

POSNA 2008 ANNUAL MEETING
Scientific Program

Thursday, May 1, 2008

8:00 – 8:05 AM **Welcome and Announcements**
R. Baxter Willis, MD, President
MD, Local Host

HIP

Presider: Jose A Herrera-Soto, MD
Moderator: Colin Mosley, MD

01

08:05 am - 08:09 am

Ligamentum Teres Transfer to Improve Stability in Open Reduction of the Hip in Children: Results of a Pilot Study

Dennis R. Wenger, MD; Patrick C. Henderson, MD; Tracey Bastrom, MA; Firoz Miyanji, MD

02

08:10 am - 08:14 am

Successful Treatment Of Ortolani-Positive Hips With Pavlik Harness, Abduction Orthosis, and Orthopedic Office-Based Ultrasound

Vineeta Swaroop, MD; Scott .J Mubarak, MD

03

08:15 am - 08:19 am

Functional and Radiographic Results of Surgical Treatment of Patients with Neglected Developmental Dysplasia of the Hip

Pablo Castaneda, MD; Erika Arana, MD; Felipe Haces, MD; Nelson Cassis, MD

04

08:20 am - 08:24 am

Radiographic and Gait Outcome Following Ganz Periacetabular Osteotomy for Adolescent Hip Dysplasia

Daniel J. Sucato, MD, MS; Kirsten Tulchin, MS; Wade Shrader, MD; Elizabeth K Foster, BS; Adriana Hernandez, BS; Taylor Gist, BS; Geraldine Sheu, BS

08:25 am – 08:37 am -Discussion

05

08:38 am - 08:42 am

Characterization of the Population that Sustains an Unstable Slipped Capital Femoral Epiphysis

Thomas G. McPartland, MD; Michael B. Millis, MD; Young Jo Kim, MD

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08:43 am - 08:47 am

Functional Outcome of Stable Grade III Slipped Capital Femoral Epiphysis Treated with In Situ Pinning

Pablo Castaneda, MD; Carlos Macias, MD; Adolfo Rocha, MD; Alberto Harfush MD; Nelson Cassis, MD

07

08:48 am - 08:52 am

Treatment of Moderate to Severe SCFE with Extracapsular Base-of-Neck Osteotomy: A Long Term Study

Edward Abraham, MD; Jacob B. Manuel, MD; James P. McFadden, MD

08:53 am – 09:02 am - *Discussion*

08

09:03 am - 09:07 am

Early Surgical Treatment of Severe Forms of Legg-Calve-Perthes Disease(Herring C/Catterall IV) Leads to Improved Results

Alain Dimeglio, MD; Paula M. Kelly, MD; Frederic Canavese, MD; Ali Mazen, MD

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09:08 am - 09:12 am

Advanced Containment Methods For Perthes Disease: Results Of Triple Pelvic Osteotomy

Christine Caltoum, MD; Maya E. Pring, MD; Francois Lalonde, MD; Tracey P. Bastrom, MA; Dennis R. Wenger, MD

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09:13 am - 09:17 am

Articulated Hip Distraction Arthroplasty: A Treatment Option for Avascular Necrosis of the Child and Adolescent Femoral Head

Jaime A. Gomez, MD; Michael G. Vitale, MD, MPH; David P. Roye, Jr, MD; Joshua E. Hyman, MD; Hiroko Matsumoto, MS; Salih Marangoz, MD; Harold J. P. van Bosse, MD; David S. Feldman, MD

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09:18 am - 09:22 am

Femoral Valgus Osteotomy for Advanced Femoral Head Osteonecrosis and Perthes Disease in Children and Adolescents.

