



**12. 04. 2007**

**8:00-8:30 OPENING REMARKS**

Prof. Shlomo Wientroub, EPOS President

Prof. Seok Hyun Lee, IFPOS President

Prof. Nando de Sanctis, Congress Chairman

**SESSION 1: UPDATE IN ORTHOPAEDIC ONCOLOGY**

*Chairman: Shlomo Wientroub, Israel*

*Moderator: Seok Hyun Lee, Korea*

**8:30-9:30**

Management of the malignant bone tumors of the spine

*Gerard Bollini, France*

Prosthetic reconstruction of malignant bone tumor of lower extremity

*Mario Mercuri, Italy*

New horizons in tumor endoprosthesis

*Georg Gosheger, Germany*

**SESSION 2: TUMORS OF THE MUSCULOSKELETAL SYSTEM**

*Chairman: Ernesto Ippolito, Italy*

*Moderator: Ruediger Krauspe, Germany*

**9:30-9:35**

1. Thomas Wirth, Micha Langendörfer, Peter Winkler (Germany)

MRI guided biopsy and treatment of osseous lesions in children

**9:36-9:41**

2. Olivier Lousteau, Jerome Sales de Gauzy, Christiane Baunin, Guillaume Moscovitch, François De Maupeou, Hervé Rubie, Eric Ouhayoun, Jean Railhac (France)

Whole body MR imaging in malignant bone tumor in children: Preliminary results.

**9:42-9:47**

3. Pavel Poner, Karel Urban, Karel Karpaš, Elen Urbanová (Czech Republic)

Scintigraphic evaluation of osteoblast activity after implantation of Bas-0 Bioactive Glass-Ceramics into long bone defects

**9:48-9:56**

*Discussion*



9:57-10:02

4. Ivan Krajbich, Kelly Alexander (United States)

Preservation of the native knee in patients with malignant bone tumors in the metaphyseal area of the distal femur and proximal tibia, using massive allografts.

10:03-10:08

5. Mihir Thacker, H. Thomas Temple, J. David Pitcher, Jr., Sean Scully (United States)

Complications of osteochondral tibial allografts in pediatric osteosarcoma reconstruction: Review of 12 cases

10:09-10:14

*Discussion*

10:15-10:20

6. Harvey L. George, Yogesh Joshi, Leroy James, Neraj Garg, Colin Bruce (United Kingdom)

Case series on lipoblastoma: A rare tumor in children

10:21-10:26

7. Melissa Sheiko, Kristie Bjornson, Kit Song, Ernest "Chappie" Conrad (United States)

Step activity assessment in limb salvage children

10:27-10:32

*Discussion*

10:33-10:38

8. Jenny Frances, Carol Morris, Zarko Nikolic, Edward Athanasian, Patrick Boland, Alexandre Arkader, John Healey (United States)

Perceived Quality of Life in Children with Primary Bone Sarcoma

10:39-10:44

9. Franck Chotel, R Grimer, Lee Jeys, A Abudu, R Tillman, S Carter (United Kingdom)

Non rhabdomyosarcoma soft tissue sarcomas in children management and outcome

10:45-11:50

*Discussion*



10:51-10:56

10. Kar Teoh, Adam Watts, Robin Reid, Daniel Porter (United Kingdom)

Simple bone cyst of the proximal humerus - Factors predictive of recurrence and healing

10:57-11:00

*Discussion*

11:00-11:30 Coffee break

### **SESSION 3: DEVELOPMENTAL DYSPLASIA OF THE HIP**

*Chairman: Perry Schoenecker, USA*

*Moderator: Franz Grill, Austria*

11:30-11:35

11. Simon Thomas, John Wedge, Robert Salter (Canada)

Outcome at 45 years of open reduction and innominate osteotomy for late presenting developmental hip dislocation.

11:36-11:41

12. Hasan H Muratli, Tugrul Gunal, Halil Yalcin Yuksel, Ertugrul Aksahin, Levent Celebi, Serap Gulcek, Ali Bicimoglu (Turkey)

Does Salter Innominate Osteotomy with transiliac lengthening effect triradiate cartilage or cause posterior coverage insufficiency?

11:42-11:47

13. Thomas Pressel, Stefan Max, Henning Windhagen, Christof Hurschler (Germany)

Changes of acetabular orientation and hip muscle lengths by Salter innominate osteotomy

11:48-11:56

*Discussion*

11:57-12:02

14. Maurizio De Pellegrini, Désirée Moharamzadeh (Italy)

Is still the labrum an obstacle to reduction of congenital dislocation of the hip?



