 PM
You Fuse, You Lose
Randal Betz, MD

1:21 PM—1:28 PM
It’s Only A Matter Of Time…To Fusion
Alvin H. Crawford, MD

1:28 PM—1:37 PM
Case Presentations/Panel Discussion (incl Audience Response)
Moderator: Firoz Miyanji, MD
Panel: Paul Sponseller, MD, Unni G. Narayanan, MD, Randal Betz, MD, Alvin H. Crawford, MD, Doug Heddon, Burt Yaszay, MD

c. The Thoracolumbar (Lenke 5) Curve:
1:37 PM—1:44 PM
I Still Do Anterior Approach
David S. Marks, MD

1:44 PM—1:51 PM
I Only Do Posterior Approach
Lawrence G. Lenke, MD

d. High Grade Spondylolisthesis:
1:51 PM—1:58 PM
The Case for Postural Reduction and In Situ Fusion
Hubert H.L. Labelle, MD

1:58 PM—2:05 PM
The Case For Reduction And Interbody Fusion
Robert W. Gaines, Jr, MD

Early Registration Deadline: March 4, 2013 — Registration Form on page 31.

Program Subject to Change
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Moderators/Panelists</th>
</tr>
</thead>
</table>
| 2:05 PM – 2:14 PM | Case Presentations/Panel Discussion (incl Audience Response)                           | *Moderator: Firoz Miyanji, MD*  
*Panel: Hubert H. L. Labelle, Robert W. Gaines, Jr, MD, Lawrence G. Lenke, MD, David S. Marks, Stephen Lewis, MD* |
| 2:15 PM – 2:30 PM | Break                                                                                   |                                                                                      |
| 2:35 PM – 2:39 PM | The Effect Of Flap Closure Versus Standard Closure Of Posterior Spinal Fusion In Neuromuscular And Syndromic Scoliosis | *Debra Sala, MS, PT, David S. Feldman, MD, James P. Ward, MD, Justin Paul, MD, PhD, Thomas J. Ernico, MD, Michael S. Margiotta, MD* |
| 2:40 PM – 2:44 PM | Assessment For Deep Wound Infections Following Pediatric Scoliosis Surgery              | *Suken Shah, MD, Sina Pourtaheri, MD, Freeman Miller, MD, Kirk W Dabney, MD, Susan Dubowsky, PA-C, Laurens Holmes, PhD* |
| 2:50 PM – 2:54 PM | A Pre-Operative Surgical Site Infection Prevention Bundle With Patient Adherence Components For Surgical Spinal Patient | *Peter F. Sturm, MD, Joshua Schaffzin, MD, Jennifer M. Anadio, MA, Mary Anne Lenk, BS, Maureen Grady, RN II* |
| 2:55 PM – 3:02 PM | Discussion                                                                             |                                                                                      |
| 3:03 PM – 3:07 PM | Antifibrinolytic Use In Pediatric Scoliosis Surgery: Does Recent Practice Reflect Evolution Of The Evidence? | *John P. Dormans, MD, Lisa McLeod, MD, John (Jack) M. Flynn, MD* |
| 3:08 PM – 3:12 PM | Amicar Versus Tranexamic Acid In Pediatric Spinal Deformity Surgery: A Prospective Randomized Double Blinded Study | *Matthew Halanski, MD, Jeffrey A. Cassidy, MD, Scott Hetzel, MS, Diann Reischman, PhD, Nabil Hassan, MD* |
| 3:13 PM – 3:17 PM | Non-Idiopathic Scoliosis Patients: Tranexamic Acid And Transfusion Requirements In Posterior Spinal Fusion Patients Receiving Intrathecal Morphine | *David Skaggs, MD, Gideon Blumstein, MS, Derek A. Seehausen, BA, Patrick Ross, MD* |

