



European Paediatric Orthopaedic Society

Athens, Greece

17th - 20th April 2013

Version 25.01.2013

Oral presentations

Paper posters

E- Posters

EPOS 2013
Scientific Program

PODIUM PRESENTATIONS

Papers highlighted in pink are prize presentations

Thursday, 18.04.2013	08h00 - 16h00	Podium Presentations		
08h00-08h15	Inauguration			
Time	Basic Science	Authors	Institution	Country
	Chairmen / Moderators : Bjarne Moeller-Madsen, J. Flynn			
08h15	The influence of biodegradable magnesium implants on the growth plate	Tanja Kraus - Stefan Fischerauer, Elisabeth Martinelli, Stefan Treichler, Karin Pichler Maria, Peter Uggowitzner, Annelie Weinberg	Medical University Graz	Austria
08h21	Immunological response to biodegradable magnesium implants in vivo	Karin Pichler Maria - Stefan Fischerauer, Peter Ferlic, Elisabeth Martinelli, Hans Brezinsek, Peter Uggowitzner , Annelie Weinberg	Department of Orthopedic Surgery, Graz	Austria
08h27	Discussion - 6'			
08h33	Guiding femoral rotation growth in an animal model	Elhanan Bar-on - Amir Arami , Amir Herman , Steven Velkes , Snir Heller	Schneider Children's Medical Center	Israel
08h39	Decreased expression of leptin receptor in ischemic femoral head of diet-induced obese rats	Jung Ryul Kim - Byung-hyun Park , Kyu Yun Jang	Chonbuk National University, Medical School	
08h45	Discussion - 6'			
08h51	Thermal Epiphyseodesis made with radio frequency ablation, RFA in Porcine Model	Juan Shiguetomi-Medina Manuel - Ole Rahbek , Hans Stoeckilde-Joergensen , Bjarne Moeller-Madsen	Department of Children's Orthopaedics	Denmark
08h57	Effect of physiotherapy in subscapularis muscle in rat model of obstetric brachial plexus palsy	Francisco Soldado - Jorge Knörr, Jorge Roman, Marcelo Cassacia, Cesar Fontecha, Jérôme Sales De Gauzy	Hôpital des Enfants CHU Toulouse	France
09h03	Discussion - 6'			
	DDH			
	Chairmen / Moderators : Deborah Eastwood, J. Dimitrou			
09h10	A re-evaluation of commonly accepted risk factors for developmental dysplasia of the hip: Preliminary results of a population based cohort study	Andreas Roposch - Saboura Mahdavi, Evangelia Protopapa, Yael Gelfer, Paul Humphries, Rumana Omar	Great Ormond Street Hospital for Children	UK
09h16	Traction-arc program is a good non-invasive treatment for DDH before walking age	Joao Pedro Oliveira - Cristina Alves, Inês Balacó, Pedro Sá Cardoso, Tah Pu Ling, Gabriel Matos, Jorge Seabra	Hospital Pediátrico de Coimbra - CHUC, EPE, Coimbra	Portugal
09h22	Good long-term results after antero-medial open reduction of DDH with preliminary traction	Pasquale Farsetti - Roberto Caterini , Vito Potenza , Ernesto Ippolito	University of Rome Tor Vergata, Rome	Italy
09h28	Discussion - 9'			
09h37	Sequential MRI in developmental dysplasia of the hip after walking age	Tohru Futami - Eigo Ota, Masashi Maruki, Yuko Ogi, Yuki Harada, Yoshihide Tomoda, Hiroyuki Kataoka, Fusako Shimozono	Medical Center for Children, Shiga	Japan
09h43	50 years follow-up of late-detected developmental dislocation of the hip	Terje Terjesen - Joachim Horn	Oslo University Hospital, Rikshospitalet, Oslo	Norway
09h49	Discussion - 6'			
10h00 - 10h30	COFFEE BREAK			
Time	Tumors/Metabolic	Authors	Institution	Country
	Chairmen / Moderators : Ruediger Krauspe, D. Pasparakis			
10h30	STS of Extremities in the growing age: retrospective analysis on orthopaedic treatment	Cosimo Gigante - Giovanni Cecchetto, Elisa Bassi, Rita Alaggio, Giovanni Scarcello, Gianni Bisogno	Pediatric Orthopaedic Service Padua General Hospital, Padova	Italy
10h36	Evaluation of preoperative tumor necrosis by dynamic 3 D angio-MRI analysis. A series of 18 cases of osteosarcoma	Clotilde Strugarek - Pierre Journeau, Laurence Mainard-Simard, Pierre Lascombes	Children's hospital	
10h42	Treatment of the Hip in Multiple Hereditary Exostoses (MHE) by Safe Surgical Dislocation	Dror Paley - Dong Hoon Lee	Paley Advanced Limb Lengthening Institute	
10h48	Discussion - 9'			
10h57	Surgical treatment of active, aggressive or recurrent aneurysmal bone cysts in children	Bülent Erol - Mert Topkar, Omer Sofulu, Emrah Caliskan, Mustafa Asansu	Marmara University	Turkey
11h03	Cytogenetic Translocation Associated with Locally Recurrent Aneurysmal Bone Cyst	Barry Danino - Guy Rozner, Avi Or, Shlomo Wientroub, Jacob Bickles	Department of Pediatric Orthopaedics, Dana Children's Hospital, Tel-Aviv Sourasky Medical Center, and the Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv	Israel
11h09	Discussion - 6'			
	Foot & Ankle			
	Chairmen / Moderators : Ruediger Krauspe, D. Pasparakis			
11h15	Marker-based foot posture assessment in children with flat feet	Tim Theologis - Catriona Kerr, Julie Stebbins, Amy Zavatsky	Nuffield Orthopaedic Centre	
11h21	Navicular index for differentiation of flatfoot from normal foot	Sandor Roth	KBC Rijeka, Rijeka	Croatia
11h27	Discussion - 6'			
11h33	Plantar flexion is more important than dorsiflexion for foot function in children	Cristina Alves - Jason Donovan, George Tomlinson, Unni Narayanan, Brian Feldman, James Wright	Hospital Pediátrico de Coimbra, Coimbra	Portugal
11h39	Long-term functional outcomes of resected tarsal coalitions	Amir Khoshbin - Peggy Law, Liora Caspi, Derek Stephens, James Wright	SickKids Hospital	
11h45	Discussion - 6'			
11h51-12h00	Break			
12h00-13h00	GENERAL ASSEMBLY - Part I			
13h00 - 14h00	LUNCH			