12:03-12:08

15. Eimear Conroy, James Harty, Marcus Timlin, Frank McManus  
(Ireland)

Axial STIR and axial proton density MRI images, a fast and accurate method of confirming femoral head reduction in developmental hip dysplasia.

12:09-12:14

*Discussion*

12:15-12:20

16. Terje Terjesen(Norway)

Long-term results after closed reduction of late-detected hip dislocation

12:21-12:26

17. Edilson Forlin, Dulce Grimm, Luiz Munhoz Cunha, Luis Munhoz Rocha, Michelle Zanferari (Brazil)

The Weinstein antero-medial approach for the treatment of DDH. Results after a minimal follow-up of 5 years.

12:27-12:32

18. Rainer Biedermann, Leo Donnan, Andreas Gabriel, Roland Wachter, Martin Krismer, Hannes Behensky (Austria)

Complications, radiological outcome and patient satisfaction after periacetabular pelvic osteotomy

12:33-12:41

*Discussion*

12:42-12:47

19. Hajime Sugiyama, Yoshiki Hamada, Tadahiro Horiuchi, Kenyuu Kimori, Takatoshi Ide (Japan)

Application of arthroscopic surgery for Developmental dysplasia of the hip

12:48-12:53

20. Yasuharu Nakashima, Masanori Fujii, Yasuo Noguchi, Seiya Jingushi, Takuaki Yamamoto, Taro Mawatari, Eiji Suenaga, Toshio Fujii, Yukihide Iwamoto (Japan)

Symptomatic developmental dysplasia of the hip (DDH) -arthroscopic findings.

12:54-13:00

*Discussion*



## EPOS/IFPOS COMBINED MEETING WORKSHOPS

April, 12th 2007

**BIOMET**

**MULTI-AXIAL CORRECTION SYSTEM: THE "ITALIAN  
EXPERIENCE WITH MAC XS" MAC SYSTEM OVERVIEW  
WITH A BLOUNTS DEFORMITY CORRECTION WORKSHOP**

Prof. **Giovanni Peretti**, Professore Ordinario Università di  
Milano - Istituto Ortopedico G. Pini

**James McCarthy**, MD, Assistant Chief of Staff, Shriners  
Hospital for Children, Associate Professor, Temple University  
School of Medicine

**13.04.2007**

### SESSION 4: WHAT IS NEW IN MUSCULOSKELETAL INFECTIONS?

*Chairman: Nando de Sanctis, Italy*

*Moderator: Peter-Klaus Guenther, Germany*

8:00-9:00

Anti-infective treatment of musculoskeletal infections in children: an  
update

*Riccardo Utili, Italy*

Impending danger - Community-acquired methicillin-resistant  
Staphylococcus aureus (MRSA): A new variation of an old problem

*Robert Hensinger, USA*

Chronic osteomyelitis

*Yehia Tarraf, Egypt*

### SESSION 5: INFECTION

*Chairman: Dalia Sepulveda, Chile*

*Moderator: Guy Fabry, Belgium*



**9:00-9:05**

**21. Bruno Dohin, Jerome Etienne, Daniel Floret, Remi Kohler (France)**

**Pediatric bone and joint infections due to Panton Valentine leukocidin-positive Staphylococcus aureus. Setting the surgical treatment.**

**9:06-9:11**

**22. Micha Langendoerfer, Toni Hospach, Guenther Dannecker, Peter Winkler, Thomas Wirth (Germany)**

**Chronic recurrent multifocal osteomyelitis: Do we need a new diagnostic algorithm?**

**9:12-9:17**

**23. Karin Schara, Nataša Berden, Arabella Leet (Slovenia)  
Neonatal skeletal infection caused by group B streptococci agalacticae**

**9:18-9:26**

*Discussion*

**9:27-9:32**

**24. P Schaufele, C Cerna, A Ibieta, D Pineda(Chile)**

**Pyogenic sacroiliitis in the infance: 6 years experience.**

**9:33-9:38**

**25. George Tagaris, George Christodoulou, George Sdougkos, George Protopapadakis, Sotirios Koukos (Greece)**

**Puncture wounds in children's foot complicated with osteomyelitis**

**9:39-9:44**

**26. Gheorghe Burnei, Dana Vasilescu, Costel Vlad, Dan Cosma, Ileana Georgescu, Stefan Gavrilu, Daniela Dan (Romania)**

**One-step treatment of chronic bone infection by continuous intraosseous lavage-drainage system**

**9:45-9:50**

**27. Cosimo Gigante, Giorgia Martini, Cristian Berton, Cristina Vallongo, Sisto Turra, Francesco Zulian (Italy)**

**Septic Arthritis in Children: a One centre-based experience of 40 years**

**9:50-10:01**

*Discussion*



10:02-10:07

28. Klaus Parsch, Jana Schiering (Germany)

Treatment of sequelae of infantile septic arthritis of the hip.