Program Subject to Change

Register Online Today at www.posna.org.
## Sports Subspecialty Day

**Co-Chairs:** Jennifer M. Weiss, MD and Kevin G. Shea, MD

### PERIOD 1

1:00 PM – 2:15 PM

**The Most Memorable “Difficult Case” From The Faculty Members**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Arthrofibrosis Post Tibial Spine Fracture</td>
<td>Benton E. Heyworth, MD</td>
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<tr>
<td>1:09 PM</td>
<td>Osteochondritis Dissecans</td>
<td>John D. Polousky, MD</td>
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<tr>
<td>1:18 PM</td>
<td>A Difficult Sports Case And What I Learned From It</td>
<td>Jay C. Albright, MD</td>
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<td>1:26 PM</td>
<td>Patellar Instability</td>
<td>Hank G. Chambers, MD</td>
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<tr>
<td>1:35 PM</td>
<td>A Difficult Upper Extremity Sports Case And What I Learned From It</td>
<td>Kevin H. Latz, MD</td>
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<tr>
<td>1:44 PM</td>
<td>A Difficult Hip Sports Case And What I Learned From It</td>
<td>M. Lucas Murnaghan, MD</td>
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<tr>
<td>1:53 PM</td>
<td>Question And Answer</td>
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### PERIOD 2

2:30 PM – 3:45 PM

**Free Papers**

**Moderator:** Jennifer M. Weiss, MD

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tr>
<td>2:30 PM</td>
<td>Biomechanical Validation Of The Unloading Knee Brace In Juvenile Osteochondritis Dissecans Using Gait Analysis:</td>
<td>Henry B. Ellis, Jr, MD, Jason Donovan, Trevor Da Silva, Jan Andrysek, Unni G. Narayanan, MD, FRSC, M. Lucas Murnaghan, MD</td>
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<tr>
<td>2:34 PM</td>
<td>The Demographics And Epidemiology Of Osteochondritis Dissecans Of The Knee In Children:</td>
<td>Jeffrey L. Kessler, MD, Hooman Nikizad, MD, Kevin G. Shea, MD, John Jacobs, Jennifer M. Weiss, MD</td>
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<td>2:38 PM</td>
<td>Clinical Outcome Of Internal Fixation Of Unstable Osteochondritis Dissecans Lesions Of The Knee</td>
<td>Jonathan E. Webb, MD, Laura Lewallen, MD, Christy Christophersen, Aaron Krych, MD, Amy L. McIntosh, MD</td>
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<td>2:42 PM</td>
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### PERIOD 3

4:00 PM – 5:15 PM

**Moderator:** Kevin Shea, MD

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<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tr>
<td>4:00 PM</td>
<td>Tibial Spine (Case Debate)</td>
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<tr>
<td>4:00 PM</td>
<td>a) Suture Fixation</td>
<td>Michael T. Busch, MD</td>
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<td>4:00 PM</td>
<td>b) Screw Fixation</td>
<td>Theodore J. Ganley, MD</td>
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<td>4:20 PM</td>
<td>Medial Epicondyle: Fix Or Not To Fix? (Case Debate)</td>
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<td>4:20 PM</td>
<td>a) Do Not Fix</td>
<td>Lawrence Wells, MD</td>
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<tr>
<td>4:20 PM</td>
<td>b) Fix</td>
<td>Eric W. Edmonds, MD</td>
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**POSNA extends sincere appreciation to OrthoPediatrics for an educational grant in support of this session.**

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**Early Registration Deadline:** March 4, 2013 — Registration Form on page 31.

Program Subject to Change
Hand Subspecialty Day
1:00 PM–5:15 PM
Co-Chairs: Donald S. Bae, MD, Charles A. Goldfarb, MD

PERIOD 1
1:00 PM–2:15 PM
Post-Traumatic Reconstruction: Case based consults
Moderator: Donald S. Bae, MD
1:00 PM–1:10 PM Welcome
1:10 PM–1:16 PM How To Treat Lateral Condyle Nonunion And Malunion
Andrea S. Bauer, MD
1:16 PM–1:22 PM Indications And Techniques Of Post-Traumatic Elbow Contracture Release
Lisa L. Lattanza, MD
1:22 PM–1:28 PM How To Treat The Chronic Monteggia Lesion
Robert B. Carrigan, MD
1:30 PM–1:50 PM Trauma Cases And Panel Discussion
Andrea S. Bauer, MD, Lisa L. Lattanza, MD, Robert B. Carrigan, MD, Joshua M. Abzug, MD
1:50 PM–1:56 PM Distal Radius Growth Arrest
Suken A. Shah, MD
1:56 PM–2:02 PM Late Presenting Phalangeal Neck Fractures
Roger Cornwall, MD
2:02 PM–2:15 PM Trauma Cases And Panel Discussion
Suken A. Shah, MD, Roger Cornwall, MD, Nina R. Lightdale, MD, Allan E. Peljovich, MD
2:15 PM–2:30 PM Break