Joshua E. Hyman, MD; Jaime A. Gomez, MD; Hiroko Matsumoto, MA; Michael G. Vitale, MD, MPH; Brian E. Kaufman, BS; David P. Roye, Jr MD

09:23 am – 09:35 am - *Discussion*

09:36 am – 09:51 am - *Distinguished Achievement Award*

09:52 am – 10:22 am – POSTER SESSION / BREAK

TRAUMA

Presider: Twee Do, MD

Moderator: Charles Price, MD

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10:23 am - 10:27 am

Expanding Pediatric Orthopaedic Trauma Volume at a Pediatric Level 1 Trauma Hospital
Dan S. Chan, MD; David A Podeszwa, MD; Debra Brown, RN; Adam J. Starr, MD

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10:28 am - 10:32 am

Pediatric Supracondylar Humerus Fractures: Association with Improper Equipment Use Zones

Min J. Park, MMSC; Nomi Weiss-Laxer, MA; Julia A. Katarincic, MD; Michael J. Mello, MD, MPH; Craig P. Ebersson, MD

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10:33 am - 10:37 am

A Randomized Controlled Trial of School Playground Surfacing to Prevent Upper Extremity Fractures

Andrew W. Howard, MD FRCSC; Linda Rothman, MHSc; Colin MacArthur, MBBS; Andrew Willan, PhD; Alison MacPherson, PhD

10:38 am – 10:47 am - Discussion

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10:48 am - 10:52 am

Clinical Scaphoid Fractures in Children

Andrea J. Evenski, MD; Patrick M. Riley, MD; Mark J. Adamczyk, MD; Alonna Norberg, MD; John Norberg, MD; Melanie A. Morscher, BS

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10:53 am - 10:57 am

A New Classification System Predictive of Complications in Surgically Treated Pediatric Humeral Lateral Condyle Fractures

Jennifer M. Weiss, MD; Sara Graves, BA; Scott Wang, BS; Elliott Mendelsohn, BS; Robert Kay, MD; David L. Skaggs, MD

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10:58 am - 11:02 am

Comparison of K-wire vs. Screw Fixation of Lateral Condyle Fractures

Shawn R. Gilbert, MD; A. Reed Estes, MD

11:03 am – 11:12 am - Discussion

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11:13 am - 11:17 am

Distal Tibial Physeal Injuries: How Common is Premature Physeal Closure?

Mihir M. Thacker, MD; Dinesh Thawrani, MD; Aaron G. Littleton, BSc

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11:18 am - 11:22 am

Burst Fractures of the Thoracolumbar Spine in Children and Adolescents.

Kelly Vanderhave, MD; Michelle S. Caird, MD; Steven Gross, MD; Frances A. Farley, MD; Michael Stauff, MD; Lee S. Segal, MD

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11:23 am - 11:27 am

The Efficacy of Helical CT versus Conventional Radiography of the Cervical Spine in Pediatric Trauma

Douglas E. Carlan, MD; Gregory A. Mencio, MD; Neil E. Green, MD

11:28 am – 11:37 am – Discussion

LOWER EXTREMITY

Presider: Twee Do, MD

Moderator: Perry Schoenecker, MD

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11:38 am - 11:42 am

Analysis of Mechanical Axis Following Stapling Epiphyseodesis for Limb Length Inequality

Stephen D. Santora, MD; Troy Gorman, MD; Ryan Vanderwerth; Mike Pond, PA

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11:43 am - 11:47 am

Failure of Orthofix Eight-plate for the Treatment of Adolescent Blount's Disease

Samuel R. Schroerlucke, MD; Styles L. Bertrand, MD; Logan Fields, MD; John Clapp, MD; Justin V. Bundy, MD; Haitou Zhou, MD; Frederick N. Gregg, DO

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11:48 am - 11:52 am

The Effect of Circular External Fixation on Lower Limb Alignment

Sanjeev Sabharwal, MD; Sameer Badarudeen, MD; Emily McClemens PA-C; Edward Choung, MD

11:53 am – 12:02 pm - Discussion

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12:03 pm - 12:07 pm

The Use of Arthrograms in Correcting Lower Extremity Malalignment in Achondroplasia