10:08-10:13

29. Magdy El-Batouty, Wael El-Adl (Egypt)

Harmon reconstruction for severe sequelae of infantile septic arthritis of the hip

10:14-10:19

*Discussion*

10:20-10:25

30. Federico Fernandez-Palazzi, Manuel Guzman (Venezuela)

The graft has fallen to the floor!!!

10:25-10:27

*Discussion*

10:30-11:00 Coffee break

## **SESSION 6: FOOT & ANKLE**

*Chairman: Henri Bensahel, France*

*Moderator: Ken N. Kuo, Taiwan*

11:00-11:05

31. Ahmet Dogan, Yunus Akman, Ismail Mumcuoglu, Gazi Zorer (Turkey)

Comparison of two different surgical techniques in severe flexible pes planovalgus: calcaneal lengthening and Dennyson-Fulford subtalar extra-articular arthrodesis.

11:06-11:11

32. Vincent Mosca, Wesley Bevan (United States)

Calcaneal lengthening osteotomy for talocalcaneal tarsal coalition

11:12-11:17

33. Hazem El Tayeby, Hazem Mossad El Tayeby (Egypt)

The Severe Flexible Flatfoot : A combined reconstructive procedure with rerouting of the tibialis anterior tendon



11:18-11:23

34. Sandor Roth(Croatia)

Minimal invasive 'Calcaneo Stop' method in cases of pes planovalgus in childhood with "Bone Star®" implant

11:24-12:35

*Discussion*

11:36-12:41

35. Joseph Janicki, Unni Narayanan, Anvesh Roy, Barbara Harvey, James Wright (Canada)

A Comparison of physician and physiotherapist run clubfoot clinics using the Ponseti method

11:42-12:47

36. Anna Maria Ey Batlle, José Illobre Yebra, Laia Sabaté Cequier, Marta Vallverdú Pujol, Diego Gutiérrez de la Iglesia (Spain)

Aplication of Ponseti method for relapses after posteromedial release in clubfoot

11:48-12:53

*Discussion*

11:54-12:59

37. Joshua E Hyman, Hiroko Matsumoto, Samuel Dellenbaugh, Jose Morcuende, Michael Vitale (United States)

Comparison of patient-based outcomes in clubfoot treatment: a long term follow-up study

12:00-12:05

38. Harjanneke Van Gelder, Jan Visser, Patrick Maathuis (Netherlands)

Long-term results of posteromedial release in congenital clubfoot treatment

12:06-12:11

39. Georgios Koureas, Philippe Wicart, Alice Fassier, Raphaël Seringe (France)

Iatrogenic rocker bottom deformity in congenital idiopathic clubfoot. a report of 36 cases with 15 years follow-up.



