



## Day 1 - Sunday, May 4, 2014

### 08:00-10:00 SESSION 1: Craniofacial I

Chairpersons: **Marie-Lise Van Veelen** (The Netherlands)  
**A. Martina Messing-Jünger** (Germany)

**08:00-08:05 WELCOME MESSAGE**

**Massimo Caldarelli** (ESPN President 2012-2014)

**08:05-08:25 INVITED LECTURE IL01**

*Raised intracranial pressure and craniosynostosis: separating myth from fact*

**Richard Hayward** (United Kingdom)

**08:25-08:50 ORAL PRESENTATIONS OP01-OP03**

**OP01** *Complications in craniosynostosis surgery: review of 164 procedures*

**Sebastian Arts, Hans Delye, Erik J. van Lindert** (The Netherlands)

**OP02** *Analysis of venous outflow in children with craniosynostosis: the role of 2DTOF in the angioMRI*

**Tatiana Protzenko, Eric Arnaud, Francis Brunelle, Corinne Collet, Christian Sainte Rose, Giovanna Paternoster, Raphael Calmon, Federico Di Rocco** (France)

**OP03** *Posterior calvarial augmentation in patients with strong occipital flattening or constrained intracranial volume*

**Alexandra Huthmann, Wolfgang Wagner** (Germany)

**08:50-09:10 INVITED LECTURE IL02**

*Osteodistraction in complex craniosynostosis – Treatment of choice or just a therapeutic option?*

**Sandro Pelo** (Italy)

**09:10-09:35 ORAL PRESENTATIONS OP04-OP06**

**OP04** *Three patterns of front-orbital remodelling for metopic synostosis: comparison of cranial growth outcomes*

**Alison Wray, Mitchel Seruya, Shi Hong Shen, Luke Wang, Anthony Pennington, Andrew Greensmith, Anthony Holmes, David Chong** (Australia)

**OP05** *TCF 12 related coronal synostosis*

**Federico Di Rocco, Giovanna Paternoster, Irene Stella, Mohamed Abdelatif Boukebir, Tatiana Protzenko, Corinne Collet, Eric Arnaud** (France)

**Sunday • May 4, 2014 ➤ Plenary Hall (Aula Magna)**

- OP06** *Total cranial vault remodelling for isolated sagittal synostosis: postoperative cranial suture patency*  
**Alison Wray, Mitchel Seruya, Yi Tan Shu, Anthony Pennington, Andrew Greensmith, Anthony Holmes, David Chong** (Australia)

**09:35-10:00 FLASH PRESENTATIONS FP01-FP08**

- FP01** *Sagittal synostosis using endoscopic suturectomy without postoperative helmet in non syndromic synostosis*  
**Rebeca Conde-Sardon, Rebeca Perez-Alfayate, Carlos Botella** (Spain, USA)
- FP02** *Mutations in IL11RA: a genetic cause of scaphocephaly*  
**Marie-Lise Van Veelen, Jacqueline Goos, S. Swagemakers, Peter Van der Spek, Irene Mathijssen** (The Netherlands)
- FP03** Moved to SESSION 11 as **FP88b**
- FP04** *Craniosynostosis: a comparison of suture sites affected in different ethnic cohorts*  
**Ian Anderson, David Bonthron, Maggie Bellew, Lachlan Carter, John Russell, Ian Smith, Mark Liddington, John Goodden, Paul Chumas** (United Kingdom)
- FP05** *Midfacial distraction in craniofacial synostosis affected by obstructive sleep apnea syndrome: polysomnographic and cephalometric evaluation*  
**Fabio Mazzoleni, Costanza Meazzini, Giorgio Novelli, Davide Sozzi, Luca Ferrari, Rebecca Saez Vigo, Carlo Giorgio Giussani, Alberto Bozzetti** (Italy)
- FP06** *Long-term follow-up of syndromic craniosynostosis after Le Fort III halo distraction: cephalometric, CT and aesthetic evaluation*  
**Fabio Mazzoleni, Costanza Meazzini, Giorgio Novelli, Davide Sozzi, Luca Ferrari, Carlo Giorgio Giussani, Valentina Basile, Alberto Bozzetti** (Italy)
- FP07** *Analysis of  $\Delta ADC$  (apparent diffusion coefficient linked with the cardiac cycle) in craniosynostosis*  
**Osamu Akiyama, Kazuaki Shimoji, Takaoki Kimura, Masakazu Miyajima, Hajime Arai** (Japan)
- FP08** *Long-term outcome of decompressive cranioplasty in mild metopic suture synostosis with clinical symptoms*  
**Kazuaki Shimoji, Osamu Akiyama, Takaoki Kimura, Takeyoshi Shimoji, Masakazu Miyajima, Hajime Arai** (Japan)

**10:00-10:30** Coffee Break • ePosters Viewing

**Sunday • May 4, 2014 ➤ Plenary Hall (Aula Magna)**

**10:30-12:30 SESSION 2: Craniofacial II**

Chairpersons: **Federico Di Rocco** (France)  
**Gianpiero Tamburrini** (Italy)

**10:30-10:50 INVITED LECTURE IL03**

*Springs – A force for Good or Evil*

**Marie-Lise Van Veelen** (The Netherlands)

**10:50-11:25 ORAL PRESENTATIONS OP07-OP10**

**OP07** *Minimally invasive spring-assisted correction of sagittal suture synostosis: outcome and complications*

**Marie-Lise Van Veelen, Caroline Touw, Irene Mathijssen**  
(The Netherlands)

**OP08** *Endoscopically assisted craniosynostose surgery: the Craniofacial Team Nijmegen (Radboud University Medical Centre) experience*

**Sebastian Arts, Hans Delye, Wilfred Borstlap, Laura Blok, Jaques Driessen, Jene Meulstee, Erik van Lindert**  
(The Netherlands)

**OP09** *Sagittal and bilateral lambdoid synostosis: report of 35 cases*

**Federico Di Rocco, Nathalie Chivoret, Stephane Blanot, Thomas Bagnon, Dominique Renier, Eric Arnaud** (France)

**OP10** *The prostaglandinE2-pathway as a new player in the pathogenesis of non-syndromic craniosynostoses*

**Wanda Lattanzi, C. Cicione, Luca Massimi, Gianpiero Tamburrini, M. Barba, C. Bernardini, G. Di Taranto, F. Michetti, Concezio Di Rocco, Massimo Caldarelli** (Italy)

**11:25-11:30 Discussion**

**11:30-11:50 FLASH PRESENTATIONS FP09-FP15**

**FP09** *Anthropometric changes in the skull base in children with sagittal craniosynostosis*

**Hamilton Matushita, José Erasmo Dal Col Lúcio** (Brazil)

**FP10** *Treatment of scaphocephaly with total cranial remodeling: our experience and results*

**Carmine Mottolese, Alexandru Szathmari, Violaine Delabar, Pierre-Aurelien Beuriat, Cristophe Roussele** (France)

**FP11** *Achievement of cranio-facial symmetry in isolated unilateral coronal synostosis: long-term photometric results*

**Carlo Giorgio Giussani, Fabio Mazzoleni, Valentina Basile, Davide Sozzi, Erik Pietro Sganzerla, Alberto Bozzetti** (Italy)