Michael C. Ain, MD; Shannon C. Fraser, BS

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12:08 pm - 12:12 pm

Tibia VARA Deformity after Below-knee and SYME Amputation in Children

Lee S. Segal, MD; Robin C. Crandall, MD

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12:13 pm - 12:17 pm

Angular Deformity in Pediatric Transtibial Amputation Stumps

Ashish Ranade, MD; James J. McCarthy, MD; Richard S. Davidson, MD

12:18 pm – 12:27 pm - Discussion

12:28 pm – 12:30 pm - Adjourn Direction to Symposium

12:30 pm – 01:00 pm – Lunch

1:00 pm – 4:50 pm – **SYMPOSIUM** Breakout Sessions

1:00 pm – 2:45 pm Spine Symposium

Foot Symposium: Foot Deformities (Birth to Adolescence)

Communication Symposium: Communication Skills for Pediatric
Orthopaedists – A Challenge

Hip and Basic Science Symposium – Part I

2:45 pm – 3:05 pm – BREAK

3:05 pm – 4:50 pm Hip and Basic Science Symposium – Part II

CP/Gait Symposium: A Case-based Approach to the Treatment
of Lower Extremity Disorders in Children with CP

NP/PA Symposium: Infection Trends and Update

Trauma Symposium

Friday, May 2, 2008

7:45 AM – 7:47 AM Welcome and Announcements

Kenneth J. Noonan, MD

UPPER EXTREMITY

Presider: Howard Epps, MD

Moderator: Peter Waters, MD

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07:48 am - 07:52 am

Ulnarization for the Treatment of Radial Clubhand

Dror Paley, MD, FRCSC; Shawn C. Standard, MD; Mohan V. Belthur, MD; Gaurav Jindal, MD; Avinash Ranade, MD

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07:53 am - 07:57 am

One Stage Shoulder Release and Tendon Transfer for Obstetrical Birth Paralysis in Older Children

Gholam H. Shahcheraghi, MD, FRCSC; Mahzad Javid, MD

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07:58 am - 08:02 am

Hoffer Transfer may not Achieve Functional Shoulder Abduction and Elevation in Children with Erb's Palsy

Ismat B. Ghanem, MD; Naim Choucair, MD; Fernand M. Dagher, MD; Khalil E. Kharrat, MD

08:02 am – 08:11 am – Discussion

SPINE 1

Presider: Howard Epps, MD

Moderator: Charles Johnston, MD

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08:11 am - 08:15 am

Natural History of Early Thoraco-Lumbar Kyphosis in Children with Achondroplasia

Battugs Borkhuu, MD; Gilbert Chan, MD; Aaron G. Littleton, BSc; William G. Mackenzie, MD

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08:16 am - 08:20 am

Involvement of the Spine in Patients with Multiple Heredity Exostosis (MHE)

James W. Roach, MD; Joshua W. B. Klatt, MD; Nathan D. Faulkner, BS

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08:21 am - 08:25 am

Infantile Idiopathic Scoliosis: Natural History and Predictors of Curve Progression

Daniel J. Sucato, MD, MS; Sundeep Agrawal, BA; Brian Hasley, MD; Anna McClung, RN

08:25 am – 08:34 am - Discussion

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08:34 am - 08:38 am

Is Neuromonitoring Necessary for Growing Rod Lengthenings?

Wudbhav N. Sankar, MD; David L. Skaggs, MD; John B. Emans, MD; David S. Marks, MD; Suken A. Shah, MD; Paul D. Sponseller, MD; George H. Thompson, MD; Behrooz A. Akbarnia, MD

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08:39 am - 08:43 am

The Feasibility of Neuromonitoring for Cerebral Palsy Scoliosis and the Outcome of Neurological Complications

Suken A. Shah, MD; Paul D. Sponseller, MD; Mark F. Abel, MD; Peter O. Newton, MD; Daniel J. Sucato, MD; Lynn Letko, MD; Randal R. Betz, MD

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08:44 am - 08:48 am

Intrathecal Morphine Administration for Preemptive Analgesia in Children Undergoing Posterior Spinal Instrumentation and Fusion for Idiopathic Scoliosis