**12:12-12:20**

*Discussion*

**12:21-12:26**

**40. Leroy James, Harvey George, Deepak Shivarathre, Alfie Bass, Colin Bruce (United Kingdom)**

**Scarf Osteotomy in Adolescent Hallux Valgus**

**12:27-12:30**

*Discussion*

**VARIA**

**12:31-12:36**

**41. Arabella Leet, Tamara Kazarian, Edward McCarthy, Jain Alka, Jay Shapiro, Neal Fedarko (United States)**

**The paradoxical effect of alendronate on osteoblasts in osteogenesis imperfecta**

**12:37-12:42**

**42. – *Withdraw* -**

**- *Withdraw* -**

**12:43-12:48**

**43. Eduardo D Segal, Juan Couto, Eduardo Samara (Argentina)**

**Significance of fever post multilevel surgery in neuro-orthopedic patients**

**12:49-12:55**

*Discussion*

**13:00-14:00 Lunch**

**SESSION 7: TRAUMA**

***Chairman: Kaye Wilkins, USA***

***Moderator: Tomas Epeldegui, Spain***

**14:30-14:35**

**44. Tahir Khan, Alwyn Abraham (United Kingdom)**

**Interventions for treating wrist fractures in children a Cochrane Systematic Review**



**14:36-14:41**

**45. Sreejib Das, Ujjwal Kanti, Rachit Shah, Abhijit Ranjan (United Kingdom)**

**Cast index following closed manipulation of distal forearm fractures in children**

**14:42-14:47**

**46. Charles Mehlman, Mike Greiwe, Eric Wall, Alvin H Craawford(United States)**

**Stiffness in displaced pediatric both-bone forearm fractures**

**12:48-12:56**

***Discussion***

**14:57-15:02**

**47. Bulent Daglar, Onder Delialioglu, Ertugrul Gungor, Bulent Tasbas, Kenan Bayrakci, Ugur Gunel (Turkey)**

**Associated ipsilateral elbow fractures in pediatric elbow dislocations**

**15:03-15:08**

**48. Kaye Wilkins, Erik V. Nott , K. Sri Ram(United States)**

**Avascular necrosis of the trochlea of the humerus revisited long term follow-up**

**15:09-15:14**

**49. Arjandas Mahadev, B Lim, E Lee(Singapore)**

**Fracture neck of radius in children factors affecting outcomes and complications.**

**15:15-15:23**

***Discussion***

**15:24-15:29**

**50. Brian Grottkau(United States), Gleeson Rebello(India), Wouter Willems (Netherlands)**

**Do proximal femoral fractures result from high energy trauma? Analysis of causes and severity of injury in 1299 cases of pediatric proximal femoral fractures**



**15:30-15:35**

**51. Lawrence Wells, Jared Friedman, Alexandre Arkader, William Warner (United States)**

**Complete distal femoral metaphyseal fractures: A harbinger of child abuse**

**15:36-15:41**

**52. Sauli Palmu, Pentti Kallio, Aarno Nietosvaara (Finland)**

**Acute patellar dislocation in children and adolescents**

**15:42-15:50**

*Discussion*

**15:51-15:56**

**53. Anthony Stans, Rudolph Klassen, William Shaughnessy, Hamlet Peterson (United States)**

**Excision of partial physeal arrest followed to skeletal maturity; A report of 100 lower extremity cases**

**15:57-16:00**

*Discussion*

**16:00-16:30 Coffee break**

## **SESSION 8: LEGG-CALVE-PERTHES DISEASE**

*Chairman: Deborah Eastwood, UK*

*Moderator: Yucel Tumer, Turkey*

**16:30-16:35**

**54. John Herring, Scott Rosenfeld (United States)**

**Legg Calve Perthes disease with onset before age six; A retrospective review**

**16:35-16:41**

**55. Perry Schoenecker, Margaret Rich, MD (United States)**

**Comprehensive range of motion treatment of Perthes disease**

**16:42-16:47**

*Discussion*



**16:48-16:53**

**56. Ludwig Meiss, Sintje Singerhoff, Christian Habermann  
(Germany)**

**MR-based volumetric analysis of the femoral head and the  
acetabulum in Perthes disease**

**16:54-16:59**

**57. Andreas Schreiner(Switzerland)**

**Legg-Calvé-Perthes-disease. The role of the acetabulum**

**17:00-17:05**

**58. In Ho Choi, Won Joon Yoo, Chin Youb Chung, Tae Joon Cho, Ki  
Seok Lee, Dong Yeon Lee(Republic of Korea)**

**Hinge abduction in Perthes disease: Pathomechanism of out-toeing  
and in-toeing**

**17:06-17:14**

***Discussion***

**17:15-17:20**

**59. Bettina Westhoff, Andrea Petermann, Marcus Jäger, Rüdiger  
Krauspe (Germany)**

**Gait characteristics in Perthes disease during the florid stage**

**17:21-17:26**

**60. Sun Young Joo, Hui Wan Park, Hyun Woo Kim(Republic of Korea)**

**Gait changes after greater trochanter transfer in patients with  
unilateral Legg-Perthes Disease**

**17:27-17:32**

***Discussion***

**17:33-17:38**

**61. Robert Freeman, Yasser Kandil, Andrew Wainwright, Tim  
Theologis, Michael Benson (United Kingdom)**

**The outcome of patients with hinge abduction in severe Perthes'  
disease treated by shelf acetabuloplasty**



17:38-17:43

62. Eitan N Segev, Michael Fishkin, Moshe Yaniv, Yoram Hemo, Eli Ezra, Shlomo Wientroub (Israel)

Treatment of severe late onset Perthes disease with soft tissue release and articulated hip distraction

17:44-17:49

63. Makoto Kamegaya, Takashi Saisu, Junnichi Nakamura, Hideshige Moriya, Tomonori Kenmoku, Chikato Mannoji (Japan)

Exact indications of femoral varus osteotomies for severely involved Perthes disease