**Sunday • May 4, 2014** 🐾 **Plenary Hall (Aula Magna)**

- FP12** *Posterior skull vault expansion in craniosynostosis*  
**Federico Di Rocco, Carlos Bennett, Philippe Meyer, Christian Sainte-Rose, Eric Arnaud** (France)
- FP13** *Fronto-orbital remodeling in plagiocephaly treatment*  
**Laura Grazia Valentini, Marika Furlanetto, P. Cortellazzi, Alberto Bozzetti, Fabio Mazzoleni** (Italy)
- FP14** *The price we pay: results of an open surgical technique treatment of sagittal synostosis*  
**Laura Grazia Valentini, Marika Furlanetto, V. Saletti, A. Erbetta, P. Cortellazzi** (Italy)
- FP15** *Functional characterization of the Bardet Biedl syndrome-associated gene 9 in nonsyndromic craniosynostosis*  
**Wanda Lattanzi, M. Barba, Gianpiero Tamburrini, C. Cicione, C. Bernardini, F. Pignotti, Luca Massimi, M.C. Geloso, F. Michetti, Massimo Caldarelli, Concezio Di Rocco** (Italy)

**11:50-12:00 Discussion**

**12:00-12:20 FLASH PRESENTATIONS FP16-FP22**

- FP16** *Pseudomeningocele with orbital extension as a complication of fronto-orbital advancement and remodelling in craniosynostosis: a retrospective review*  
**Ganesalingam Narenthiran, A. Henedige, Sasha Burn, David Richardson, Partha Vaiude, Christian Duncan, Ajay Sinha** (United Kingdom)
- FP17** *Management of Chiari I malformation in patients with complex craniosynostosis: concurrent posterior calvarial expansion and foramen magnum decompression*  
**Ganesalingam Narenthiran, Partha Vaiude, David Richardson, Christian Duncan, Sasha Burn, Ajay Sinha** (United Kingdom)
- FP18** *Parietal foramina and relationship to syndromic and non-syndromic craniosynostosis*  
**Reema Chawla, Hiroshi Nishikawa, Guirish Solanki** (United Kingdom)
- FP19** *Hybrid model for craniosynostosis*  
**Jing Jin, R. Eagleson, Sandrine de Ribaupierre** (Canada)
- FP20** *Reconstructive surgery for craniosynostosis*  
**Alexey Krivoschapkin, Vyacheslav Kobozev, Gleb Sergeev, Anton Gorbatykh** (Russia)

**Sunday • May 4, 2014 🐾 Plenary Hall (Aula Magna)**

**FP21** *The use of different methods to evaluate the postoperative outcome of coronal and metopic synostosis surgery in a small clinical series and literature review. The necessity for a unified, widely accepted evaluation method of craniosynostosis surgery*  
**Georgios Markogiannakis, Olympia Karypidou, Savvas Melissaris, Pavlos Foteas, Michael Koutzoglou** (Greece)

**FP22** *A unique case of isolated lambdoid synostosis presenting with intracranial hypertension: an examination of aetiology and management by posterior skull vault expansion*  
**Manjit Dhillon, Amedeo Calisto, David Koppel, Meharpal Sangra** (United Kingdom)

**12:20-12:30 Discussion**

**12:30-14:30 Lunch Break • ePosters Viewing**

**14:30-16:30 SESSION 3: Audit and outcome in Pediatric Neurosurgery**

Chairpersons: **Hannes Haberl** (Germany)  
**Wolfgang Wagner** (Germany)

**14:30-14:50 INVITED LECTURE IL04**  
*Shunt infection – From audit to protocol*  
**Chidambaram Balasubramaniam** (India)

**14:50-15:40 ORAL PRESENTATIONS OP11-OP16**

**OP11** *National UK study of mortality after surgery for common pediatric CNS tumors*  
**Paul Chumas, Sue Picton, Tom Kenny, Charles Stiller** (United Kingdom)

**OP12** *Outcome after ulnar to musculocutaneous nerve transfer surgery for obstetrical brachial plexus palsy*  
**Ricardo Gepp, Luis Eduardo Lima, Roberta Figueiredo, Marco Quiroga** (Brazil)

**OP13** *In-vitro and clinical study on a novel synthetic absorbable biomimetic dural substitute*  
**Xu Tao, Shi Zhidong, Yuan Yuyu, Deng Kunxue, Liu Man, Tian Quan, Ke Yiquan, Luo Chengyi** (Germany, China)

**OP14** *Documenting informed consent in Pediatric Neurosurgery – What is often missed? An audit from a pediatric neurosurgical centre*  
**Chirag Patel, Julian J. O'Neill Cahill, Adikarige H.D. Silva, Haren E. Wijesinghe, Alia Murtaza, Desiderio Rodrigues** (United Kingdom)

**Sunday • May 4, 2014 ➤ Plenary Hall (Aula Magna)**

**OP15** *Surgical site infections in Pediatric Neurosurgery – A single centre audit*

**Dawn Williams, Linda Marshall, Lisa Wall, Stephane Paulus, Chris Parks, Benedetta Pettorini** (United Kingdom)

**OP16** *Seasonal clustering of paranasal sinusitis related subdural empyema: should NICE guidelines be changed based on this observational study*

**Anne Elserius, Hammad U. Qureshi, Pasquale Gallo, Guirish Solanki, Desiderio Rodrigues** (United Kingdom)

**15:40-15:45 Discussion**

**15:45-16:05 FLASH PRESENTATIONS FP23-FP28**

**FP23** *Neural tube defects over the years – An Irish perspective*

**Tafadzwa Mandiwanza, Orla McMahon, Mohammed Sattar, Darach Crimmins, John Caird** (Ireland)

**FP24** *IQ findings at age 10 in a cohort of craniosynostosis patients*

**Maggie Bellew, Mark Liddington, John Russel, David Bonthron, John Goodden, Paul Chumas** (United Kingdom)

**FP25** *Tethered cord syndrome after myelomeningocele: outcome and retethering*

**Ricardo Gepp, Rogerio Sacco, Henrique Sousa, Andre Borba** (Brazil)

**FP26** *Clinical evolution of spinal cord dysraphisms that undergo early surgical intervention: a single institutional experience*

**Gemma Garcia-Fructuoso, Julita Medina, Santiago Candela, Mariana Alamar, Patricia Puerta, Antonio Guillen, Monica Rebollo** (Spain)

**FP27** *Encephalocele – Experience in a series of 42 cases*

**Nelci Zanon, Luanda A. Collange Grecco, Marcia Noriko Oliveira Homa, Giselle Coelho, Francinaldo Gomes, Rafael Loduca, Marise Audi, Rita Delgado Vilora** (Brazil)

**FP28** *AVM in children. Our experience with a series of 48 patients*

**F. Fomekong, Alexandru Szathmari, Pierre-Aurelien Beuriat, B. Grassiot, F. Turjman, Carmine Mottolese** (France)

**16:05-16:10 Discussion**

**Sunday • May 4, 2014** 🐾 **Plenary Hall (Aula Magna)**

**16:10-16:25 FLASH PRESENTATIONS FP29-FP33**

- FP29** *Pediatric intracranial developmental venous anomalies (DVAs): how often do they bleed? A 10-year review*  
**A.H.D. Silva, H.E. Wijesinghe, U. Farooq, K. Parkes, Guirish A. Solanki** (United Kingdom)
- FP30** *Spontaneous intracranial haemorrhage in children: is it possible to establish prognostic factors?*  
**Eduardo Jucá, Erika Souza, Larissa Sampaio, Valéria Gadelha, Carla Menezes** (Brazil)
- FP31** *Posterior circulation aneurysms in pediatric populations – A single institution experience*  
**Gaurang Vaghani, Pankaj Kumar Singh, Bhawani Shankar Sharma, Nalin K. Mishra** (India)
- FP32** Moved to SESSION 10 as **FP70b**
- FP33** *Development of pediatric neurosurgical unit in Kuwait*  
**Radovan Mijalcic, Tarik Al-Sheikh** (Serbia, Kuwait)