Time	Specialised Symposia 1			
14h00 - 16h00				
Time	Specialised Symposia 2			
14h00 - 16h00				
Time	Specialised Symposia 3			
14h00 - 16h00				
16h00	END OF THE SESSIONS			
Friday, 19.04.2013	08h30 - 17h00	Podium Presentations		
Time	Hip/Lower extremity	Authors	Institution	Country
	Chairmen / Moderators : Ralf Sakkers, Hakan Omeroglu			
08h30	Modified imhauser osteotomies with an open femoral neck osteoplasty - a case series	Navi Bali - James Harrison, Ed Bache	Birmingham Childrens Hospital, Birmingham	UK
08h36	Subcapital re-alignment procedure for severe SCFE with intra-operative monitoring of femoral head perfusion and post-operative bone scan: 45 consecutive cases	Oliver Birke - Kyle James, Paul Gibbons, David Little	The Children's Hospital at Westmead, Sydney	Australia
08h42	Treatment of severe slipped capital femoral epiphysis via the Ganz surgical hip dislocation and anatomical reduction. A prospective study of 28 consecutive patients	Anthony Cooper Philip - James Fernandes, Geraint Davies, Sanjeev Madan	Sheffield Children's Hospital, Sheffield	UK
08h48	Discussion - 9'			
08h57	Estimation of the recovery of physiologic genu varum with linear mixed model	Moon Seok Park - Kyoung Min Lee, Ki Hyuk Sung, Seung Yeol Lee, Young Choi, Bekhzad Akhmedov, Sang Hyeong Lee, Dae Gyu Kwon, In Ho Choi, Tae-Joon Cho, Won Joon Yoo, Chin Youb Chung	Seoul National University Bundang Hospital, Seoul	Korea
09h03	The Relationship between Angular Knee Deformity and Degenerative Disease of the Hip and Knee	Raymond Liu Weiwen - Jonathan Streit, Colin Lasko, Ademola Ajuwon, Daniel Cooperman	Case Western Reserve University	
09h09	Discussion - 6'			
09h15	Can BMP2 combined with the SUPERhip procedure lead to ossification of the unossified femoral neck and lower recurrence of coxa vara in severe congenital femoral deficiency?	Dror Paley - Matthew Harris, Catharina Chiari	Paley Advanced Limb Lengthening Institute	
09h21	Comparison of outcomes and complications of hip arthroscopy for mixed hip disorders between adolescents and adults: a prospective cohort study	Manoj Ramachandran - Pramod Achan, Martin Gottliebsen, Bjarne Moller-Madsen	The Royal London and St Bartholomew's Hospitals, Barts Health NHS Trust	UK
09h27	Discussion - 6'			
	LCP/Other			
	Chairmen / Moderators : Franck Accadbled, Elhanan Bar-on			
09h35	Early dysplastic acetabular changes have a prognostic significance in Legg-Calvé-Perthes Disease	Stefan Huhnstock - Svein Svenningsen, Are Hugo Pripp, Terje Terjesen, Ola Wiig	Oslo University Hospital, Oslo	Norway
09h41	Diffusion MRI provides early prognosis in Legg Perthes Calvé disease	Franck Accadbled - Delphine Sanmartin, Christiane Baunin, Nicolas Sans, Jérôme Sales De Gauzy	Hôpital des Enfants	
09h47	Discussion - 6'			
09h53	Does femoral varus osteotomy improve sphericity of the femoral head in Legg-Calvé-Perthes disease with lateral pillar C involvement?	Won Joon Yoo - Hyuk Ju Moon, Jung-Eun Cheon, Mi Hyun Song, Tae-Joon Cho, In Ho Choi	Seoul National University Children's Hospital, Seoul	Korea
09h59	Valgus-extension femoral osteotomy (VGEO) to treat "hinge abduction" in Perthes' disease	Vito Potenza - Pasquale Farsetti, Matteo Benedetti Valentini, Ernesto Ippolito	University of Rome Tor Vergata, Rome	Italy
10h05	Total Hip Arthroplasty for the Sequelae of Legg-Calvé-Perthes Disease	Anthony Stans A - Yaser Baghdadi, A. Larson, Tad Mabry	Mayo Clinic	USA
10h11	Discussion - 9'			
10h20	Scientific Level of Evidence and Type of the Studies Presented at the EPOS Meetings between 2008 and 2012	Salih Marangoz - Guney Yilmaz, Hakan Omeroglu	Hacettepe University	Turkey
10h26	Discussion 3'			
10h30 - 11h00	COFFEE BREAK			