17:50-17:58

*Discussion*

## EPOS/IFPOS COMBINED MEETING WORKSHOPS

April 13th, 2007

ORTHOFIX

**GUIDED GROWTH: 1933 – PRESENT**

Dr. **Peter M. Stevens**

Professor of Orthopaedics, University of Utah, USA



**14. 04. 2007**

**8:00-10:00 GENERAL ASSEMBLY**

**SESSION 9: NEW HORIZONS IN SPINE SURGERY**

*Chairman: Carlo Logroscino, Italy*

*Moderator: Maurice Duhaime, Canada*

**10:00-11:00**

**VEPTR in congenital and non-congenital scoliosis**

*Fritz Hefti, Switzerland*

**Endoscopic surgery for idiopathic scoliosis**

*George D. Picetti 3rd, USA*

**A New Connection to the Spine: The Universal Clamp**

*Keyvan Mazda, France*

**11:00-11:30 Coffee break**

**SESSION 10a: SPINE I**

*Chairman: Muharrem Yazici, Turkey*

*Moderator: Shoichi Kokubun, Japan*

**11:30-11:35**

**64. Guney Yilmaz, Murat Pekmezci, Kenan Daglioglu, Ahmet Alanay, Emre Acaroglu, F cumhur Oner, Mahir Gulsen, Muharrem Yazici (Turkey)**

**The effect of early anterior spinal fusion on spinal canal size in an immature porcine model**

**11:36-11:41**

**65. Federico Canavese, Alain Dimeglio, Fabiano Cavalli, Francois Bonnel, Donatella Volpatti, J-P Daures, Marco Stebel, Eugenio Pittioni, Bartolomeo Canavese (Italy&France)**

**Posterior or dorsal arthrodesis of the thoracic spine in pre pubertal rabbits and effects on thoracic cavity growth**

**11:42-11:47**

**66. David Aronsson, Ian Stokes, Katherine Clark, Maria Roemhildt (United States)**

**Intervertebral Disc Adaptation to Wedging Deformation in Scoliosis**



**11:48-11:56**

*Discussion*

**11:57-12:02**

**67. Kit Song, Greg Redding, Steven Inscore, Eric Effman, Robert Campbell (United States)**

**Lung function asymmetry in children with congenital and infantile scoliosis**

**12:03-12:08**

**68. Kiril Mladenov, Lori Karol, Charles Johnston (United States)**

**The effect of early thoracic fusion on pulmonary function in non-neuromuscular scoliosis**

**12:09-12:14**

**69. Charles Johnston, Salah Fallatah (Canada)**

**Correlation of plain radiographic measurements and CT lung volumes in early onset scoliosis**

**12:15-12:20**

**70. Michael Vitale, Hiroko Matsumoto, Michael Bye, Joshua Hyman, Jaime Gomez, Whitney Booker, David Roye (United States)**

**A retrospective cohort study of pulmonary function, radiographic measures and quality of life in children with congenital scoliosis: an evaluation of patient outcomes after traditional spine surgery.**

**12:21-12:32**

*Discussion*

**12:33-12:38**

**71. Monica Ursei, Jerome Sales de Gauzy, Aziz Abid, Jorge Knorr, Jean Cahuzac (France)**

**Surgical treatment of high-grade spondylolisthesis in children and adolescents- results of one-stage posterior surgical reduction**

**12:39-12:44**

**72. Nanjundappa Harshavardhana, Mihir Bapat, Vinod Laheri, Satyajit Marawar, Prashanth Deshmane, Harish Patni, Siddarth Badve (India)**

**Single stage posterior vertebral resection osteotomy for correction of paediatric spinal deformities**



**12:45-12:50**

**73. Yan Lefèvre, Franck Launay, Elke Viehweger, Jean luc Jouve, Gérard Bollini (France)**

**Spondylo-costal dysostosis treated by costal distraction without thoracostomy.**

**12:51-13:00**

*Discussion*

**13:00-14:30 Lunch**

**SESSION 11a: SPINE II**

*Chairman: Carlo Ruosi, Italy*

*Moderator: Toshio Fujii, Japan*

**14:30-14:35**

**74. Stella Gilberto, Marco Carbone, Mariabeatrice Michelis (Italy)**

**Surgical treatment of scoliosis associated with myelomeningocele**

**14:36-14:41**

**75. Francesco Turturro, Antonello Montanaro, Luca Labianca, Marco Spoletini, Fortunato Mangiola, Federico Sciarra, Sonia Messina, Andrea Ferretti (Italy)**