**16:25-16:30 Discussion**

**16:30-17:00** *Coffee Break • ePosters Viewing*

**17:00-17:30 SPECIAL LECTURE 1**

*Chiari I – A diagnostic curse?*  
**Concezio Di Rocco** (Italy)

**17:30-18:30 SATELLITE SYMPOSIUM 1**

*Industry sponsored (see page 13)*

**18:30-19:00** *Opening Ceremony*

## Day 2 - Monday, May 5, 2014

### 08:00-10:00 SESSION 4: Complex hydrocephalus and neurosurgical management of the preterm infant

*Joint session with the Brazilian Society for Pediatric Neurosurgery (SBNPed)*

Chairpersons: **Nelci Zanon** (Brazil)  
**Massimo Caldarelli** (Italy)

#### 08:00-08:30 INVITED LECTURE IL05

*Management strategies for neonatal intraventricular haemorrhage*  
**Marcia Cristina Da Silva** (Brazil)

#### 08:30-09:00 ORAL PRESENTATIONS OP17-OP20

- OP17 *Ventriculo-subgaleal shunt in post-hemorrhagic hydrocephalus*  
**Claudio Ruggiero, Pietro Spennato, Giuseppe Mirone, Ferdinando Aliberti, Giuseppe Cinalli** (Italy)
- OP18 *Risk factors for congenital hydrocephalus: a nationwide, register based cohort study*  
**Tina Noergaard Munch, Marie Louise Hee-Rasmussen, Jan Wohlfahrt, Marianne Juhler, Mads Melbye** (Denmark)
- OP19 *Influence of CSF protein content on revision rate in neonatal hydrocephalus*  
**Matthias Preuß, Robin Wachowiak, Jürgen Meixensberger, Ulf Nestler** (Germany)
- OP20 *External ventricular drainage and urokinase injection therapy for post-intraventricular hemorrhagic hydrocephalus in very-low-birth-weight-infants*  
**Young Soo Park, Yukiko Kotani, Hiroyuki Nakase** (Japan)

#### 09:00-09:15 Discussion

#### 09:15-09:45 FLASH PRESENTATIONS FP34-FP41

- FP34 *Treatment of post-haemorrhagic hydrocephalus in prematurity: single-centre experience*  
**Benedetta Pettorini, Bassel Zebian, William John Kitchen, Christos Chamilos, Ganesalingam Narenthiran, Jonathan Ellenbogen** (United Kingdom)
- FP35 *Multiloculated hydrocephalus in preterm infants: a surgical challenge*  
**Andrea Carai, Paolina Giuseppina Amante, Carlo Efisio Marras, Francesco Portaluri, Teresa Fasano, Raffaella Messina, Alessandro De Benedictis, Emidio Procaccini, Andrea Dotta, Cinzia Auriti, Paolo Palma** (Italy)



**Monday • May 5, 2014** ➤ **Plenary Hall (Aula Magna)**

- FP36** *Intraventricular hemorrhage in preterm infants: proposal of a new strategy*  
**Armando Cama**, Marcello Ravegnani, Gianluca Piatelli, Alessandro Consales, Marco Pavanello, Andrea Rossi, Andrea Moscatelli, Luca Ramenghi (Italy)
- FP37** *Antibiotic impregnated catheters reduce ventriculo-peritoneal shunt infection rate in high risk pediatric patients*  
**Giovanni Raffa**, **Rosaria Viola Abbritti**, Lucia Marseglia, Eloisa Gitto, Antonino Germanò (Italy)
- FP38** *Peritoneal failure in VP shunts: a clinico-pathological study*  
**Khaled Aly**, Esam Ayad (Egypt)
- FP39** WITHDRAWN
- FP40** *Effect of surgical treatment of intracranial cysts in children and infants – Lessons learned*  
**Radek Frič**, Anne Henriette Paulsen, Bernt Johan Due-Tønnessen (Norway)
- FP41** *The impact of a nursing care protocol in the management of External Ventricular Derivation (EVD) in a Pediatric Neurosurgery unit*  
**Eduardo Jucá**, Patrícia Kozempa, Sâmya Lobo, Suzane Tavares (Brazil)

**09:45-10:00** **Discussion**

**10:00-10:30** *Coffee Break • ePosters Viewing*

**10:30-13:00** **SESSION 5: Hydrocephalus**

Chairpersons: **Martin U. Schuhmann** (Germany)  
**Paul Chumas** (United Kingdom)

**10:30-10:50** **INVITED LECTURE IL06**  
*Novel treatments in hydrocephalus: from plastic to pharmacology*  
**James P. McAllister** (USA)

**10:50-12:05** **ORAL PRESENTATIONS OP21-OP29**

**OP21** *Contemporary shunt technology: 20 years of Cambridge Shunt Lab*  
**Zofia Czosnyka**, Hugh K. Richards, Marek Czosnyka, John D. Pickard (United Kingdom)

**Monday • May 5, 2014 🐾 Plenary Hall (Aula Magna)**

- OP22** *The story of “asymptomatic ventriculomegaly” – Normal pressure hydrocephalus of infancy and childhood*  
**Martin U. Schuhmann, Artemisia Dimostheni, Humphrey Okechi, Sasam Adib, Andrea Bevot, Karin Haas-Lude** (Germany)
- OP23** *An external validation of the ETVSS for both short-term and long-term predictive adequacy in 104 pediatric patients*  
**Gerben Breimer, Deborah Sival, Marjolein Brusse-Keizer, Eelco Hoving** (The Netherlands)
- OP24** *Stringent indication criteria reduced frequency of ventriculoperitoneal shunt surgeries in myelomeningocele patients*  
**Takafumi Wataya, Ryuji Ishizaki, Yuzuru Tashiro** (Japan)
- OP25** *How to improve the management of multiloculated hydrocephalus. Surgical outcomes in 91 neuroendoscopic procedures*  
**Flavio Giordano, Regina Mura, Raffaele Scrofani, Pierarturo Donati, Federico Mussa, Barbara Spacca, Lorenzo Genitori** (Italy)
- OP26** *Benign extracerebral collections of infancy*  
**Hamilton Matushita, Daniel Cardeal, Fernanda Andrade** (Brazil)
- OP27** *Quantification of radiation exposure in children with ventriculoperitoneal shunts*  
**Christopher Cowie, Gareth Dobson, Alistair Jenkins, Claire Nicholson, Patrick Mitchell** (United Kingdom)
- OP28** *Ventricular shunting in neonates and infancy and development of plagiocephaly: how serious is it?*  
**Stuart Roberts, Reema Chawla, Guirish Solanki** (United Kingdom)
- OP29** *How evolution informs the fate of ancient inhibitory interneurons, in relationship to the cerebrospinal fluid contacting neurons, in the human neocortex*  
**Alexandra Kunz, Andras Csokay** (USA, Hungary)

