

EPOS 2009, Lisbon
1-4 April, 2009
 Scientific Program

April 2, Thursday

08.00-08.10 ***Opening ceremony***

Andre Kaelin, President of EPOS
Manuel Cassiano Neves, Local host

08.10-10.00 ***Session 1. Trauma and Sports injuries***

Chairman: Andre Kaelin, Switzerland
Moderator: Manuel Cassiano Neves, Portugal

08.10-08.20

1. Prevention of forearm refractures with removable splint
Javier Alonso, Jorge Ruiz, Tomás Epeldegui (Spain)

08.20-08.30

2. Removable splinting vs. casting for torus wrist fractures: A prospective randomized trial and cost analysis
Mihai Vioreanu, Conor Hurson, Philip Brady, Chukwudi Chukunyerenwa, Noelle Cassidy, Paul Connolly, Michael Stephens, Damian McCormack(Ireland)

08.30-08.40

3. Eleven years experience with intramedullary nailing of Monteggia fractures in children
Marc N Schlecht, Franzisko Fernandez, Oliver Eberhardt, Thomas Wirth(Germany)

08.40-08.50

4. Complications of forearm fractures in children after conservative and surgical treatment: Prospective study of 320 patients
Pierre Lascombes, Thierry Haumont, Antoine Hamel, Pierre Mary, Philippe Gicquel, Jerome Sales De Gauzy, Pierre Journeau (France)

08.50-09.00

5. Systematic triage and quality of non-elective surgery for supracondylar humeral fractures in children
Paiivi M Salminen, Mia Napankangas, Pentti Kallio (Finland)

09.00-09.10

6. Pulseless and puzzling, vascular injuries in supracondylar humeral fractures in children: A meta-analysis of observational studies and results of a POSNA membership survey**
Lydia White, Charles Mehlman, Alvin Crawford (United States)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

09.10-09.20

7. Quantitative MRI assessment of physal bars in a rabbit radiofrequency ablation model*
Roger F Widmann, Mathew Koff, Leroy Chong, Purushottam Gholve, Lilly Ying, Hollis Potter(United States)

09.20-09.30

8. Arthrofibrosis after surgical treatment of tibial eminence fractures in children and adolescents
Jose Herrera-Soto, Mininder Kocher, Theodore Ganley, Kelly Vander Have, Charles Price (United States)

09.30-09.40

9. Anterior cruciate ligament intra-articular reconstruction in teenagers: Review at two years follow up of a growth plate sparing technique
Christian Bonnard, Joseph Fournier, Benoit De Courtivro , Francois Bergerault, Henri Robert, Marc Planchenault (France)

09.40-09.50

10. Rupture of the anterior cruciate ligament in children: Delayed reconstruction to skeletal maturity or not? A comparative two-centers study
Jerome Berard, Franck Chotel, Julien Henry, Marc-Mourad Chaker, Julien Chouteau, Bernard Moyen (France)

09.50-10.00

11. ACL injuries in the pediatric population: A report of our center's experience
Jennifer J Winell, Jennifer Goebel, Kathy Abel, Theodore Ganley, Lawrence Wells (United States)

10.00-10.30 ***Coffee break***

10.30-11.00 ***General assembly (Part 1)***

11.00-12.30 ***Session 2. CP and Neuromuscular disorders***

Chairman: Tomas Epeldegui (Spain)
Moderator: Reinald Brunner(Switzerland)

11.00-11.10

12. Development of spasticity with age in a total population of children with cerebral palsy**
Gunnar Hägglund, Henrik P Lauge, Philippe Wagner (Sweden)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

11.10-11.20

13. Impact on personal time in parents of children with neuromuscular disease
David P Roye, Michael Vitale, Hiroko Matsumoto, Debra Clayton-Krasinski, Jaime Gomez, Joshua Hyman (United States)

11.20-11.30

14. Impact of musculoskeletal co-morbidities on the health related quality of life of children with severe non-ambulatory cerebral palsy
Unni G Narayanan, Shannon Weir, Darcy Fehlings, Jennifer Smith (Canada)

11.30-11.40

15. Preoperative Botulinum toxin to avoid poor surgical results of muscle lengthening in patients with cerebral palsy
Erich Rutz, Eva Hofmann, Reinald Brunner (Switzerland)

11.40-11.50

16. A new approach based on the combination of casting and Botulinum toxin type A: Comparative kinematic study for different conservative spastic equinus gait treatment protocols.
Ignacio Martinez-Caballero, Tomas Epeldegui, Sergio Lerma (Spain)