**The surgical treatment of scoliosis in Duchenne Muscular Dystrophy**

**14:42-14:47**

*Discussion*

**14:48-14:53**

**76. William MacKenzie, Mihir Thacker, Aaron Littleton (United States)**

**Upper cervical fusion in children with Morquio's disease: long-term results**

**14:54-14:59**

**77. David Feldman, Eric Henderson, Mark Schweitzer, Felicia Axelrod (United States)**

**Limited Atlantooccipital and Cervical Range of Motion in Patients with Familial Dysautonomia**

**15:00-15:05**

*Discussion*



**15:06-15:11**

**78. George Thompson, Ivan Florentino-Pineda, Connie Poe-Kochert, Douglas A Armstrong (United States)**

**The Role of Amicar in Same-Day Anterior and Posterior Spinal Fusion in Idiopathic Scoliosis**

**15:12-15:17**

**79. Martin Repko, Drahomír Horký, Martin Krbec, Richard Chaloupka, Irena Lauschová (Czech Republic)**

**What is the role of the autonomic nerve system in etiology of idiopathic scoliosis? A prospective electronmicroscopic and morphometric study.**

**15:18-15:23**

**80. Battugs Borkhuu, Aaron Littleton, Mohan Belthur, Dan Mason, Peter Gabos, Suken Shah (United States)**

**Pedicle Screw Versus Hook Versus Hybrid Instrumentation in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis - a Minimum 2 Year Follow Up Comparative Study**

**15:24-15:32**

*Discussion*

**15:33-15:38**

**81. John Flynn, Norman Ramirez-LLuch, Robert Campbell, John Smith, Randal Betz (United States)**

**Use of the Vertical Expandable Prosthetic Rib for management of spinal deformity in non-ambulator spina bifida patients**

**15:39-15:44**

**82. Aina Danielsson, Ralph Hasserius, Acke Ohlin, Alf Nachemson (Sweden)**

**Curve progression at least ten years after maturity in patients with moderate adolescent idiopathic scoliosis a prospective comparison of observation or brace treatment**

**15:45-15:50**

**83. Dror Ovadia, Michael Fishkin, Orna Filo, Adi Shechtman, Shlomo Wientroub (Israel)**

**SpineScan-aided school screening significantly improves positive predictive value in detecting idiopathic scoliosis**



**15:51-16:00**

*Discussion*

**16:00-16:30** Coffee break

**SESSION 12a: LIMB RECONSTRUCTION**

*Chairman: Mario Lampropulos, Argentina*

*Moderator: Gamal Hosny, Egypt*

**16:30-16:35**

**84. Gyorgy Szoke , Sandor Kiss, Zita Puskar, Tamas Shisha,  
Karoly Pap (Hungary)**

**Morphological changes in dorsal root ganglia and spinal cord after limb-lengthening**

**16:35-16:41**

**85. Frederic Sailhan, Franck Chotel, Roger Parrot, Eric Viguiet,  
Aygulph Chousta, Jerome Berard (France)**

**Unexpected absence of effect of rh-BMP-7 (OP-1) on distraction osteogenesis**

**16:42-16:47**

**86. Hyun Dae Shin, Kwang-Jin Rhee, Ho-Seop Song (, Republic of Korea)**

**Effect of local growth factors on muscle regeneration in distraction**

**16:48-16:56**

*Discussion*

**16:57-17:02**

**87. Giovanni Peretti, Antonio Memeo, Fabio Verdoni, Omar De Bartolomeo, Walter Albisetti (Italy)**

**Staged lengthening in preventing deformities and correcting achondroplastic children. 25 years experience**

**17:03-17:08**

**88. German Garcia-Llaver, Eduardo Stefano, Gabriela Martinez, Nestor Vallejos-Meana (Argentina)**

**Bone lengthening in symmetric pathological short stature: Long term follow up.**



17:09-17:14

89. Hae-Ryong Song, Seok-Hyun Lee, Jae-Hyuk Yang, , Sameer Desai, Gautam Shetty , Harry Matta (Korea, Republic of)

Development of Genu Varum in Achondroplasia: Its relation to fibular overgrowth

17:15-17:20

90. Dalia Sepulveda, Juan Carlos Hernández Bueno, Sepúlveda Matías (Chile)

Massive bone lengthening in short stature patients

17:21-17:32

*Discussion*

17:33-17:38

91. Hani El Mowafi, Barakat El Alfy, Mohamed Refai (Egypt)

Functional outcome after 8 years follow up following the treatment of congenital pseudarthrosis of the tibia by Ilizarov technique

17:39-17:44

92. Dror Paley, Said Saghieh, Baek Song, M Young, John Herzenberg (United States)

Lengthening Reconstruction Surgery for Treatment of Fibular Hemimelia

17:45-17:50

93. Alfred D Grant(United States)

The metaphyseal arc system to correct epiphyseal, physeal and metaphyseal deformities: 5 year experience.