Paul A. Tripi, MD; Jennifer Potzman, MD; Connie Poe-Kocher, t CNP; Jochen P. Son-Hing, MD, FRCSC; George H. Thompson, MD

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08:49 am - 08:53 am

A Comparison of Three Methods of Pain Control for Posterior Spinal Fusions in Adolescent Idiopathic Scoliosis

Todd A. Milbrandt, MD; Manuj Singhal, MD; Christin Minter, MS; Anna McClung, MS; Vishwas R. Talwalkar, MD; Henry J. Iwinski, MD; Christopher Montgomery, MD; Daniel J. Sucato, MD

08:53 am – 09:05 am - Discussion

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09:05 am - 09:09 am

Return of Shoulder Girdle Function After Anterior versus Posterior AIS Surgery

Todd F. Ritzman, MD; Vidyadhar V. Upasani, MD; Jeff B. Pawelek, BS; Randal R. Betz, MD; Peter O. Newton, MD

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09:10 am - 09:14 am

Comparison of Severe Scoliosis Treated with or without Halo Traction

Paul D. Sponseller, MD; Peter O. Newton, MD; Oheneba Boachie, MD; Jack M. Flynn, MD; Lynn Letko, MD; Linda D'Andrea, MD; Keith H. Bridwell, MD; Munish Gupta, MD

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09:15 am - 09:19 am

Posterior Vertebral Column Resection (VCR) for Severe Pediatric Deformity: Minimum 2-year Follow-up on 29 Consecutive Patient

Lawrence G. Lenke, MD; Patrick T. O'Leary, MD; Brenda A. Sides, MA; Linda A. Koester, BA; Marsha Hensley, RN; Keith H. Bridwell, MD

09:19 am – 09:28 am - Discussion

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09:28 am - 09:32 am

Antibiotic-Loaded Allograft Decreases the Rate of Deep Wound Infection After Spinal Fusion in Cerebral Palsy

Battugs Borkhuu, MD; Andrzej Borowski, MD; Suken A. Shah, MD; Aaron G. Littleton, BSc; Kirk W. Dabney, MD; Freeman Miller, MD

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09:33 am - 09:37 am

Use of the Vacuum Assisted Closure in Pediatric Scoliosis Patients with Deep Spinal Infections

Joseph I. Krajbich, MD, FRCS; Federico Canavese, MD; Sanjeev Gupta, MBBS; Khaled M. Emara, MD

09:37 am – 09:43 am - Discussion

09:43 am – 10:08 am - Presidential Guest Speaker

Colin Moseley, MD

10:08 am – 10:33 am – POSTER SESSION / BREAK

SPINE 2

Presider: Michael Vitale, MD

Moderator: John Flynn, MD

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10:33 am - 10:37 am

The Treatment of Secondary Thoracic Insufficiency Syndrome of Myelomeningocele by a Hybrid VEPTR "Eiffel Tower" Construct with S-Hook Iliac Crest Pedestal Fixation

Robert M. Campbell, Jr MD; Melvin D. Smith, MD; Wesley Allen, BA; James W. Simmons, III DO, PhD; Stephen C. Inscore, MD; Barry R. Cofer, MD; John J. Doski, MD; Charmaine Grohman, RN

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10:38 am - 10:42 am

Surgically Generated Smoke Exposure to Surgeons During Scoliosis Surgery

Michael H. Jofe, MD; Randolph B. Cohen, MD

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10:43 am - 10:47 am

Prognostic DNA Test Predicts Progression of Adolescent Idiopathic Scoliosis Regardless of Lenke Curve Pattern

James W. Ogilvie, MD; Lesa M. Nelson, BS; Rakesh Chettier, MS; Kenneth Ward, MD

10:47 am – 10:56 am - Discussion

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10:56 am - 11:00 am

Comparison of Compensatory Curve Spontaneous Derotation After Selective Scoliosis Fusions

Todd F. Ritzman, MD; Vidyadhar V. Upasani, MD; Jeff B. Pawelek, BS; Randal R. Betz, MD; Baron S. Lonner, MD; Peter O. Newton, MD

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11:01 am - 11:05 am

Should Post-Operative Pulmonary Function be a Criterion That Affects Upper Instrumented Vertebral Body Selection in AIS Surgery?