PERIOD 2
2:30 PM–3:45 PM
Congenital Hand and Upper Limb
Moderator: Charles A. Goldfarb, MD
2:30 PM–2:36 PM RLD: Argument For Distraction And Centralization
Ann E. Van Heest, MD
2:36 PM–2:42 PM RLD: Case For Observation And Soft Tissue Rebalancing
Marybeth Ezaki, MD
2:42 PM–2:55 PM Congenital Cases And Panel Discussion
Ann E. Van Heest, MD, Marybeth Ezaki, MD, Michael J. Garcia, MD, Charles A. Goldfarb, MD
2:55 PM–3:01 PM Arthrogryposis: Treatment Of Elbow Contracture:
Michelle A. James, MD
3:01 PM–3:07 PM Arthrogryposis: Indications And Techniques For Wrist And Thumb Surgery
Scott H. Kozin, MD
3:07 PM–3:20 PM Neuromuscular Cases And Panel Discussion
Michelle A. James, MD, Scott H. Kozin, MD, Scott A. Riley, MD, Gloria Gogola, MD
3:20 PM–3:26 PM Exostoses Of The Forearm: Indications And Techniques Of Excisions And Osteotomies
Terry R. Light, MD
3:26 PM–3:32 PM Exostoses Of The Forearm: When And How To Do A One-Bone Forearm
Peter M. Waters, MD

3:42 PM–3:45 PM Miscellaneous Cases And Panel Discussion
Terry R. Light, MD, Peter M. Waters, MD, Dan A. Zlotolow, MD

3:45 PM–4:00 PM Break

PERIOD 3
4:00 PM–5:15 PM
Papers + Invited Lectures
4:05 PM–4:09 PM Referral Patterns Of Emergent Pediatric Hand Transfers To A Tertiary Care Center
Robert B. Carrigan, MD, Melissa Gunderson, BA, Alex Gornitzky, Benjamin Chang, MD
4:10 PM–4:14 PM Steroid Injection For Unicameral Bone Cysts Of The Proximal Humerus In The Skeletally Immature
Scott J. Mubarak, MD, Christopher Bray, MD, Harish S. Hosalkar, MD, Molly Moor, MPH
4:15 PM–4:19 PM Outcomes Of Operative Treatment Of Triangular Fibrocartilage Tears In Pediatric And Adolescent Athletes
Felicity G. Fishman, MD, Allan E. Peljovich, MD, Gary M. Lourie, MD, Joshua Ratner, MD
4:20 PM–4:24 PM Diagnostic Utility Of Wrist MRI In The Pediatric Population
Robert B. Carrigan, MD, Alex Gornitzky
4:33 PM–4:37 PM Two-Stage Correction Of Wrist Flexion Contracture In Amyoplasia
Scott A. Riley, MD, Ronald C. Burgess, MD
4:38 PM–4:42 PM Functional Evaluation Of Forearm Pronation Osteotomy For Supination Contracture Due To Brachial Plexus Birth Palsy
Sevan Hopyan, MD, Brant Sachtelen, MD, Jamie O’Callaghan, MBBS, Alison Anthony, Emily Ho, Sevan Curtis, Howard Clarke
4:43 PM–4:47 PM Intra-Articular Radial Head Fractures In The Skeletally Immature Patient: Complications And Management
Amy Nguyen, MS, Richard Ackerson, MD, Patrick Carry, Breanna Pritchard, BS, Nancy Hadley Miller, MD, Francis A. Scott, MD
4:56 PM–5:00 PM Assessment Of Radiocapitellar Line Accuracy During Skeletal Maturity Using Magnetic Resonance Imaging
Kevin J. Little, MD, Lauren M. Fader, MD, Emily A. Eismann, MS, Roger Cornwall, MD, Tal Laor, MD
5:01 PM–5:05 PM Intra-Articular Radial Head Fractures In The Skeletally Immature Patient:Complications And Management
Amy Nguyen, MS, Richard Ackerson, MD, Patrick Carry, Breanna Pritchard, BS, Nancy Hadley Miller, MD, Francis A. Scott, MD
4:56 PM–5:10 PM Pathologic Features And Elbow Arthroscopy In Trochlear Osteonecrosis An Analysis Of 17 Cases
Henry B. Ellis, Jr, MD, Kelsey Wise, MD, Chrise Ho, MD, Philip Wilson, MD

