

46th Annual Meeting of International Society for Pediatric Neurosurgery, Scientific program

Monday, 8 October 2018

Hours	Hall A	Hours	Hall B
		07:00 - 07:50 07:00-07:25 07:25-07:50	Early Riser: Annie Huang and Shay-Ben Sachar Changing the natural history of lethal, rare embryonal cancers, Annie Huang Genetic testing in Neurofibromatosis: 2018 update for the paediatric Neurosurgeon, Shay-Ben Sachar
08:00 - 08:10	Welcome and Introduction		NURSING SYMPOSIUM SCIENTIFIC PROGRAM
08:10 - 10:35	Neuro-Oncology Session <i>Chairs:</i>	09:00-09:05	Opening & Welcome Shlomi Constantini - Israel
08:10 - 08:30	New approaches in Medulloblastomas - setbacks and the way forward , Roger Packer	09:05-11:00	Nursing Session - 1 Chairs:
08:30 - 08:50	Update on Radiation Treatment in Ependymoma , Thomas Merchant	09:05-09:35	The world of pediatric neurosurgery , Graham Fieggen - Republic of South Africa
08:50 - 09:10	Low grade glioma in children and young adult. Molecular therapies lead the way , Uri Tabori	09:35-09:40	Questions
09:10 - 09:18	PF-001 - Genomic Analyses Revealed Secondary Glioblastoma after Radiotherapy in a Subset of Recurrent Medulloblastomas , Seung Ki Kim		09:40-09:45 NS-001 Staff Stress in paediatric neurosurgery , Lindy May - United Kingdom
09:18 - 09:26	PF-002 Results of the combined treatment of childhood craniopharyngioma. A review of 210 cases , Sergey Kirillovich Gorelyshev		09:45-09:55 NS-002 Challenges of caring for neurosurgical paediatric patients at a tertiary hospital with basic training in nursing , Lydia Vero N Ssenyonga - Uganda
09:26 - 09:34	PF-003 Neurofibromin deficiency alters brain-wide intrinsic functional organization of the developing brain , Ben Shofty		09:55-10:05 NS-003 Nursing aspects of emergent and elective humanitarian pediatric neurosurgical care provided to Syrian refugees in Israel. Galilee Medical Center experience , Yehuda Suissa - Israel
09:34 - 09:42	PF-004 MicroRNA-mRNA expression profiles can differentiate medulloblastoma subgroup 3 and 4 , Sivan Gershanov		10:05-10:10 Questions
09:42 - 09:50	PF-005 Safety of ultrasound-induced blood-brain barrier opening in pediatric patients with refractory sus-tentorial malignant brain tumors before chemotherapy administration – The SONOKID clinical trial , Kevin Beccaria		10:10-10:20 NS-004 Invasive Telemetry Monitoring and patients' with behaviour problems and developmental delays. Exploring procedural risks and compliance within this patient cohort , Orla Hayes - United Kingdom
09:50 - 09:58	PF-006 Phase 1 Study using the IDO-inhibitor indoximod in combination with radiation and chemotherapy for children with progressive brain tumors (NCT02502708) , Ian M Heger		10:20-10:40 NS-005 Pre-empting potential risk factors associated with subdural empyema and tailoring nursing care to combat these , Jacinta Leonard - United Kingdom
09:58 - 10:06	PF-085 Suprasellar Germ Cell Tumors in Childhood , Tadanori Tomita		10:40-10:50 NS-006 The necessity for unique training program to pediatric nurses for treating non-oncological terminally ill children , Leali Yongi Halfon -Israel
10:06 - 10:10	Discussion		10:50-11:00 Questions
10:10-10:35	Flash Presentations FL-001 10 year surgical outcomes of paediatric brain tumour surgery in Alder Hey Children's NHS Foundation Trust , Conor Malluci FL-002 Clinical Features of 1027 Tumors of Central Nervous System in Children: Single Institutional Report from Shanghai Xinhua Hospital, the Founding Member of CNOG , Jie Ma FL-005 Medulloblastoma surgery: does molecular subgroup matter? , Andrea Carai FL-006 Involvement of Tumor Suppressor p53 in Medulloblastoma Subtypes: Finding Therapeutic Targets , Meena Jhanwar Uniyal FL-008 Functional connectivity of the cerebellum – A systematic review , Thomas Beez FL-009 Pediatric Posterior Fossa Incidentalomas: The Role of Individualized Judgment , Danil A. Kozvrev Discussion		11:00-11:15 COFFEE BREAK
10:35 - 11:00		COFFEE BREAK	