John A. Schlechter, DO; Vidyadhar V. Upasani, MD; Jeff B. Pawelek, BS; **Peter O. Newton, MD**

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11:06 am - 11:10 am

Use of the Lenke Classification for Double Thoracic Curves: Does it Increase the Incidence of Fusion of the Proximal Thoracic Curve and Change Radiographic Outcomes?

Bryan Tompkins, MD; Daniel J. Sucato, MD MS; Anna McClung, RN

11:10 am – 11:19 am - Discussion

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11:19 am - 11:23 am

Evolution of Thoracic Pedicle Screws in AIS Over a Ten Year Period: Are the Outcomes Better?

Suken A. Shah, MD; Peter O. Newton, MD; Vidyadhar Upasani, MD; Randal R. Betz, MD; David H. Clements, MD; Harry L. Shufflebarger, MD; Tracey Bastrom, MS; Michelle Marks, MPT

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11:24 am - 11:28 am

CT Evaluation of Rotation Correction in Adolescent Idiopathic Scoliosis: A Comparison of an All Pedicle Screw Construct Versus a Hook-Rod System

JahanGir Asghar, MD; Amer F. Samdani, MD; Joshua Pahys, MD; Linda P. D'Andrea, MD; James T. Guille, MD; David H. Clements, MD; **Randal R Betz, MD**

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11:29 am - 11:33 am

Comparison of Rib Hump Deformity correction in AIS with Instrumented Posterior Spinal Fusion with or without Costoplasty using Double Rib Contour Sign.

Vivek Sharma, MD; Alvin H. Crawford, MD; Viral Jain, MD

11:33 am – 11:42 am – Discussion

AWARDS - CLINICAL

Presider: James Wright, MD

Moderator: James Kasser, MD

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11:42 am - 11:47 am

Open Reduction and Smooth K-wire fixation in Unstable SCFE

Klaus D. Parsch, MD

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11:48 am - 11:53 am

Cotrel Derotation Casting for Progressive Infantile Scoliosis

James O. Sanders, MD; Marcie L. Fitzgerald, PA-C; Joseph G. Khoury, MD; Shyam Kishan, MD; Aaron Wallace, MD; Mary Jane Smalley, CRNP; Kathy Oathout, RN; Shelly Mennini

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11:54 am - 11:59 am

The Treatment of Adolescent Blount's Disease with Hemiepiphysiodesis: Risk Factors for Failure

Amy L. McIntosh, MD; Chad Hanson, MD; Karl Rathjen, MD

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12:00 pm - 12:05 pm

Results of Chronic Monteggia Reconstruction in Children

Donald S. Bae, MD; Christina E. Kuo, MD; Peter M. Waters, MD

12:05 pm – 12:23 pm - Discussion

AWARDS – BASIC SCIENCE

Presider: James Kasser, MD

Moderator: James Wright, MD

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12:23 pm - 12:28 pm

Evaluation of Gene Expression in Slipped Capital Femoral Epiphysis Utilizing Laser Capture Microdissection and Rt-PCR

Thomas Scharschmidt, MD; Dennis S. Weiner, MD; Robin Jacquet, BS; Elizabeth Lowder, BS; Tyson Schrickel, MD; William J. Landis, PhD

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12:29 pm - 12:34 pm

rhPDGF-BB Increases New Bone Formation in a Rat Model of Distraction Osteogenesis

Michael G. Ehrlich, MD; Douglas C. Moore, MS; Charles E. Hart, PhD; Scott C. McAllister, BS; Anne M. Lesieur-Brooks, BS; Jason T. Machan, PhD; Clifford Voigt, BA; Elizabeth W. Weber, MD