17:51-18:00

*Discussion*

## **SESSION 10B: HIP/LOWER EXTREMITY I**

*Chairman: Carlo Milani, Brazil*

*Moderator: Michael J. Goldberg, USA*

11:30-11:35

94. Melinda Witbreuk, P Besselaar, Deborah Eastwood (Netherlands & United Kingdom)

Current practice acute/unstable SUFE in the United Kingdom and The Netherlands .



**11:36-11:41**

**95. Gilberto Waisberg, Claudio Santili, Miguel Akkari, Susana Braga, Marcelo Almeida (Brazil)**

**Analysis of the hip at risk in the slipped capital femoral epiphysis**

**11:42-11:47**

**96. Toshio Kitano, Keisuke Nakagawa, Yuuki Imai, Kosuke Sasaki, Takaaki Kuroda, Mitsuaki Morita, Kunio Takaoka (Japan)**

**New Trans-trochanteric corrective osteotomy for SCFE based on 3DCT**

**11:48-11:53**

**97. Aamer Nisar, Amir Salama, A G Davies (United Kingdom)**

**Avascular necrosis in acute and acute-on-chronic slipped capital femoral epiphysis.**

**11:54-12:05**

***Discussion***

**12:06-12:11**

**98. Renata Suda, Martin Pospischill, Christof Radler, Karl Knahr, Franz Grill (Austria)**

**Preliminary results of cementless total hip arthroplasty in adolescents**

**12:12-12:17**

**99. Andreas Roposch, John Wedge (United Kingdom & Canada)**

**Patient-reported outcomes ten years after hip arthrodesis**

**12:18-12:23**

**100. Roger Jawish, Jacques Ghorayeb, Rami Khalife, Antoine Kahwaji (Lebanon)**

**Quadruple and periacetabular pelvic osteotomy using single approach. Technique and results in hip dysplasia and Perthes disease.**

**12:24-12:32**

***Discussion***

**12:33-12:38**

**101. Rajan Maheshwari, Sanjeev Madan (United Kingdom)**

**Pelvic osteotomy techniques and comparative effects on biomechanics of the hip**



**12:39-12:44**

**102. Ismat Ghanem, Jacques Ghorayeb, Rami Khalife, Antoine Kahwaji (Lebanon)**

**Minimally invasive, iliac crest-sparing approach (ICSA) for pelvic osteotomies in children.**

**12:45-12:47**

*Discussion*

**12:48-12:53**

**103. Dennis Roy(United States)**

**The spectrum of intra-articular findings of the symptomatic hip with Multiple epiphyseal displasia/Spondylo epiphyseal displasia**

**12:54-13:00**

*Discussion*

**13:00-14:30 Lunch**

## **SESSION 11B: HIP/LOWER EXTREMITY II**

*Chairman: Baxter Willis, Canada*

*Moderator: Andre Kaelin, Switzerland*

**14:30-14:35**

**104. John Herzenberg, Rolf Burghardt, Dror Paley, Shawn Standard (United States)**

**Eight-Plate for temporary hemiepiphysiodesis to correct angular deformities**

**14:36-14:41**

**105. Tae-Joon Cho, In Ho Choi, Chin Youb Chung, Won Joon Yoo, Kee Jung Bae (,Republic of Korea)**

**Correction of angular deformity around the knee joint using hemiepiphysial stapling in children with multiple epiphysial dysplasia**

**14:42-14:47**

**106. Mihir Thacker, Mohan Belthur, Aaron Littleton, Freeman Miller, William Mackenzie (United States)**

**Lower extremity deformities in Morquio syndrome: natural history and results of surgical correction**



**14:48-14:56**

*Discussion*

**14:57-15:02**

**107. Hyun Woo Kim, Sun Young Joo, Hui Wan Park (Republic of Korea)**

**The "Four-in-One" procedure for habitual patellar dislocation in children with aplasia of the femoral trochlea and generalized ligamentous laxity**

**15:03-15:08**

**108. Nikolay Rumyantsev (Russian Federation)**

**Immediate treatment of congenital knee dislocation in neonates: Personal experience in 32 cases**

**15:09-15:14**

*Discussion*

**15:15-15:20**

**109. Christof Radler, Andreas Kranzl, Hans Manner, Michaela Hoeglinger, Rudolf Ganger, Franz Grill (Austria)**

**Correlation of gait analysis with computed tomography in rotational gait abnormality**

**15:21-15:26**

**110. Samuel Jacopin, Elke Viehweger, Michel Jacquemier, Vincent Pomeroy, Sandrine Scorsone-Pagny, Franck Launay, Jean-Luc Jouve, Gérard Bollini (France)**