**12:05-12:25 Discussion**

**12:25-12:40 FLASH PRESENTATIONS FP42-FP46**

- FP42** *Fidelity study of a new synthetic simulator for endoscopic third ventriculostomy*  
**Gerben Breimer, Vivek Bodani, James Drake** (The Netherlands, Canada)
- FP43** *Early (<30 day) shunt failure: lessons from 5-years of audit*  
**Ian Anderson, Atul Tyagi, Gnanamurthy Sivakumar, John Goodden, Paul Chumas** (United Kingdom)
- FP44** *Challenges in management of hydrocephalus in TB meningitis*  
**Kaushik Sil** (India)

**Monday • May 5, 2014** 🐾 **Plenary Hall (Aula Magna)**

- FP45** *Open spina bifida: report of malfunction of shunts in adults*  
**Dieter Class, Mohamed Abdelrehim, Henriette Wolko, Raimund Firsching** (Germany)
- FP46** *Pattern of complications and presenting features in patients implanted ventriculoperitoneal shunt due to hydrocephalus*  
**Vash Dev Khimani, Riaz Ahmed Raja** (Pakistan)

**12:40-13:00** **Discussion**

**13:00-14:00** **SATELLITE LUNCHEON SYMPOSIUM 1**

*Industry sponsored (see page 13)*

**13:30-14:30** *Lunch Break • ePosters Viewing*

**14:30-16:10** **SESSION 6: Epilepsy Surgery**

Chairpersons: **Silvio Machado** (Brazil)  
**Spyros Sgouros** (Greece)

- 14:30-14:50** **INVITED LECTURE IL07**  
*Epilepsy Surgery in children: whose choice? The family, the clinician or the politicians? Lessons for the future*  
**William J. Harkness** (United Kingdom)
- 14:50-15:55** **ORAL PRESENTATIONS OP30-OP37**
- OP30** *Outcome of temporal lobe resection for pediatric epilepsy: review of 197 cases*  
**Greg James, Martin Tisdall, Sophia Varadkar, Helen J. Cross, William J. Harkness** (United Kingdom)
- OP31** *Risk and benefit of resective epilepsy surgery in the first years of life*  
**Marec von Lehe, Christoph Schöne-Bake, Robert Sassen, Stefan Kuczaty, Caroline Wessling** (Germany)
- OP32** *Epilepsy surgery in infants under a year of age*  
**Michael Handler, Ramesh Kumar, Susan Koh, Pramote Laoprasert, Kelly Knupp, Brent O'Neill** (USA)
- OP33** *Robotic assisted endoscopic disconnection of hypothalamic hamartoma in the management of drug resistant epilepsy*  
**Raffaella Messina, Carlo Efisio Marras, Emidio Procaccini, Erika Rebessi, Andrea Carai, Carlotta Ginevra Nucci, Alessandro De Benedictis, Paolo Palma, Niccoló Castelli, Olivier Delalande** (Italy)

**Monday • May 5, 2014 ➤ Plenary Hall (Aula Magna)**

- OP34** *Endoscopic disconnection of hypothalamic hamartomas: safety and feasibility of robot-assisted, thulium laser-based procedures*  
**Amedeo Calisto, Georg Dorfmueller, Martine Fohlen, Christine Bulteau, Alfredo Conti, Olivier Delalande** (France, Italy)
- OP35** *A retrospective analysis of outcome after epilepsy surgery in a regional pediatric neuroscience centre*  
**Dmitri Shastin, Suresh Chandrasekaran, G. Sivakumar, Darach Crimmins, C. Ferrie, M. Morrall, V. Gayatri, D. Warren, M. Ray, Paul Chumas** (United Kingdom)
- OP36** *Long-term seizure control outcomes after resection of mesiotemporal glioneuronal tumors: a study of 52 pediatric patients*  
**P. Kowalczyk, P. Daszkiewicz, Marcin Roszkowski** (Poland)
- OP37** *Surgery for drug resistant epilepsy in children – Clinical spectrum, surgical techniques and outcome*  
**Arimappamagan Arivazhagan, Malla Bhaskara Rao, Sinha Sanjib, B.A. Chandramouli, P. Satishchandra** (India)

**15:55-16:05 FLASH PRESENTATIONS FP47-FP49**

- FP47** *Surgical management and long term outcome of pediatric patients with epilepsy and associated cerebral cavernous malformations*  
**Marec von Lehe, Stefan Kuczaty, Christian von der Brélie** (Germany)
- FP48** *Efficacy of the Vagus Nerve Stimulation (VNS) for treatment of refractive epilepsy in the pediatric population: our institutional series*  
**Gemma Garcia-Fructuoso, Mariana Alamar, Santiago Candela, Patricia Puerta, Adriana Ulate-Campos, Javier Aparicio, Francesco Sanmartí, Epilepsy Surgery Unit** (Spain)
- FP49** *Low-grade tumors associated with cortical dysplasia and focal epilepsy: a surgical pediatric case series*  
**Alessandro De Benedictis, Raffaella Messina, Andrea Carai, Angela Mastronuzzi, Erika Rebessi, Carlotta Ginevra Nucci, Paolo Palma, Emidio Procaccini, Carlo Efisio Marras** (Italy)

**16:05-16:10 Discussion**

**16:10-16:30** *Coffee Break • ePosters Viewing*

**16:30-17:00 SPECIAL LECTURE 2**

*Gene therapy – A new field for Pediatric Neurosurgery*  
**Michel Zerah** (France)

**Monday • May 5, 2014 ↻ Plenary Hall (Aula Magna)**

**17:00-18:00 SESSION 7: Quality assessment: complications and positive outcome criteria**

Chairpersons: **Eelco Hoving** (The Netherlands)  
**Chandrashekhare E. Deopujari** (India)

**17:00-17:20 INVITED LECTURE IL08**

*Embryogenesis of secondary malformations of the brain in myelomeningocele*

**Hamilton Matushita** (Brazil)

**17:20-17:30 ORAL PRESENTATION OP38**

**OP38** *Exploring the black box of consenting in Pediatric Neurosurgery: quality assurance at a pediatric neurosurgical centre*

**Adikarige H.D. Silva, Chirag Patel, Haren E. Wijesinghe, Julian J. O'Neill Cahill, Alia Murtaza, Desiderio Rodrigues** (United Kingdom)

**17:30-17:50 FLASH PRESENTATIONS FP50-FP55**

**FP50** *Selective dorsal rhizotomy as a treatment for spasticity in children in all gross motor functional classification system grades: observational study*

**Samiul Muquit, Ismail Ughratdar, Ahmad A. Moussa, Shairbanu Zinna, Harshal Ingale, Rosanna Fielding, Michael Vloeberghs** (United Kingdom)

**FP51** *Preoperative and postoperative urodynamic outcome of tethered cord syndrome in children*

**Ibrahim Alatas, Kerem Ozel, Tuba Tunc, Huseyin Canaz, Serhat Baydin, Osman Akdemir** (Turkey)

**FP52** *Preoperative urodynamic findings of occult spinal dysraphisms in children*

**Ibrahim Alatas, Kerem Ozel, Tuba Tunc, Huseyin Canaz, Serhat Baydin, Akın Gokcedag, Osman Akdemir** (Turkey)

**FP53** *Quality of life in operated pediatric hydrocephalus cases – Experience of 20 years series*

**Alexandru Tascu, Adrian Iliescu, Catalin Pascal, Iulia Vapor, Radu E. Rizea, Adrian Barari, Andrei Spatariu** (Romania)