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12:35 pm - 12:40 pm

Cellular and Molecular Events During Staple Epiphyseodesis Recovery

Todd A. Irwin, MD; Gary Gibson, PhD; Marcus Haemmerle, MD; Bingbing Zhang, PhD; Maozhou Yang, PhD; Ira Zaltz, MD

12:40 pm – 12:52 pm - Discussion

12:53 pm – 12:55 pm - Announcements - Local Host

Saturday, May 3, 2008

7:45 – 7:47 AM Welcome and Announcements
Daniel Sucato, MD

BASIC SCIENCE

Presider: Patricia Fuchs, MD

Moderator: Harry Kim, MD

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07:48 am - 07:52 am

Anterolateral Spinal Tethering Leads To Scoliosis with Compensatory Reverse Disc Wedging

Peter O. Newton, MD; Vidyadhar V. Upasani, MD; Christine L. Farnsworth, MS; Richard Oka, MS; Reid Chambers, BA; Jung R. Kim, MD; Andrew Perry, MD; Andrew Mahar, MS

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07:53 am - 07:57 am

COMP-Angiopoietin-1 Ameliorates Surgery-induced Ischemic Necrosis of the Femoral Head in Rats

Jung Ryul Kim, MD, PhD; Byung Wan Choi, MD; Kyu Hyung Kim, MD; Kyung Jin Song, MD PhD

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07:58 am - 08:02 am

Polygenic Threshold Model with Gender Dimorphism in Clubfoot Inheritance: The Carter Effect

Lisa Kruse, MD; Matthew B. Dobbs, MD; Christina A. Gurnett, MD

08:03 am – 08:12 am - Discussion

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08:13 am - 08:17 am

Intraoperative C Arm Radiation - Affecting Factors and Reduction by an Intervention Program

Elhanan Bar-On, MD; Daniel Weigl, MD; Tali Becker, MD; Kalman Katz, MD; Osnat Konen, MD

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08:18 am - 08:22 am

Quantitative CT Arthrography Predicts Glycosaminoglycan Content and Biomechanical Properties of Articular Cartilage

Prashant N. Bansal, MS; Neel S. Joshi, PhD; Vahid Entezari, MD; Mark W. Grinstaff, PhD; Brian D. Snyder, MD, PhD

08:23 am – 08:29 am - Discussion

NEUROMUSCULAR

President: Patricia Fuchs, MD

Moderator: Michael Aiona, MD

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08:30 am - 08:34 am

Surgical Management of Thumb Deformity in Children with Cerebral Palsy

Jon R. Davids, MD; Fred Ortmann, MD; Laura Peace, OTRL; Lisa Wagner, OTRL; Mary Ann Gidewell, OTRL

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08:35 am - 08:39 am

Iliopsoas Release in Ambulatory Children with Spastic Diplegia: Comparison of Release at the Pelvic Brim with Tenotomy at the Lesser Trochanter

Gadi Bialik, MD; Michael D. Aiona, MD; Tak Shin Lee, MS; Robin Dorociak, MS; Michael D. Sussman, MD

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08:40 am - 08:44 am

Impact of Musculoskeletal Co-Morbidities on the Health Related Quality of Life of Children with Severe Non-Ambulatory Cerebral Palsy

Unni G. Narayanan, MD, FRCSC, MSc; Shannon Weir BSc, MSc; Jennifer Smith, MD; Darcy Fehlings, MD, MSc, FRCPC

08:45 am – 08:54 am - Discussion

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08:55 am - 08:59 am

One and Three Year Follow Up of Children with Spastic Diplegia Comparing Functional Changes with Surgical and Non-Surgical Treatment

Philip E. Gates, MD; Norman Y. Otsuka, MD; James O. Sanders, MD; Jeanie McGee-Brown, BS, CCRC

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09:00 am - 09:04 am

Multilevel Surgery for children with Spastic Diplegia: A Randomized Controlled Trial
Pam Thomason, MSc; Jonathan Robin, MD; Richard Baker, PhD; Karen Dodd, PhD; Nicholas Taylor, PhD; Paulo Selber, MD; Rory Wolfe, PhD; H. Kerr Graham, MD, FRACS