	Clubfoot			
	Chairmen / Moderators : Gaetano Pagnotta, Marek Synder			
11h00	A prospective determination of environmental factors associated with Clubfoot	Emily Dodwell - Petter Risoe, James Wright	Hospital for Special Surgery	
11h06	A MRI volumetric study for leg muscles in congenital clubfoot	Pasquale Farsetti - Fernando De Maio, Massimiliano Dragoni, Vito Potenza, Ernesto Ippolito	University of Rome Tor Vergata, Rome	Italy
11h12	Club foot family history – effects on severity, treatment, and outcome	Yoram Hemo - Lior Shabtai, Eitan Segev, Ariella Yavor, Shlomo Wientroub	Dana childrens hospital	Israel
11h18	Discussion - 9'			
11h27	The predictive value of feet radiology on the need for additional surgery and functional outcome in clubfeet treated according to Ponseti protocol	Eitan Segev - Lior Shabtai, Ariella Yavor, Shlomo Wientroub, Yoram Hemo	Dana children hospital, orthopaedic department	Israel
11h33	Assessment of the relationship between radiographic and clinical measurements following correction of idiopathic and non- idiopathic clubfoot	Yael Gelfer - Mia Dunkley, Deborah Jackson, Jen Armstrong, Evette Parnell, Deborah Eastwood	Great Ormond Street Hospital	UK
11h39	Discussion - 6'			
11h45	Results and evolution of the Ponseti Method in 400 consecutive patients with idiopathic clubfoot	Anna Ey Batlle - Paula Minguez, Imma Vilalta, Melisa Stitzman, Norberto Ventura	Hospital Sant Joan de Déu	
11h51	Ponseti Protocol for Idiopathic Club Feet: Predictors for Success or Failure	Lior Shabtai - Yoram Hemo, Eitan Segev, Ariella Yavor, Sholomo Wientroub	Dana Children's Hospital	Israel
11h57	The Prognosis Based Score (PBS) – A Clinical Assessment Tool for the Recurrent Clubfoot	Shafique Pirani - Stephanie Boehm, Marc Sinclair, Richard Mathias, Kerstin Bosch, Dieter Rosenbaum, Edward Naddumba	University of British Columbia	
12h03	Duscussion - 9'			
12h12	Long-Term Retrospective Review of Idiopathic Clubfoot Treated with Posterior Medial-Lateral Release	Luciano Dias S - Lawrence Hsu, Vineeta Swaroop	Rehabilitation Institute of Chicago/Children's Memorial Hospital, Chicago	USA
12h18	How the Ponseti idea has influenced the treatment of arthrogryptic clubfeet?	Bartlomiej Kowalczyk - Tadeusz Lejman, Jaroslaw Felus	University Children's Hospital of Krakow, Krakow	Poland
12h24	Atypical Clubfoot- treatment challenges and solutions. A ten years experience	Miroslav Zhivkov	Univ Hosp. "Saint Anna"	
12h30	Discussion - 9'			