11.50-12.00

17. Combined orthopaedic and neurosurgical approach to treatment of children with cerebral palsy
Alexey Baindurashvili, Valery Umnov, Vladimir Kenis (Russian Federation)

12.00-12.10

18. Does the bone surgery in hip instability affect gross motor function level in patients with cerebral palsy?
Emre Cullu, Mutlu Cobanoglu, Bulent Alparslan (Turkey)

12.10-12.20

19. Role of femoral derotation osteotomy in patients with diplegia
Moon Seok Park, Chin Youb Chung, Sang Hyeong Lee, In Ho Choi, Tae Jun Cho, Won Joon Yoo, Kyung Min Lee (Korea)

12.20-12.30

20. Three-dimensional surgical foot correction in walking cerebral palsy patients**
Elke Viehweger, Emanuel Soucanye De Landevoisin, Michel Jacquemier, Anderson Loundou, Christophe Boulay, Yann Glard, Vincent Pomero, Jean-luc Jouve, Gérard Bollini (France)

12.30-14.30 Lunch and industrial workshops

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

14.30-16.30 Session 3. Spine

Chairman: Dietrich Schlenzka (Finland)

Moderator: Jorge Mineiro (Portugal)

14.30-14.40

21. Curve concordance in familial idiopathic scoliosis. A prospective survey.

Jerome Sales De Gauzy, Quentin Ballouhey , Franck Accadbled , H  l  ne Grandjean, Abdelaziz Abid , Jorge Knorr , Monica Ursei (France)

14.40-14.50

22. Development and initial validation of a disease specific measure for early onset scoliosis

David P Roye, Hiroko Matsumoto, Jacqueline Corona, Javier Avendano, Michael Vitale (United States)

14.50-15.00

23. Scoliosis after thoracotomy

Azucena M Garc  a, Oscar G Riquelme, Angel G Villa, Ana S Mart  nez, Roc  o D Gamero, Antonio M Cubillo, Paloma B Cervera, Salvador V Lopez, Jose L Gonzalez (Spain)

15.00-15.10

24. Is it necessary to operate all split cord malformations before long segment corrective surgery in patients with congenital spinal deformities?

Mehmet Ayvaz, Nejat Akalan, Ahmet Alanay , Emre R. Acaroglu, Muharrem Yazici (Turkey)

15.10-15.20

25. The effect of a new modification of the growing rod technique on the success rate: Distal and proximal pedicle screw fixation, dual rod application and routine lengthening at every 6 months

Houman Ahmadiadli, Deniz Z Olgun, Muharrem Yazici (Turkey)

15.20-15.30

26. Spinal hemiepiphysiodesis by modified staple induces curvatures*

Eric J Wall, Joseph Reynolds, Rich Grant, Donita Bylski-Austrow (United States)

15.30-15.40

27. Hybrid constructs for tridimensional correction of the thoracic spine in adolescent idiopathic scoliosis: a comparative analysis of universal clamps versus hooks

Brice Ilharreborde, Yann Lefevre, Franck Fitoussi, Georges Pennecot, Keyvan Mazda (France)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

15.40-15.50

28. Aortic abutment of thoracic pedicle screws following direct vertebral rotation: Plowing from derotation

Matthew Wagner, Jesus Burgos (Spain), Ignacio Sanpera (Spain), Raymond D. Knapp, Jose Herrera-Soto (United States)

15.40-15.50

29. Risk factors for major complications following surgery for neuromuscular scoliosis**

Daniel Masters, Douglas G Armstrong, George H Thompson, Jochen Son-Hing, Connie Poe-Kochert (United States)

15.50-16.00

30. Incidence and clinical relevance of lumbar disc changes on MRI in children: A long-term follow-up study

Erkko Klemetti, Martina Lohman, Dietrich Schelenzka (Finland)

16.20-16.30

31. The prevalence of low back pain and its impact on quality of life in adolescents

Cesar G Fontecha, Ferran Pellise, Federico Balague, Marius Aguirre, Luis Rajmil, Christine Cedraschi (Switzerland), Montse Ferrer, Maribel Pasarín (Spain)

16.20-16.30

32. A new real-time PCR for diagnosis of invasive infections caused by *Kingella kingae*: A prospective series of 31 acute arthritis in children**

Brice Ilharreborde, Mathie Lorrot, Yann Lefevre, Franck Fitoussi, Christine Vitoux, Edouard Bingen, Stéphane Bonacorsi, Georges Pennecot, Keyvan Mazda (France)