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09:04 am - 09:08 am

Parents' Satisfaction after Single Event Multilevel Surgery in Ambulatory Children with Cerebral Palsy

Chin Youb Chung, MD; In Ho Choi, MD; Tae-Joon Cho, MD; Won Joon Yoo, MD; Sang Hyeong Lee, MD; Moon Seok Park, MD

09:09 am – 09:18 am - Discussion

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09:19 am - 09:23 am

Mid Term Follow-up on Kinematic Outcomes at the Knee after Single Event, Multilevel Surgery in Children with Spastic Diplegia

John T. Anderson, MD; Allison C. Scott, MD; Douglas A. Barnes, MD; Nancy Scarborough, PT; Elroy Sullivan, PhD

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09:24 am - 09:28 am

Predictors of Outcome of Rectus Transfer Surgery for Stiff Knee Gait in Cerebral Palsy
Robert M. Kay, MD; Susan Ann Rethlefsen, PT; Galen Kam, MD; Tishya A. L. Wren, PhD

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09:29 am - 09:33 am

Distal Rectus Transfer in Children With Cerebral Palsy: Does Improvement Persist Long Term?

Dinesh Thawrani, MD; Chris Church, MPT; Stephanie Marchesi, PhD; Anant Agarwalla, BS; Nancy Lennon, PT; Kirk W. Dabney, MD; Freeman Miller, MD

09:34 am – 09:43 am - Discussion

09:43 am – 09:53 am - Huene and St. Giles Award

09:53 am – 10:03 am - Presidential Transfer

10:03 am – 10:28 am – POSTER SESSION / BREAK

FOOT

Presider: Patrick Bosch, MD

Moderator: Lori Karol, MD

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10:28 am - 10:32 am

Prospective Comparison in the Treatment Of Idiopathic Talipes Equinovarus: Surgical Release versus Ponseti Management, A Two Year Minimum Follow-up

Matthew A. Halanski, MD; Jen-Chen Huang, MBCHB; Stewart J. Walsh, FRACS; Haemish A. Crawford, FRACS

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10:33 am - 10:37 am

Comparison of Brace Adherence in Ponseti Clubfoot Treatment: Early Results of Markel and Mitchell Braces

Susan T. Mahan, MD, MPH; Justin C. Bosley, AB; Samantha Anne Spencer, MD; Michael P. Glotzbecker, MD; Patricia L. Connell, MPH; James R. Kasser, MD

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10:38 am - 10:42 am

Correction of Arthrogyrotic Clubfoot with a Modified Ponseti Technique

Harold J.P. Van Bosse, MD; Salih Marangoz, MD; Debra A. Sala, MS, PT; Wallace B. Lehman, MD

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10:43 am - 10:47 am

Impact of Clubfoot Etiology on Treatment Outcomes

Christina A. Gurnett, MD, PhD; Stephanie Boehm, MD; Anne Connolly, MD; Tyler Reimschisel, MD; Matthew Dobbs, MD

10:48 am – 11:00 am - *Discussion*

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11:01 am - 11:05 am

Use of Botulinum Toxin A in the Treatment of Idiopathic Clubfoot: Mid-term Follow-up

Christine M. Alvarez, MD, FRCSC; Mary DeVera, MSc, PhD; Harpreet K. Chhina, MSc; Shu Ho, MBBS

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11:06 am - 11:10 am

Juvenile Hallux Valgus: Management by Hemiepiphyseodesis of the Great Toe Metatarsal

Jon R. Davids, MD; Daniel McBrayer, MD

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11:10 am - 11:14 am

Popliteal Sciatic-Nerve Block (PB) in Pediatric Foot Surgery

*Purushottam A. Gholve, MD; Heather Gotha, MD; Victor Zayes, MD; John P. Denneen, MSPT; Daniel W. Green, MD; Roger F. Widmann, MD; **David M. Scher, MD***