12h40-12h45	Introduction of Presidential lecture	Muharrem Yazici
12h45-13h05	Presidential lecture	Shlomo Wientroub

13h20 - 14h20	LUNCH WORKSHOPS
---------------	------------------------

Time	Upper extremity/Limb reconstruction I	Authors	Institution	Country
	Chairmen / Moderators : Gamal Hosny, R. Ganger			
14h20	Functional Recovery of Elbow Flexion Following Median and/or Ulnar Nerve Fascicle Transfer in Upper Trunk Obstetric Brachial Plexus Palsy	Francisco Soldado - Kevin Little, Dan Zlotolow, Roger Cornwall, Scott Kozin, Jorge Knorr, Jérôme Sales De Gauzy	Hôpital des Enfants CHU Toulouse, Toulouse	France
14h26	Transposition of the long head of triceps as a method of surgical restoration of active elbow flexion in children with arthrogryposis	Svetlana Trofimova - Alexey Baidurashvili, Olga Agranovich	The Turner Scientific and Research Institute for Children's Orthopedics	
14h32	Discussion - 6'			
14h38	Post-traumatic chronic radial head dislocation in children (Monteggia lesion)	Giovanni Di Gennaro - Alessandro Martinelli, Diego Antonioli, Onofrio Donzelli	Istituto ortopedico Rizzoli	
14h44	Discussion - 3'			
14h47	Use of the flexible intramedullary nailing in Ollier's disease limb lengthening	Dimitri Popkov A - Pierre Journeau, Arnold Popkov, Pierre Lascombes, Thierry Haumont	Russian Ilizarov Scientific Center for Restorative Traumatology and Orthopaedics	Russia
14h53	Limb lengthening by remote controlled magnetical nail	Micha Langendoerfer - Oliver Eberhardt, Thomas Wirth	Olgahospital	
14h59	Discussion - 9'			
15h08	Knee subluxation in lower limb lengthening	Gamal Hosny Ahmed	Benha Faculty of Medicine	
15h14	Subluxation of the knee joint under lengthening procedures of the lower limb - A description of the method for diagnosis, therapy, retention and outcomes for clinical practice	Frank Schiedel - Björn Vogt, Robert Rödl	Münster University Hospital, Dept. of Children's Orthopedics, Deformity Correction and Foot Surgery, Münster	Germany
15h20	Discussion - 6'			
15h26	Routine pin tract care in external fixation is unnecessary: A randomised, prospective, blinded controlled study	Carlo Camathias - Victor Valderrabano, Oberli Hemann	University Childrens Hospital Basle	
15h32	Discussion - 3'			
	Trauma/Sport injuries			
	Chairmen / Moderators : Pierre Lascombes, Manuel Cassiano-Neves			
15h40	Home pain management practices in children following extremity fractures. Is intervention useful?	Omer Or - Yaffa Zisk, Naum Simanovsky, Vladimir Goldman, Avi Panski, Ron Lamdan	Hadassah Hebrew University Medical Center	
15h46	Percutaneous pin removal in children in the outpatient setting - is analgesia necessary?	Kevin Lim Boon Leong - Sara Tan, Sharifah Nazrah Syed Abdullah, Ling Ling Ong, Mee Leng Wong	KK Women's & Children's Hospital	
15h52	Discussion - 6'			
15h58	Post-traumatic forearm nonunion in children	Giovanni Di Gennaro - Alessandro Martinelli, Costantina Racano, Marina Magnani, Onofrio Donzelli		
16h04	A novel treatment for osteochondritis dissecans of the knee: Introducing the 'doorstop phenomenon	Carlo Camathias - Rutz Erich, Brunner Reinald, Gaston Mark	University Childrens Hospital Basle	
16h10	Discussion - 6'			