**FP54** *Selective dorsal rhizotomy as an alternative to intrathecal baclofen pump replacement in GMFCS 4-5 children*

**Ismail Ughratdar, Harshal Ingale, Ahmad A. Moussa, Samiul Muquit, Shairbanu Zinna, Michael Vloeberghs** (United Kingdom)

**FP55** *The importance of “remote” decompressive craniectomy*

**Joseph N. Guilburd, Sergey Abeshaus** (Israel)

**17:50-18:00 Discussion**

## Day 3 - Tuesday, May 6, 2014

### 08:00-10:00 SESSION 8: Craniovertebral junction diseases in childhood

*Joint session with the Indian Society for Pediatric Neurosurgery (INDSPN)*

Chairpersons: **Dominic Thompson** (United Kingdom)  
**Suresh Shankhla** (India)

#### 08:00-08:30 INVITED LECTURE IL09

*Management of CVJ anomalies in children – A personal experience*  
**Vijendra K. Jain** (India)

#### 08:30-09:05 ORAL PRESENTATIONS OP39-OP41b

**OP39** *Craniovertebral junction pathological features and their management in the mucopolysaccharidoses*

**Erik Pietro Sganzerla, Andrea Trezza, Alessandro Versace, Grimaldi Marco, Rossella Parini, Carlo Giorgio Giussani** (Italy)

**OP40** *Combined videoassisted and microsurgical transoral approach to the craniovertebral junction: personal experience in childhood*

**Massimiliano Visocchi, Gianluca Trevisi, Gianpiero Tamburrini, Luca Massimi, Concezio Di Rocco, Massimo Caldarelli** (Italy)

**OP41** *Neurosurgery of “os odontoideum” associated with craniocervical junction instability in childhood. Comparison between sublaminar wires and lateral masses screws with titanium rods*

**Massimiliano Visocchi, Gianluca Trevisi, Gianpiero Tamburrini, Luca Massimi, Concezio Di Rocco, Massimo Caldarelli** (Italy)

**OP41b** *CV junction problems in Morquio’s syndrome and mucopolysaccharidosis*  
**Chidambaram Balasubramaniam** (India)

#### 09:05-09:35 INVITED LECTURE IL10

*Transoral odontoidectomy – An endoscopic perspective*  
**Chandrashekhare E. Deopujari** (India)

#### 09:35-09:50 FLASH PRESENTATIONS FP56-FP60

**FP56** *The Chiari disease and cervical syringomyelia: can transoral decompression be the etiological therapy?*

**Massimiliano Visocchi, Gianluca Trevisi, Gianpiero Tamburrini, Luca Massimi, Concezio Di Rocco, Massimo Caldarelli** (Italy)

**FP57** *Hinbrain translocation in patients with hindbrain hernia - Chiari I malformation, after foramen magnum decompression*

**Vassilios Tsitouras, Spyros Sgouros** (Greece)



**Tuesday • May 6, 2014 🐾 Plenary Hall (Aula Magna)**

- FP58** *Chiari 2 malformation and syringomyelia in a series of 236 patients with myelomeningocele*  
**Giuseppe Talamonti, Giuseppe D'Aliberti, Marco Picano, Alberto Debernardi, Tiziana Redaelli, Moreno Bolzon (Italy)**
- FP59** WITHDRAWN
- FP60** *Chiari malformation and hydrocephalus in patients with tethered cord syndrome*  
**Angela Bravo, Joaquim Correia, Eulalia Calado, Jose Cabral (Portugal)**

**09:50-10:00 Discussion**

**10:00-10:30 Coffee Break • ePosters Viewing**

**10:30-11:30 SESSION 9: Craniovertebral junction and Chiari**

Chairpersons: **Guirish Solanki (United Kingdom)**  
**Harold Rekate (USA)**

**10:30-10:50 INVITED LECTURE IL11**

*In a fix about fixation in the pediatric spine*  
**Sandip Chatterjee (India)**

**10:50-11:05 ORAL PRESENTATIONS OP42-OP43**

- OP42** *Chiari I malformation: should we operate pictures or children? Proposal of a diagnostic and therapeutic flow chart based on the retrospective analysis of 450 monoinstitutional cases*  
**Laura Grazia Valentini, V. Saletti, Luisa Chiapparini, Maria Giovanna Pecoraro, E. Beretta, Marika Furlanetto (Italy)**
- OP43** *Headache outcomes in children undergoing foramen magnum decompression for Chiari I malformation*  
**Saba Raza-Knight, Kshitj Mankad, Prab Prabhakar, Dominic Thompson (United Kingdom)**

**11:05-11:15 FLASH PRESENTATIONS FP61-FP63**

- FP61** *The association of Chiari malformation type 1 and closure of sagittal suture*  
**Giovanna Paternoster, Eric Arnaud, Michel Zerah, P. Meyer, Tatiana Protzenko, Stephanie Puget, Thomas Blauwblomme, Christian Sainte-Rose, F. Brunelle, D. Renier, Federico Di Rocco (France)**



**Tuesday • May 6, 2014** 🐾 **Plenary Hall (Aula Magna)**

- FP62** *Tailored foramen magnum decompression for the treatment of Chiari I malformation using intra-operative ultrasound*  
**Benedetta Pettorini, Ganesalingam Narenthiran, William John Kitchen, Christos Chamilos, Bassel Zebian** (United Kingdom)
- FP63** *Clinical treatment and diagnostic criteria for Chiari I and Chiari 0 malformation in pediatric patients*  
**Miroslav Gjurasin, Josip Marjanovic, Tonci Grmoja, Goran Roic, Ljiljana Popovic, Djurdjica Moscatello** (Croatia)

**11:15-11:30 Discussion**

**11:30-12:30 SATELLITE LUNCHEON SYMPOSIUM 2**

*Industry sponsored (see page 14)*

**12:00-13:00 Lunch Break • ePosters Viewing**

**13:00-14:40 SESSION 10: Spine**

Chairpersons: **Michel Zerah** (France)  
**José Hinojosa** (Spain)

**13:00-13:20 INVITED LECTURE IL12**

*Dysraphism beyond childhood – An experience of adult tethered cord*  
**Deepak Gupta** (India)

**13:20-13:35 ORAL PRESENTATIONS OP44-OP45**

**OP44** *Congenital spinal dermal tract: magnetic resonance imaging underestimates intradural pathology*

**Martin Tisdall, Dominic Thompson** (United Kingdom)

**OP45** *Feasibility, safety and prognostic value of extended intraoperative monitoring during surgery for pediatric spinal dysraphism*

**Georgios Naros, Marina Liebsch, Artemisia Dimostheni, Martin U. Schuhmann** (Germany)

**13:35-13:55 FLASH PRESENTATIONS FP64-FP70b**

**FP64** *Neurological and urological outcomes of tethered cord syndrome surgery in children*

**Yusuf Izci, Ozkan Tehli, Serhat Pusat, Cahit Kural, Mehmet Daneyemez** (Turkey)





## Tuesday • May 6, 2014 🐾 **Plenary Hall (Aula Magna)**

- FP65** *Treatment of pediatric vertebral hemangiomas with absolute alcohol (ethanol) embolization, cord decompression and single level instrumentation: a single institute experience*  
**Pankaj Singh, Sarat P. Chandra, Bhawani Sharma** (India)
- FP66** *Dorsal rhizotomy for spasticity in diplegic children. Minimally invasive staged-interlaminar approach, clinical monitoring and intraoperative EMG topographical mapping and electrophysiological testing*  
**George Georgoulis, Andrei Brinzeu, Patrick Mertens, Marc Sindou** (France)
- FP67** *Symptomatic intraspinal exostoses – Case series of five children*  
**Philip Kunkel, Tim Hißnauer, Christian Hagemann** (Germany)
- FP68** *Clinical classification, surgical treatment and curative effect analysis in children with tethered cord syndrome*  
**Aijia Shang, Yuanzheng Zhang, Cheng Cheng, Dongyuan Cheng** (China)
- FP69** *Intraoperative tomography to complex surgeries of the spine in children*  
**Ricardo Gepp, Marco Quiroga, Henrique Sousa, Marcio Cardoso** (Brazil)
- FP70** *When to operate a patient with tethered cord syndrome?*  
**Angela Bravo, Joaquim Correia, Eulalia Calado, Jose Cabral** (Portugal)
- FP70b** *Tethered cord syndrome – Surgery, pathology and outcomes*  
**Neelam Krishnan Venkataramanaa, S.K.Shankar** (India)