11:15 am – 11:24 am – Discussion

SPORTS

Presider: Patrick Bosch, MD

Moderator: Michael Busch, MD

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11:25 am - 11:29 am

Outcomes after Patellar Realignment Surgery: A Minimum 3-Year Follow-up Study

Scott J. Luhmann, MD; Sara K. Fuhrhop

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11:30 am - 11:34 am

Discoid Meniscus in Children: Limited Knee Extension and Meniscal Instability in the Posterior Segment

Won Joon Yoo, MD; In Ho Choi, MD; Chin Youb Chung, MD; Myung Chul Lee, MD; Tae-Joon Cho, MD; Moon Seok Park, MD; Dong Yeon Lee, MD

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11:35 am - 11:39 am

Discoid Lateral Meniscus: Does Age Impact Meniscal Integrity After Saucerization?

Ryan C. Chen, MD; Scott J. Luhmann, MD

11:40 am – 11:49 – Discussion

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11:50 am - 11:54 am

Volumetric Damage of the Femoral Physis During Double Bundle ACL Reconstruction.

Kevin G. Shea, MD; Nathan L. Grimm, BS; Jen Belzer, BS; Ron Pfeiffer, EdD; Kurt Nilsson, MD; Charles Mehlman, MD

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11:55 am - 11:59 am

An Anatomical Study of the Pediatric Intercondylar Notch for Transepiphyseal Femoral Tunnel Drilling in Anterior Cruciate Ligament Reconstruction

Raymond W. Liu, MD; Lutul D. Farrow, MD; Patrick J. Messerschmitt, MD; Allison Gilmore, MD; Donald B. Goodfellow, MD; Daniel R. Cooperman, MD

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12:00 pm - 12:04 pm

Epiphyseal to Epiphyseal ACL Reconstruction: MRI Evaluation of Anatomical Graft Placement

Eric J. Wall, MD; Vivek Sharma, MD; Tal Laor, MD

12:05 pm – 12:14 pm – Discussion

SPECIAL TOPICS

Presider: Patrick Bosch, MD

Moderator: Dennis Wenger, MD

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12:15 pm - 12:19 pm

Long Term Follow-up of Ethibloc Injection in Aneurysmal Bone Cysts

Harvey L. George, MRCS, MS; Yogesh Joshi, MRCS, MS; Neraj Garg, MCH, MS; Deepak Shivrathri, MRCS, MS; Collin Bruce, FRCS

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12:20 pm - 12:24 pm

Prognostic Factors in Simple Bone Cysts.

Sandra E. Donaldson, BA; Suzanne M. Yandow, MD; Kathleen A. Murray, MD; Julia Crim, MD; Lisa Marley, BA; Derek Stephens, MSc; James G. Wright, MD, MPH

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12:25 pm - 12:29 pm

Vitamin D Levels in Children with Musculoskeletal Pain During the Summer

Elizabeth A. Szalay, MD

12:30 pm – 12:39 pm – Discussion

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12:40 pm - 12:44 pm

The Role of Nurse Practitioners in the Busy Pediatric Orthopaedic Practice

Christine A. Ho, MD; Philip L. Wilson, MD

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12:45 pm - 12:49 pm

Pain Efficacy and Compartment Syndrome Monitoring with Regional Anesthesia in Fracture Fixation and Osteotomies in Children

Harish S. Hosalkar, MD, MBMS, FCPS, DNB; Harshad Gurnaney, MD; Giovanni Cuchhario, MD; Ganesh Arjunan, MD; Lawrence Wells, MD; Richard S. Davidson, MD

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12:50 pm - 12:54 pm

The Effect of Periosteal Resection on Tibial Growth Velocity Measured by Microtransducer Technology in Lambs

Jason M. Sansone, MD; Norman J. Wilsman, DVM, PhD; Ellen M. Leiferman, DVM;
Kenneth J. Noonan, MD

12:55 pm – 1:04 pm - Discussion

1:05 pm – 1:07 pm - Best Paper/Poster Award
Kenneth J. Noonan, MD

1:08 pm – 1:09 pm – Adjourn
B. Stephens Richards, MD