16h30 - 17h00	COFFEE BREAK
---------------	---------------------

	END OF THE SESSIONS
--	----------------------------

17h00-18h30	GENERAL ASSEMBLY - Part II
-------------	-----------------------------------

Saturday, 20.04.2013	08h30 - 13h00	Podim presentations		
Time	Spine I	Authors	Institution	Country
	Chairmen / Moderators : Muharrem Yazici, P. Newton			
08h30	The Recognition, Incidence and Management of Spinal Cord Monitoring Alerts in Early Onset Scoliosis Surgery	Jonathan Phillips Huw - Denise Lopez, Dennis Knapp, Jose Herrera-Soto	Orlando Health	
08h36	Effects of Growing Instrumentation on Endothoracic Deformity in Early-Onset Scoliosis Utilizing the Spinal Penetration Index	Charles Johnston E - Ryan Muchow Md, Anna Mcclung Bsn Rn	Texas Scottish Rite Hospital for Children	USA
08h42	Repeat expansions of growth retaining implants for early onset spine deformities lead to increasing bacterial colonization	Carol Hasler - Andrej Trampuz, Daniel Studer, Christian Plaass	University Children's Hospital	
08h48	Discussion - 9'			
08h57	Cervical lordosis in fetal spine : fake or reality	Elie Choufani - Jean Luc Jouve, Vincent Pomeroy, Gerard Bollini, Kathia Chaumoitre, Michel Panuel	Timone children hospital of Marseille, Marseille	France
09h03	Rigid internal fixation for occipito-cervical arthrodesis in young children A retrospective study in 14 patients	Thierry Odent - Rony Boughosn, Jean-paul Padovani, Michel Zerah, Christophe Glorion	Université Paris Descartes - Sorbonne Paris Cité - Service d'orthopédie pédiatrique - Hôpital Necker - Enfants Malades, Paris	France
09h09	Discussion - 6'			
09h15	Assessment of curve flexibility in adolescent idiopathic scoliosis using EOS stereoradiography	Caroline Hirsch - Brice Ilharreborde, Alain Tanguy, Keyvan Mazda	Pediatric orthopedic department, Robert Debré Hospital, APHP, Université Paris Diderot, Paris	France
09h21	Outcomes of Bracing in Juvenile Idiopathic Scoliosis until Skeletal Maturity or Surgery	Amir Khoshbin - Liora Caspi, Sandra Donaldson, Derek Stephens, Trevor Da Silva, Catherine Bradley, James Wright	SickKids Hospital	
09h27	Discussion - 6'			
	Spine II			
	Chairmen / Moderators : C. Hasler, Renaud Rossillon			
09h33	Convex Instrumented Hemiepiphysiodesis with Concave Distraction: A New Treatment Modality for Long Sweeping Congenital Curves	Demirkiran Demirkiran Halil - Ozgur Dede, Mehmet Ayvaz, Ahmet Alanay, Muharrem Yazici	Hacettepe Orthopedics and Traumatology	Turkey
09h39	The effectiveness of hybrid system (lumbar pedicle screws plus Universal Clamps) in controlling coronal and sagittal profile in surgical treatment of adolescent idiopathic scoliosis	Leonardo Oggiano - Giancarlo Giglio, Guido La Rosa	Bambino Gesù Children's Hospital, IRCCS, Palidoro, Rome	Italy
09h45	Is the level of proximal fusion in adolescent idiopathic scoliosis a prognostic factor for proximal junctional kyphosis after long posterior fusion ?	Christophe Vidal - Brice Ilharreborde, Keyvan Mazda	Pediatric Orthopaedic Department, Robert Debré Hospital, AP-HP, Paris Diderot University, Paris	France
09h51	Discussion - 9'			
10h00	Correction of Spondylolisthesis in Adolescents using a Monosegmental, Circumferential Reduction and Fusion	Katy Morris Irene - Andrew King, Joey Lamartina	Louisiana State University Health Sciences Center	USA
10h06	Risk factors for adjacent segment degeneration after adolescent idiopathic scoliosis surgery : the intervertebral disc stability concept	Kariman Abelin Genevois - Pascal Swider, Erik Estivaleres, Jerome Briot, Franck Accadbled, Jerome Sales De Gauzy	Hôpital Femme Mère Enfant	
10h12	Growth sparing spinal instrumentation in skeletal dysplasia	Ali Karatas Fuat - Ozgur Dede, Kenneth Rogers, Michael Bober, Suken Shah, William Mackenzie	Nemours/Alfred I. duPont Hospital for Children	
10h18	Discussion - 9'			
10h30 - 11h00	COFFEE BREAK			
10h50 - 11h00	AWARD CEREMONY			