16.30-17.00

Coffee Break

17.00-18.30

Instructional Course Lectures

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

April 3, Friday

08.00-10.00 Session 4. DDH

Chairman: *José Mesquita Montes (Portugal)*
 Moderator: *Deborah Eastwood (United Kingdom)*

08.00-08.10

33. Do we need to follow type IIB hips till skeletal maturity?
Marek Synder, Emil Adamczyk, Andrzej Grzegorzewski , Andrzej Borowski (Poland)

08.10-08.20

34. Immediate closed reduction of congenital dislocation of the hip
Maurizio De Pellegrin, Désirée Moharamzadeh (Italy)

08.20-08.30

35. Effect of femoral head ossific nucleus in the treatment of developmental hip dysplasia, specifically hip dislocation: A systematic review and meta-analysis
Kuldeep Stohr Kaur, Michael Dobson, Andreas Roposch (United Kingdom)

08.30-08.40

36. Arthroscopic-assisted reduction in developmental dysplasia of the hip: Intraarticular impediment to complete reduction
Soon Hyuck Lee (Korea)

08.40-08.50

37. Developmental dislocation of the hip: Comparison of early treatment versus late open reduction and pelvic osteotomy
Renata Pospischill, Julia Weningers, Johannes Altenhuber, Rudolf Ganger, Franz Grill (Austria)

08.50-09.00

38. Early and mid-term results of anterior open reduction of developmental hip dysplasia with mini incision: A new technique
Mehmet Akif Kaygusuz, Ferdi Safa Bozkus, Ozgur Korkmaz, Alper Koksak, Kadir Abul (Turkey)

09.00-09.10

39. Less invasive Salter osteotomy: Description of a less invasive technique with the use of an oscillating saw
Kingsley C Chukwunyeremwa, Fintan Dolye , Diarmuid Maloney , Riech Sehgal, Mihai Vioreanu , Damian McCormack (Ireland)

09.10-09.20

40. Acetabular coverage following innominate osteotomy
James R Barnes, Simon Thomas, John Wedge (Canada)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

09.20-09.30

41. Long-term follow-up results of Salter osteotomy in DDH children between the ages of two and four years.

Mohamed Mostafa Hosney El-Sayed (Egypt)

09.30-09.40

42. Kalamchi and MacEwen group I AVN has objective adverse effects on the radiographic outcome in DDH

Haluk Agus, Hakan Omeroglu, Ali Bicimoglu, Yucel Tumer(Turkey)

09.40-09.50

43. Analysis of avascular necrosis following Pemberton acetabuloplasty in DDH

Ken N Kuo, Kuan WWu, Ting M Wang, Shier C Huang (Taiwan)

09.50-10.00

44. DDH: Outcomes after more than 30-years follow up

Julio Duart, José Luis Beguiristain (Spain)

10.00-10.30

Coffee break

10.30-12.00

Session 5. Upper extremity&Limb reconstruction&Varia

Chairman: Pierre Lascombes (France)

Moderator: Bjarne Moeller-Madsen(Denmark)

10.30-10.40

45. Postnatal growth of the clavicle: Birth to eighteen years of age

Molly McGraw, Charles Mehlman (United States)

10.40-10.50

46. Botox as an adjunct to the non-operative treatment of muscle imbalance in neonatal brachial plexus palsy: A preliminary report of 34 patients

Linda J Michaud, Susan Foad , Allison Allgier , Charles Mehlman (United States)

10.50-11.00

47. Release of the subscapularis muscle with transfer of the muscles latissimus dorsi and teres major for defect of shoulder external rotation secondary to obstetrical palsy : Mid-term results

Gilles Cohen, Virginie Rampal , Raphael Seringe, Philippe Wicart (France)

11.00-11.10

48. Arthroscopic release for shoulder internal rotation contracture secondary to brachial plexus birth palsy

Abdelaziz Abid, Jean Kany , Franck Accadbled , Philippe Darodes , Gorka Knörr , Jérôme Sales De Gauzy, Jean Philippe Cahuzac (France)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

11.10-11.20

49. Results of modified Woodward operation for severe Sprengel's deformity
Alaaeldin Azmi Ahmad (Palestine), Hugh Watts (United States)

11.20-11.30

50. Percutaneous release for trigger thumb in children
Adnan Sevencan, Nusret Kose , Ulukan Inan, Hakan Omeroglu , Sinan Seber (Turkey)