**Dynamic femoral anteversion in an abled-body paediatric population.**

**15:27-15:32**

*Discussion*

**15:33-15:38**

**111. Pierre Journeau, Laurence Mainard, Damien Mandry, Thierry Haumont, Pierre Lascombes, Michel Claudon (France)**

**3D Time-resolved Magnetic Resonance Angiography of the abnormal limbs in children**

**15:39-15:44**

**112. Tae-Joon Cho, Joong Bae Seo, Dong Yeon Lee, Won Joon Yoo, Chin Youb Chung, Jin A Kim, In Ho Choi (Republic of Korea)**

**Fibrous hamartoma at atrophic congenital pseudoarthrosis of the tibia is not osteogenic but osteoclastogenic**



**15:45-15:50**

*Discussion*

**15:51-15:56**

**113. Belangero William Dias(Brasil)**

The performance of an extendible intramedullary nail anchored by hooks (HIMEX) in osteogenesis imperfecta.

**15:57-16:00**

*Discussion*

**16:00-16:30 Coffee break**

## **SESSION 12B: CP**

*Chairman: Patricia Fucs, Brazil*

*Moderator: Fabrizio Cigala, Italy*

**16:30-16:35**

**114. Unni Narayanan Shannon Weir, Alan Morris, Sue Redekop  
(Canada)**

Rates of utilization of gait analysis for surgical decision making for ambulatory cerebral palsy in North America

**16:36-16:41**

**115. Jacques Riad, Freeman Miller (United States)**

Power generation in children with spastic hemiplegic cerebral palsy

**16:42-16:47**

*Discussion*

**16:48-16:53**

**116. Chin Youb Chung, In Ho Choi, Tae-Joon Cho, Won Joon Yoo,  
Moon Seok Park (Republic of Korea)**

Morphometric changes of the acetabulum after Dega osteotomy in cerebral palsy.

**16:54-16:59**

**117. Fergal Monsell, Mohammad Barakat, Tom While, Martin  
Gargan, Jane Pyman (United Kingdom)**

Ten-year follow-up of bilateral hip reconstruction in severe whole body cerebral palsy.



**17:00-17:05**

**118. Andreas Knaus, Terje Terjesen (Norway)**

**Proximal femoral resection arthroplasty for patients with Cerebral Palsy and dislocated hips**

**17:06-17:14**

*Discussion*

**17:15-17:20**

**119. Reinald Brunner (Switzerland), Carlo Frigo (Italy), Thomas Dreher (Germany)**

**The triceps surae muscle flexes and internally rotates the hip under load**

**17:21-17:26**

**120. Konstantinos Malizos, Nikolaos Rigopoulos, Athanasios Liantsis (Greece)**

**The functional outcome of soft tissue procedures for the treatment of spastic pronation in children and adolescents.**

**17:27-17:32**

*Discussion*

**17:33-17:35**

**121. Gela Bajelidze, Mohan Belthur, Freeman Miller, Kirk Dabney (United States)**

**Utility of bone scan in non-communicative children with pain**

**17:36-17:41**

**122. Hakan Senaran, Suken Shah, Kirk Dabney, Joseph Glutting, Freeman Miller (United States)**

**Scoliosis in Quadriplegic Cerebral Palsy: Risk factors for progression**

**17:42-17:47**

**123. Tim Theologis, Julie Stebbins, Andrew Wainwright, Nicky Thompson (United Kingdom)**

**Femoral derotation osteotomy as part of single-stage multi-level surgery in diplegic cerebral palsy children using Intramedullary Stable Elastic Nail fixation (ISEN)**

**17:48-17:54**

*Discussion*



## ADJOURN

April 14th, 2007

### SPINEVISION

#### **HOW TO DEAL WITH COMPLEX SPINAL DEFORMITIES**

How to manage complex spinal deformities with vertebral resections

Dr **Stephen Lewis** (Canada)

How to manage complex spinal deformities without vertebral resections

Dr **Reinhard Zeller** (Canada)

How to achieve pelvic fixation in complex spinal deformities

Dr **Dror Ovaia** (Israel)

How to manage complex spinal deformities with endoscopic surgery

Dr **Jerry Kieffer** (Luxemburg)