**13:55-14:05** **Discussion**

**14:05-14:30** **FLASH PRESENTATIONS FP71-FP78**

- FP71** *Optimized diagnosis of Tethered Spinal Cord (TSC) with MRI in prone position*  
**Amin Hashemi, Jessica Jesser, Angelika Seitz, Andreas Unterberg, Heidi Bächli** (Germany)
- FP72** *Spinal lipoma – To operate or just to observe?*  
**František Horn, Jan Chochol, Dana Dubravova, Michal Petrik, Eva Valachovicova, Martin Smrek** (Slovak Republic)
- FP73** *Myelomeningocele repair with additional layer of thoracolumbar fascia*  
**Suhail Ahmed Aghani** (Pakistan)
- FP74** *Preoperative urodynamic evaluation of spina bifida in neonates: a preliminary clinical study*  
**Ibrahim Alatas, Kerem Ozel, Huseyin Canaz, Serhat Baydin, Akın Gokcedag, Bulent Ozdemir, Osman Akdemir** (Turkey)

**Tuesday • May 6, 2014 ➤ Plenary Hall (Aula Magna)**

- FP75** *Pediatric spine injuries – A retrospective analysis of peculiarities and patterns over a decade*  
**Arimappamagan Arivazhagan, Arun Babu, B. Indira Devi, Somanna Sampath, B.A. Chandramouli** (India)
- FP76** *Complications of instrumentation in the cervical spine and craniovertebral junction in paediatric patients – An analysis of 141 cases*  
**Sandip Chatterjee** (India)
- FP77** *Evaluation of anorectal manometry in patients with spina bifida: a preliminary report*  
**Ibrahim Alatas, Kerem Ozel, Huseyin Canaz, Serhat Baydin, Akın Gokcedag, Bulent Ozdemir, Osman Akdemir** (Turkey)
- FP78** *Experience on 131 cases of pediatric tethered cord syndrome in a single institution (2006-2013)*  
**S.Ç. Önal, Y. Akyuva, T. Ateş, G. Reşitoğlu, Ö. Tarım, A. Takmaz, C.Ö. Çakır, E. Gedik** (Turkey)

**14:30-14:40 Discussion**

**14:40-15:40 SATELLITE SYMPOSIUM 2**

*Industry sponsored (see page 14)*

**15:40-16:00 Coffee Break • ePosters Viewing**

**16:00-17:30 SESSION 11: New technologies in Pediatric Neurosurgery**

Chairpersons: **William J. Harkness** (United Kingdom)  
**Gemma Garcia-Fructuoso** (Spain)

**16:00-16:50 ORAL PRESENTATIONS OP46-OP51**

- OP46** *Quality of life outcome after selective dorsal rhizotomy – Initial experience*  
**Ian Anderson, Dmitri Shastin, Alec Musson, Kate McCune, Michael Clarke, John Goodden** (United Kingdom)
- OP47** *Change of cortical motor program in magnetencephalographie (MEG) studies in late accessory to suprascapular nerve transfer in obstetric brachial plexus lesions*  
**Willem J.R. van Ouwkerk, A Hillebrand, B van Dijk** (The Netherlands)

**Tuesday • May 6, 2014 ➤ Plenary Hall (Aula Magna)**

- OP48** *Single-center surgical experience with the frameless Robotized Stereotactic Assistant (ROSA) system*  
**Emidio Procaccini, Alessandro De Benedictis, Elisabetta Genovese, Raffaella Messina, Paolo Palma, Andrea Carai, Carlotta Ginevra Nucci, Olivier Delalande, Carlo Efisio Marras** (Italy)
- OP49** *Management strategy in pediatric moyamoya angiopathy: the Zurich Moyamoya Center experience*  
**Nadia Khan, Dubravka Deanovic, Martin Hoelzle, Martina Hug, Annette Hackenberg, Alfred Buck, Gerasimos Baltasvias** (Switzerland)
- OP50** *Multiple tailor-made cerebral revascularizations in pediatric moyamoya patients performed at the Moyamoya Center University Children's Hospital Zurich*  
**Nadia Khan, Dubravka Deanovic, Martin Hoelzle, Martina Hug, Annette Hackenberg, Alfred Buck, Gerasimos Baltasvias** (Switzerland)
- OP51** *Place of virtual simulation in Neurosurgery: a comparison between Pediatric and Adult Neurosurgery*  
**Marc Zanello, Michel Zerah, Christian Sainte-Rose, Federico Di Rocco** (France)

**16:50-17:25 FLASH PRESENTATIONS FP79-FP88b**

- FP79** *Bone osteosynthesis in cranioplastic surgery with resorbable plates on the endocranial surface of the cranial bone*  
**Niina Salokorpi, Tarja Iber, Juha-Jaakko Sinikumpu, George Sándro, Willy Serlo** (Finland)
- FP80** *New anatomical simulator for pediatric neuroendoscopic training*  
**Giselle Coelho, Samuel Zymberg, Marcos Lyra, Benjamin Warf** (Brazil, USA)
- FP81** *Post-marketing surveillance of CustomBone™ implanted in children under 7 years old*  
**Paolo Frassanito, Gianpiero Tamburrini, Luca Massimi, Concezio Di Rocco, Angelo Nataloni, Massimo Caldarelli** (Italy)
- FP82** *Use of "surgeon assisted" neurophysiological monitoring system for pediatric spinal neurosurgery*  
**Benedetta Pettorini, Bassel Zebian, William John Kitchen, Christos Chamilos, Ganesalingam Narenthiran** (United Kingdom)