11:00 - 12:50	Neuro-Oncology Session <i>Chairs:</i>		Nursing Session - 2 <i>Chairs:</i>
11:00 - 11:20	Pineal tumours - posterior interhemispheric approach , Richard Ellenbogen		11:15-11:25 NS-007 Nursing Management of External ventricular drainage in children with hydrocephalus secondary to posterior fossa tumor, Amit Shiffer - Israel
11:20 - 11:40	Clinical characterization and management of peripheral nerve sheath tumors in neurofibromatosis type 1 , Brigitte Widemann		11:25-11:35 NS-008 Pediatric endoscopic third ventriculostomy from a nursing perspective (initial single-center experience), Victoria Danko - Ukraine
11:40 - 11:48	PF-007 Pineal tumors in children: the French Register and the Lyon experience , Carmine Mottolese		11:35-11:45 NS-009 Low Pressure Hydrocephalus in Children: Nursing Implications, Julie Miller - USA
11:48 - 11:56	PF-008 Neuroendoscopic management for pineal tumors in pediatric patients , Sergio R Valenzuela		11:45-11:55 NS-010 Nursing aspects of the IHS study (International Infant Hydrocephalus Study), Orna Friedman - Israel
11:56 - 12:04	PF-009 Optic pathway gliomas and their volumetric response to chemotherapy: threshold for improvement vs. treatment failure , Joel S Katz		11:55-12:00 Questions
12:04 - 12:12	PF-010 Predicting optic pathway glioma progression using magnetic resonance image analysis and machine learning , Jared M. Pisapia		12:00-12:10 NS-011 Neurosurgeon Opinions Related to Surgery for Metopic Craniosynostosis, Cathy Cartwright - USA
12:12 - 12:17	Discussion		12:10-12:20 NS-012 Case study: Nursing implication of Craniotomy for elevation of split thickness calvarian bone graft to repair a posterior fossa defect, Esther K Uy - USA
12:17-12:25	PF-012 Feasibility and Safety of Awake Brain Surgery in Children , Laura Nanna Lohkamp		12:20-12:30 NS-013 Case Report and Review of Aneurysmal Bone Cyst of the Cervical Spine in an Adolescent, Julie Miller - USA
12:25 - 12:33	PF-013 The benefit of Surveillance Imaging for Paediatric Cerebellar Low Grade Glioma , Conor Mallucci		12:30-12:40 NS-014 Posterior Fossa Bony Defect of Unknown Etiology, Management and Correction, Kamilah A. Dowling
12:33 - 12:41	PF-014 Management of NF2-associated vestibular schwannomas in children and young adults: influence of surgery on tumor volume and growth rate , Martin U Schuhmann		12:40-12:45 Questions and Closing
12:41 - 12:45	Flash Presentations FL-010 Retrospective analysis of the clinical characteristics, therapeutic aspects, and prognosis factors of 18 cases of childhood pineoblastoma , Yongji Tian Discussion		
12:50 - 14:00	LUNCH		
13:00-14:00	13:00 - 13:50 Industry Luncheon Symposium		
14:00 - 15:30	Parallel Session: Dysraphism/ General <i>Chairs:</i>	14:00 - 15:30	Parallel Session: Hydrocephalus <i>Chairs:</i>
14:00 - 14:08	PF-015 Surgery for spinal lipomas based on a new classification system , Nobuhito Morota	14:00 - 14:08	PF-030 Treatment of Post-hemorrhagic Hydrocephalus (TROPHY) Registry Study – The Study Concept , Ulrich W. Thomale
14:08 - 14:16	PF-016 Prospective survey of folate supplementation in pediatric spina bifida clinic supports the need for universal fortification , Jeff Blount	14:08 - 14:16	PF-031 Magnetic Resonance Elastography in Chronically Shunted Hydrocephalus , Andrew J Kobets
14:16 - 14:24	PF-017 Posterior Vertebral Column Subtraction Osteotomy for the Treatment of Tethered Cord Syndrome: A prospective Outcome Study , Mari L Groves	14:16 - 14:24	PF-032 A New Bioinspired Device for Non-Invasive Restitution of Flow in Obstructed CSF Shunts: Concept, Design, and FDA Approval , Joseph R Madsen
14:24 - 14:32	PF-018 Neurosphere formation potential resides not in the caudal cell mass, but in the secondary neural tube , Ji Yeoun Lee	14:24 - 14:32	PF-033 Infant external hydrocephalus: A cerebro-venous related disease , Susanne Regina Kerscher