11.30-11.40

51. Bilateral humeral lengthening in patients with achondroplasia
Salih Marangoz, John Herzenberg, Dror Paley, Shawn Standard, Laura Rovetta (United States)

11.40-11.50

52. Deceleration in maturation of bone during adolescent age in achondroplasia: A retrospective study using RUS scoring system
Hae-ryong Song, Hitesh Modi , Seok Hyun Lee , Suryaudai Singh, Chetna Modi (Korea)

11.50-12.00

53. Demineralized bone matrix enhances consolidation during distraction osteogenesis by promoting endochondral bone formation*.
In-ho Choi, Dong Yeon Lee, Tae-joon Cho, Hye Ran Lee, Won Joon Yoo , Chin Youb Chung (Korea)

12.00-12.30 *Presidential Guest Lecture*

12.30-14.30 *Lunch and Industrial workshops*

14.30-16.00 *Session 6. Foot and ankle&Clubfoot&Tumors*

Chairman: Ernesto Ippolito(Italy)

Moderator: Steve Richards(United States)

14.30-14.40

54. Ponseti method versus French physiotherapy for initial treatment of idiopathic clubfoot deformity: A comparative study**
Franck Chotel, Philippe Wicart, Roger Parot, Vincent Cunin, Raphael Seringe, Jérôme Berard (France)

14.40-14.50

55. Successful correction of arthrogryptic clubfoot with a modified Ponseti technique
Salih Marangoz, Harold Van Bosse, Debra Sala, Wallace Lehman (United States)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

14.50-15.00

56. A comparison of children with a history of clubfoot which underwent surgical or Ponseti treatment

Chris Church, Julie Coplan, Ahmed Thabet, Durga Kowtharapu, Mohan Belthur, Roland Starr, Dan Mason, John Herzenberg, Freeman Miller (United States)

15.00-15.10

57. Treatment of complex foot deformities in children with the Taylor Spatial Frame

Mark Eidelman, Alexander Katzman, Yaniv Keren (Israel)

15.10-15.20

58. Osteoid osteoma in patients younger than 18 years old

José Luis Beguiristain, Julio Duart, Mikel San Julian (Spain)

15.20-15.30

59. Clinical and genetic outcome in patients with hereditary multiple exostoses (HME)**

Bettina Westhoff, Marcus Jäger, Sebastian Portier, Barbara Leube, Brigitte Royer - Pokora, Rüdiger Krauspe (Germany)

15.30-15.40

60. Unicameral bone cysts: Comparison of percutaneous curettage, steroid and autologous bone marrow injections

Federico Canavese, James Wright, William Cole, Sevan Hopyan (Canada)

15.40-15.50

61. Intermediate to long term results of a minimally invasive technique for the treatment of unicameral bone cysts

Alexandre Arkader, Gokce Mik, Alexander Manteghi, John Dormans (United States)

15.50-16.00

62. POSNA functional outcome score in chronic renal failure: Preliminary report

Cosimo Gigante, Andrea Borgo, Sara Carpenedo, Daniela Valotto (Italy)

16.00-16.30

Ceremonial awards

16.00-16.30

Coffee break

17.00-18.30

General assembly (Part 2)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

April 4, Saturday**08.00-12.00 *Session 7. Hip&Lower extremity***

Chairman: Ruediger Krauspe (Germany)

Moderator: Gaetano Pagnotta(Italy)

08.00-08.10

63. Increase intracapsular pressures after unstable slipped capital femoral epiphysis
Jose A Herrera-Soto, Kelly Vander Have, Michael Duffy, Mark Birnbaum (United States)

08.10-08.20

64. Acute, severe, unstable SCFE: Results of a delayed cuneiform neck osteotomy without surgical dislocation of the hip
Deborah Eastwood, Simond Jagernauth, Karl Logan, Aresh Hashemi-Nejad (United Kingdom)

08.20-08.30

65. Delayed diagnosis and misdiagnosis of slipped capital femoral epiphysis
Christina Neila, Nikolaos Papandreou, Vassilios Tsouparopoulos , Dimitrios Pasparakis (Greece)

08.30-08.40

66. Symptomatic femoroacetabular impingement following mild slipped capital femoral epiphysis after pinning in-situ**
Lorenz Büchler, Harish Hosalkar, Timo Schmid , Moritz Tannast , Klaus Siebenrock (Switzerland)