**Tuesday • May 6, 2014 ➤ Plenary Hall (Aula Magna)**

- FP83** *Anatomical pediatric model for craniosynostosis surgical training*  
**Giselle Coelho, Benjamin Warf, Marcos Lyra, Nelci Zanon**  
(Brazil, USA)
- FP84** *Use of intraoperative CT scanning in brain tumor surgery: 3-year experience in a single pediatric center*  
**Pietro Spennato, Claudio Ruggiero, Giuseppe Mirone, Ferdinando Aliberti, Valentina Cioffi, Giuseppe Cinalli** (Italy)
- FP85** *Piezosurgery<sup>®</sup> in Pediatric Neurosurgery*  
**Paolo Frassanito, Gianpiero Tamburrini, Luca Massimi, Concezio Di Rocco, Massimo Caldarelli** (Italy)
- FP86** *Juvenile amyotrophy of the distal upper extremity (Hirayama disease): case series and surgical management*  
**Laura Grazia Valentini, Giuseppe Piscosquito, Luisa Chiapparini, Donatella Milani, Cecilia Casali, Marika Furlanetto** (Italy)
- FP87** *The use of ultra-low field iMRI in the treatment of pediatric brain tumors*  
**Ozkan Tehli, Bülent Düz, Serdar Kaya, Süleyman Deniz, Mehmet Daneyemez, Engin Gönül** (Turkey)
- FP88** *Intraoperative low-field MRI for pediatric brain surgery: our initial experience with the PoleStar N-30*  
**Lara Galbarriatu, Jon Aurrecochea, Gregorio Catalán, Edurne Ruiz de Gopegui, Guillermo Carbayo, Gaizka Bilbao, Alejandro Carrasco, Alfonso Igartua, Ianire Hernández, Jone Iglesias, Javier Altamirano, Patricia Muñoz, Iñigo Pomposo** (Spain)
- FP88b** *Cosmesis and consistency in constructive surgery*  
**Hannes Haberl, Mascha Hochfeld** (Germany)

**17:25-17:30 Discussion**



## Day 4 ▪ Wednesday, May 7, 2014

### 08:00-10:00 SESSION 12: Advances in Pediatric Oncology I

Chairpersons: **Conor Mallucci** (United Kingdom)  
**Willem J.R. van Ouwerkerk** (The Netherlands)

#### 08:00-08:20 INVITED LECTURE IL13

*What progress has been made in medulloblastoma management during the past 20 years?*

**Maurice Choux** (France)

#### 08:20-09:15 ORAL PRESENTATIONS OP52-OP58

**OP52** *Pediatric chordomas: a series of 31 cases and review of the literature*  
**Kevin Beccaria, Stephanie Puget, P. Varlet, A. Cazoria, S. Bolle, B. George, Michel Zerah, Christian Sainte-Rose** (France)

**OP53** *Cyclin D1 gene and protein expression in intracranial ependymomas: correlation with supratentorial localization*  
**Fernanda Andrade, Suely K. Marie, Hamilton Matushita, Sergio Rosemberg, Sueli Oba-Shinjo** (Brazil)

**OP54** *Expression of tumor associated macrophage markers in pediatric glioblastoma*  
**Arimappamagan Arivazhagan, S.D. Shwetha, N. Abhishek, K. Sravani, Santosh Vani** (India)

**OP55** *Integrated proteomic platforms for studying pediatric brain tumor diseases*  
**Claudia Desiderio, Luca D'Angelo, Claudia Martelli, Iliaria Inserra, Irene Messana, Massimo Castagnola, Gianpiero Tamburrini, Concezio Di Rocco, Massimo Caldarelli** (Italy)

**OP56** *Meningiomas in children: report of a consecutive series of 60 cases*  
**Stephanie Puget, P. Varlet, N. Travers, C. Dufour, M. Bourgeois, N. Boddaert, Thomas Blauwblomme, Michel Zerah, Christian Sainte-Rose** (France)

**OP57** *Pineal tumors in children: report of a consecutive series of 101 cases*  
**N. Chivoret, P. Varlet, C. Dufour, N. Boddaert, Thomas Blauwblomme, Kevin Beccaria, Michel Zerah, Christian Sainte-Rose, Stephanie Puget** (France)

**OP58** *Brain tumors in children with refractory seizures – A long-term follow up study after epilepsy surgery*  
**Marec von Lehe, Susanne Bartels, Robert Sassen, Christoph Schöne-Bake, Caroline Wessling** (Germany)

**Wednesday • May 7, 2014 ➤ Plenary Hall (Aula Magna)**

**09:15-09:30 FLASH PRESENTATIONS FP89-FP93**

- FP89** *Epidemiology in children treated for intracranial tumors in Ukraine 1980-2009*  
**Yuriy A. Orlov, Andrii V. Shaverskyi, Pavlo N. Plavskyi** (Ukraine)
- FP90** *Presentation, pathology, and treatment outcome of brain tumors in 172 consecutive children at CURE Children's Hospital of Uganda. The predominance of the visible diagnosis and the uncertainties of epidemiology in sub-Saharan Africa*  
**Vita Stagno, John Mugamba, Benjamin C. Warf** (Uganda, USA)
- FP91** *The burden of radiation induced cerebral cavernous malformations on Pediatric Oncology*  
**Eugenio Pozzati** (Italy)
- FP92** *Optic Pathways Gliomas (OPW) in children. Single institutional experience*  
**Magda Garzón Tarazona, Ofelia Cruz Martinez, Mariona Suñol, Gemma Garcia-Fructuoso** (Spain)
- FP93** *Cerebellar Low Grade Gliomas (CLGG) in children: surgical institutional experience*  
**Magda Garzón Tarazona, Ofelia Cruz, Mariona Suñol, Antonio Guillen, Santiago Candela, Mariana Alamar, Gemma Garcia-Fructuoso** (Spain)

**09:35-09:40 Discussion**

**09:40-09:55 FLASH PRESENTATIONS FP94-FP98**

- FP94** *Surgery and radiotherapy in childhood craniopharyngioma: impact on neuropsychological functions*  
**Daniela Chieffo, Gianpiero Tamburrini, S. Chiesa, Luca Massimi, R. Rubbino, M. Balducci, Concezio Di Rocco, Massimo Caldarelli** (Italy)
- FP95** *Expedient approaches for craniopharyngioma surgery: micro and endoscopic hybrid surgery*  
**Hidehiro Oka, Mari Kusumi, Koji Kondo** (Japan)
- FP96** *Brain tumors in children 0-3 years old*  
**Alexandru Tascu, Iulia Vapor, Adrian Iliescu, Catalin Pascal, Radu Eugen Rizea, Andrei Spatariu, Adrian Barari, Irina Tudose** (Romania)
- FP97** *Molecular biological aspects of medulloblastomas in children under 3 years of age*  
**Eva Brichtova, Karel Zitterbart, Zdenek Pavelka, Jaroslav Sterba** (Czech Republic)



**Wednesday • May 7, 2014** ➤ **Plenary Hall (Aula Magna)**

**FP98** *Medulloblastoma in 361 children*  
**Yuriy A. Orlov, Andrii V. Shaverskyi, Pavlo N. Plavskyi** (Ukraine)

**09:55-10:00** **Discussion**

**10:00-10:30** *Coffee Break • ePosters Viewing*

**10:30-12:15** **SESSION 13: Advances in Pediatric Oncology II**

Chairpersons: **Wolfgang Wagner** (Germany)  
**Carmine Mottolese** (France)

**10:30-10:50** **INVITED LECTURE IL14**  
*Clinical genomics in Neuro-oncology*  
**Stefan Pfister** (Germany)

**10:50-11:35** **ORAL PRESENTATIONS OP59-OP64**

**OP59** *Intraoperative MRI-guidance in pediatric low grade glioma surgery – Advantages and challenges*  
**Constantin Roder, Martin Bretkopf, Artemisia Dimostheni, Sotirios Bisdas, Marcos S. Tatagiba, Martin U. Schuhmann** (Germany)

**OP60** *Thalamic tumors in children: evaluation of surgical strategy*  
**Benedetta Pettorini, Barry Pizer, Amit Kanwar, Shivaram Avula, Conor Mallucci** (United Kingdom)

**OP61** *Advantages and risks of the combined unilateral frontobasal / interhemispheric approach compared to more lateral approaches in pediatric craniopharyngeomas*  
**Martin U. Schuhmann, Jürgen Honegger, Marcos Tatagiba, Artemisia Dimostheni** (Germany)