Time	Limb reconstruction II	Authors	Institution	Country
	Chairmen / Moderators : J. Chomiak, Darko Anticevic			
11h00	Quality of life measures differ between female and male young adults with lower limb reduction defects	Trine Kaastad Sand		
11h06	EOS Low-dose Biplanar Radiography: The New Gold Standard in Radiographic Assessment of Lower Limb Lengths	Uni Narayanan		
11h12	Discussion - 6'			
11h18	TAR Syndrome	Gamal Hosny Ahmed		
11h24	No superiority of tension band plating compared to stapling. A randomized clinical trial on treatment of idiopathic genu valgum	Martin Gottliebsen		
11h30	Discussion - 6'			
	Neuromuscular/Cerebral Palsy			
	Chairmen / Moderators : J. Czubak, I. Sanpera			
11h36	Kyphectomy in children with Myelomeningocele	Mustafa Erkan Inanmaz		
11h42	Long-term functional outcomes of operative vs. Non-operative spina bifida scoliosis	Amir Khoshbin		
11h48	Discussion - 6'			
11h52	Combined medial and lateral hamstring versus isolated medial hamstring lengthening surgery	Enda Kelly Gerard		
11h58	Pamidronate treatment to prevent reoccurring fractures in children with Cerebral Palsy	Julianne Sees		
12h04	Discussion - 6'			
12h10	Barographic Measurement of Seating Position in Children with Cerebral Palsy Undergoing Hip Surgery	Line Pedersen Kjeldgaard		
12h16	Dega acetabuloplasty in the treatment of spastic hips: results at skeletal maturity	Cindy Mallet		
12h22	Crouch Gait Changes after Planovalgus Foot Deformity Correction in Ambulatory Children with Cerebral Palsy	Muayad Kadhim		
12h28	Discussion - 9'			
13h00 - 13h15	CLOSING CEREMONY			
13h15	END OF THE CONGRESS			