08.40-08.50

67. Preliminary results for limb reconstruction procedures in congenital femoral deficiencies
Yehia Abdalla Rady (Egypt)

08.50-09.00

68. Cruciate ligaments aplasia in patients with PFFD
Martin Ostadal, Jiri Chomiak, Monika Frydrychova, Pavel Dungal (Czech Republic)

09.00-09.10

69. Superhip procedure for reconstruction of the hip in congenital femoral deficiency
Catharina Chiari, Monica Nogueira, Geoffrey Crandall, John Herzenberg, Shawn Standard, Dror Paley (United States)

09.10-09.20

70. Preliminary experience using Fassier-Duval telescopic intramedullary system in the treatment of osteogenesis imperfecta
Thomas Wirth, Katrin Schelling (Germany)

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

09.20-09.30

71. Sheffield intra-medullary telescoping nail system for managing recurrent fractures and deformity problems in the long bones of the lower limbs in children**
Riazuddin Mohammed, Christopher Bradish (United Kingdom)

09.30-09.40

72. Residual deformities following treatment of pseudarthrosis of tibia
Chakravarthy U Dussa, L Doederlein (Germany)

09.40-09.50

73. Virtual surgery using 3D-CT images for preoperative planning of periacetabular osteotomy in hip dysplasia
Soon Hyuck Lee, Sang Won Park (Korea)

09.50-10.00

74. Effect of innominate and varus-derotation osteotomy on acetabular development in developmental dysplasia of the hip**
Andreas Roposch, Spence (United Kingdom), Hocking (Canada), John Wedge (Canada)

10.00-10.30 **Coffee break**

10.30-12.30 **Session 8. Hip&Lower extremity&LCPD**

Chairman: Nicholas Clarke (United Kingdom)

Moderator: Alain Dimeglio(France)

10.30-10.40

75. COMP-Angiopoietin-1 ameliorates surgery-induced ischemic necrosis of the femoral head in rats*
Jung Ryul Kim, Hyung Seok Lee (Korea)

10.40-10.50

76. Biology of Legg-Calvé-Perthes Disease:The beginning*
Nuno Craveiro-Lopes, Carolina Escalda, Carlo Villacreses(Portugal)

10.50-11.00

77. Prevention of Legg-Calvé-Perthes disease: Transphyseal neck-head drilling*
Nuno Craveiro-Lopes, Carolina Escalda, Carlo Villacreses (Portugal)

11.00-11.10

78. Prognostic factors and outcome of treatment in Perthes disease: A prospective study of 368 patients.
Ola Wiig, Terje Terjesen, Svein Svenningsen (Norway)

11.10-11.20

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers

79. Congruency vs. containment: Serial range of motion (SROM) MRI in treating Legg-Calve-Perthes Disease

Hui Kim Taek, Moon Oh, Jong Lee (Korea)

11.20-11.30

80. Prominent ischial spine projection reveals a high rate of acetabular retroversion in patients with Legg-Calvé-Perthes Disease

Anthony A Stans, Analise N Larson, Rafael Sierra (United States)

11.30-11.40

81. Arthroscopy of the hip in Legg Calve Perthes Disease

Dennis R Roy (United States)

11.40-11.50

82. Shelf acetabuloplasty for Perthes' hips with reducible subluxation: Prognostic factors related to hip remodeling

In-ho Choi , Won Joon Yoo, Tae-joon Cho , Chin Youb Chung , Moon Seok Park , Sung Jin Shin (Republic of Korea)

11.50-12.00

83. Risk factors for osteoarthritis and total hip replacement in Legg-Calvé-Perthes disease: A long-term case-control study

Lonnie Froberg, Finn Christensen, Niels P Wiesbech, Soren Overgaard (Denmark)

12.00-12.10

84. Leg lengthening with a motorized fully implanted nail in adolescent patients: An alternative to external fixator?

Andreas H Krieg, Fritz Hefti, Carol Hasler (Switzerland)

12.10-12.20

85. Analysis of callus pattern of tibia lengthening in achondroplasia and a novel method of regenerate assessment using pixel value

Hae-ryong Song, Suryaudai Singh, Seok-hyun Lee, Sang-heon Song, Ju-won Yi (Korea)

12.20-12.30

86. Is percutaneous adductor tenotomy as effective and safe as the open procedure?

Samer El Hage, Ismat Ghanem, Rami Rachkidi , Fernand Dagher, Khalil Kharrat (Lebanon)

12.30-13.00

Closing ceremony

13.00-17.00

Lisbon Festa

* Predrag Klisic Best Basic Science Award nominee papers

** John Sharrard Best Clinical Science Award nominee papers