**OP62** *Resective surgery in thalamic tumors in children*  
**Giuseppe Cinalli, Daniel Aguirre, Pietro Spennato, Claudio Ruggiero, Giuliana Di Martino, Vincenzo Trischitta** (Italy)

**OP63** *The role of endoscopic evidence of accidental findings suspected for ventricular metastatic dissemination in children with new diagnosed medulloblastoma and triventricular obstructive hydrocephalus*  
**Barbara Spacca, Raffaele Scrofani, Piertarturo Donati, Lorenzo Genitori, Flavio Giordano, Federico Mussa, Iacopo Sardi, Maurizio Aricó, Luigi Sardo, Mirco Scagnet, Regina Mura, Massimiliano Sanzo** (Italy)



**Wednesday • May 7, 2014** ➤ **Plenary Hall (Aula Magna)**

**OP64** *Awake surgery for lesions in critical areas in children: our experience with 9 cases*  
**Alexandru Szathmari, Pierre-Aurelien Beuriat, Michel Desmurget, Angela Sirigu, Frederic Dailier, Jacqueline Convert, Carmine Mottolese** (France)

**11:35-12:05** **FLASH PRESENTATIONS FP99-FP107**

**FP99** *The choice of surgical approach for thalamic tumors*  
**M. Smrčka, E. Brichtová, V. Juráš** (Czech Republic)

**FP100** *Posterior cranial fossa pediatric brain tumors: a comparative proteomic study*  
**Luca D'Angelo, Claudia Martelli, Diana Valeria Rossetti, Marta Caretto, Federica Iavarone, Massimo Castagnola, Gianpiero Tamburrini, Concezio Di Rocco, Massimo Caldarelli, Claudia Desiderio** (Italy)

**FP101** *Choroid plexus tumors in children*  
**Hamilton Matushita, Daniel Cardeal, Fernanda de Andrade, Adriana Espindola** (Brazil)

**FP102** *The use of iCT Brain suite for frame based stereotactic biopsies in the pediatric setting. Practicality, use and results*  
**Jane Skjøth-Rasmussen, Bo Jespersen, Jannick Brennum** (Denmark)

**FP103** *Childhood brain tumors of posterior fossa and midline structures*  
**Martina Messing-Jünger, Harald Reinhard** (Germany)

**FP104** *Spinal tumors in children*  
**Martina Messing-Jünger, Harald Reinhard** (Germany)

**FP105** *Congenital and infantile tumors: pathology and outcome in Europe and Asia – A 15 year review*  
**Guirish A. Solanki, Sandip Chaterjee** (United Kingdom, India)

**FP106** *Online survey on management of pediatric craniopharyngiomas*  
**Benedetta Pettorini, Barry Pizer, Imran Bhatti, Ganesalingam Narenthiran, Conor Mallucci** (United Kingdom)

**FP107** *Signs and symptoms of pediatric brain tumors and diagnostic value of preoperative EEG*  
**Matthias Preuß, Jürgen Meixensberger, Andreas Merckenschlager, Matthias K. Bernhardt** (Germany)

**12:05-12:15** **Discussion**

**12:15-13:45** *Lunch Break • ePosters Viewing*



**Wednesday • May 7, 2014 ➤ Plenary Hall (Aula Magna)**

**13:45-15:30 SESSION 14: Endoscopy**

Chairpersons: **Yusuf Ersahin** (Turkey)  
**Owen Sparrow** (United Kingdom)

**13:45-14:05 INVITED LECTURE IL15**

*Neuroendoscopy – Lesson learnt*  
**Nelci Zanon** (Brazil)

**14:05-14:40 ORAL PRESENTATIONS OP65-OP68**

**OP65** *Endoscopic trans-sphenoidal surgery in children: 8-year institutional experience*

**Paolo Frassanito, Luca Massimi, Mario Rigante, Gianpiero Tamburrini, Concezio Di Rocco, Gaetano Paludetti, Massimo Caldarelli** (Italy)

**OP66** *What is the role of MRI in ETVSS era?*

**Jerome Cochereau, Nicolas Leboucq, Cyril James, Philippe Coubes, Alain Bonafé, Thomas Roujeau** (France)

**OP67** *Endoscopic endonasal surgery in pediatric craniopharyngiomas*

**Diego Mazzatenta, Matteo Zoli, Adelaide Valluzzi, Ernesto Pasquini, Giorgio Frank** (Italy)

**OP68** *Change in optic nerve sheath diameter as a radiological marker of ETV outcome*

**Llewellyn Padayachy, Lucas Chamberlain, Henri Carrara, Anthony Figaji, Graham Fieggen** (South Africa)

**14:40-14:55 FLASH PRESENTATIONS FP108-FP112**

**FP108** *Quadrigeminal arachnoid cyst: is endoscopic treatment “the best”?*

**Vivek Tandon, Kanwaljeet Garg, Rajinder Kumar, Ashish Suri, Sarat P. Chandra, Bhawani Shankar Sharma** (India)

**FP109** *Neuroendoscopic management in patients with Dandy-Walker malformation*

**Yusuf Ersahin** (Turkey)

**FP110** *The role of endoscopic third ventriculostomy in the management of CSF shunt malfunction*

**Mino Zucchelli, Francesca Nicolini, Mariella Lefosse, Ercole Galassi** (Italy)

**FP111** *Cauterization of third ventricular floor in endoscopic third ventriculostomy*

**Mohamed Ellabbad, Ibrahim Ewaiss, Adel Mansour, Mohamed Essa** (Egypt)

**Wednesday • May 7, 2014** 🐾 **Plenary Hall (Aula Magna)**

**FP112** *Simplification of shunt catheter using neuroendoscope for multilobular hydrocephalus caused by intraventricular cysts and trapped fourth ventricle*

**Ryuji Ishizaki, Takafumi Wataya, Yuzuru Tashiro** (Japan)

**14:55-15:00** **Discussion**

**15:00-15:20** **FLASH PRESENTATIONS FP113-FP118**

**FP113** *MRI morphometric measurements of the third ventricle in children with hydrocephalus due to aqueductal stenosis treated with ETV*  
**Vassilios Tsitouras, Spyros Sgouros** (Greece)

**FP114** *Fever following neuroendoscopic procedures in children*  
**Erwin M.J. Cornips, Suzanne L. De Kunder, Kim Rijkers, Johan S.H. Vles** (The Netherlands)

**FP115** *3rd endoscopic ventriculostomy in A. Chiari II patients. A ten years follow-up*  
**Silvio Machado** (Brazil)

**FP116** *The use of subcutaneous reservoirs to prevent intraventricular stent migration*  
**Bassel Zebian, William John Kitchen, Christos Chamilos, C. Parks, Benedetta Pettorini, Conor Mallucci** (United Kingdom)

**FP117** *Large cavum veli interpositi cyst: discussion of two cases*  
**Carlo Giorgio Giussani, Andrea Trezza, Leonardo Fiori, Erik Pietro Sganzerla** (Italy)

**FP118** *Is there a possibility to avoid the development of trapped fourth ventricle in children?*  
**Heidi Bächli, Amin Hashemi, Andreas Unterberg** (Germany)

**15:20-15:30** **Discussion**

**15:30-16:00** *Closing Ceremony*

**16:00-18:00** **ESPN Business Meeting**

ESPN Members only