Register Online Today at www.posna.org.
LOWER EXTREMITY AND NEUROMUSCULAR SUBSPECIALTY DAY

Co Chairs: Hank G. Chambers, MD, Scott A. Hoffinger, MD

PERIOD I
1:00 PM – 2:15 PM

Free Papers and Discussion

1:00 PM – 1:04 PM Welcome

1:05 PM – 1:09 PM The Impact Of Gait Analysis On Correction Of Excessive Internal Hip Rotation In Ambulatory Children With Cerebral Palsy
Christopher Lening, MD, Susan Rethlefsen, Tishya A.L. Wren, PhD, Robert Kay, MD

1:10 PM – 1:14 PM Gait Patterns In Diplegic Spastic Cerebral Palsy – A Classification Based At 1805 Cases
Mauro Cesar De Morais Filho, MD, Catia M. Kawamura, Jose Augusto F. Lopes, Daniella Lins Neves, Michelle Cardos, Jordana Caiafa

1:15 PM – 1:19 PM Relationships Between Isometric Muscle Strength, Gait Parameters, And Gross Motor Function Measure In Patients With Cerebral Palsy
Moon Seok Park, Seung Yeol Lee, MD, Chin Youb Chung, Kyoun Min Lee, Ki Hyuk Sung, MD, Young Choi, In Ho Choi, MD, Tae-Joon Cho, MD, Won Joon Yoo, MD

1:20 PM – 1:27 PM Discussion

1:28 PM – 1:32 PM Dega Acetabuloplasty In The Treatment Of Spastic Hips: Results At Skeletal Maturity
Cindy Mallet, MD, Brice Ilharreborde, MD, PhD, Ana Presedo, Georges-François Penneçot, Keyvan Mazda, MD

1:33 PM – 1:37 PM An Alternative Method For Femoral Varus Derotational Osteotomy In Spastic Cerebral Palsy: The Rush Rod
Brian J. Deignan, MD, H. Robert Tuten, MD

1:38 PM – 1:42 PM Should Routine Proximal Femoral Hardware Removal Be Performed In Children With Cerebral Palsy?
Walter Lam Huu Truong, MD, Tom F. Novacheck, MD, Andrew W. Howard, MD, Unni G. Narayanan, MD, FRCSC

1:43 PM – 1:50 PM Discussion

1:51 PM – 1:55 PM Spinal Deformity Correction In Conjunction With Tethered Cord Release
Haluk Alliok, MD, Anne Riordan, Sahar Hassani, Joseph Krzak, Adam Graf, Ann Flanagan

Program Subject to Change

PERIOD II – LOWER EXTREMITY
2:30 PM – 2:50 PM Clubfeet / Vertical Talus – How to Prevent and Manage Failures (Pearls / Pitfalls)
Matthew Dobbs, MD

2:55 PM – 3:10 PM Congenital Pseudarthrosis of the Tibia
Charles E. Johnston, MD

3:15 PM – 3:35 PM Extended Limb Lengthening in Dwarfism – Shawn C. Standard, MD

PERIOD III – NEUROMUSCULAR
Michael D. Sussman, MD

3:55 PM – 4:00 PM Break

4:00 PM – 4:10 PM Myelomeningocele – Management in 2013 – 2020
Vineeta Swaroop, MD

4:15 PM – 4:25 PM Cerebral Palsy – Classification by GMFCS / FMS, Treating GMFCS I and II
H. Kerr Graham, MD, FRCSC

4:30 PM – 4:40 PM Mechanical Definition of Crouch Gait / Lever Arm Dysfunction
Scott A. Hoffinger, MD

4:45 PM – 4:55 PM Management of GMFCS III Patients
Hank G. Chambers, MD

5:00 PM – 5:10 PM Management of Non-ambulatory GMFCS V Patients
Freeman Miller, MD

5:15 PM – 5:25 PM Regenerative Medicine / Stem Cells / Cord Blood
Scott A. Hoffinger, MD