14:32 - 14:40	PF-021 Experience and Novel techniques in Management of 25 cases of Neuroenteric Cysts , Lalgudi Harischandra	14:32 - 14:40	PF-034 Inadvertent Cerebral Spinal Fluid Shunt Valve Reprogramming: Prevalence and Correlation with Signs, Symptoms, Radiographic Changes, and Exposure to Magnetic Fields , Carrie J Young
14:40 - 14:48	PF-022 Transition from subtotal to near total/radical resection of spinal cord lipoma - Is it safe? , Fozia Saeed	14:40 - 14:48	PF-035 Wound dehiscence after CSF shunt surgery: Options for surgical management , Wolfgang Wagner
14:48-14:50	Discussion	14:50 - 15:30	Flash Presentations
14:50 - 15:15	Flash Presentations FL-014 Correlating intraoperative monitoring data in surgery for a tethered cord with long term outcome: How close can we get? , Suhas Udayakumaran FL-015 Is Limited Dorsal Myeloschisis truly a benign form of Spinal Dysraphism as postulated??? A series of 15 cases at a Tertiary Level Hospital , Shashank Ravindra Ramdurg FL-016 Expression of GST-sigma in Fetal and Pediatric Tethered Cord Filum Terminale Samples: A Comparative Study , Yusuf Izci FL-017 Congenital dermal sinus and limited dorsal myeloschisis: "spectrum disorders" of incomplete dysjunction between cutaneous and neural ectoderms , Kyu Chang Wang FL-018 Assessment of clinical, radiological, urological profile and their outcome after surgery in children with spinal dysraphism - a prospective study , Shighakolli Ramesh FL-019 Postnatal Evaluation of Children After Open Fetal Surgery for Myelomeningocele , Daniel Dante Cardeal FL-020 Urodynamic studies are useful for identifying neurogenic bladder in children with sacrococcygeal dimples , Goichiro Tamura Discussion		FL-022 Laparoscopic revision of ventriculoperitoneal shunts in pediatric patients may result in fewer subsequent peritoneal revisions , Abhaya Kulkarni FL-023 Measuring Maximum Head Circumference within the Picture Archiving and Communication System. A Fully Automatic Approach , J. Gordon McComb FL-024 Non-invasive assessment of intracranial pressure (ICP) and ventricular size using combined ultrasound determination of Optic Nerve Sheath Diameter (ONSD) and Third Ventricle Diameter (TVD) in children , Susanne Regina Kerscher FL-025 Modulation of choroid plexus immuno-secretory function to restore cerebrospinal fluid homeostasis in post-infectious hydrocephalus , Kristopher T Kahle FL-026 Health state and daily living level in patients treated with ETV for shunt removal , Kenichi Nishiyama FL-027 Efficacy and Safety of Ventricular Lavage Therapy for Post Intraventricular Hemorrhagic Hydrocephalus in Low Birth Weight Infants , Young Soo Park FL-029 Personalisation of treatment syndrome of hydrocephalus at prematurely born with intraventricular haemorrhage (22 years' experience) , Evgeny Kryukov FL-030 Ventriculoperitoneal shunt infection rates using a standard surgical technique including intraventricular vancomycin: The Children's Hospital Oakland experience , Kunal Prakash Raygor FL-031 Clinical profiles of trapped ventricles and their management strategy: A review of 31 cases , Subodh Raju FL-032 A Twelve Year Experience Treating Cranial Deformity after CSF Shunting in Cases of Extreme Neonatal Hydrocephalus

15:15 - 15:30	General Neurosurgery FL-087 Familial incidence and associated symptoms in non syndromic craniosynostosis in Japan, Takayuki Inagaki FL-090 Predictors for improvement of neuropsychological examination after decompressive cranioplasty in patients with mild metopic suture synostosis associated with developmental delay, Kazuaki Shimoji FL-091 The surgical indication of distraction osteogenesis for craniosynostosis in our facility, Hirokatsu Osawa FL-107 A study on the management of the pediatric syringomyelia associated with craniocervical junction diseases, Ryo Ando Discussion		Macrocranium with a Novel Early Postnatal Cranial Vault Reduction and Fixation Operation , Gerald F. Tuite FL-033 Ventriculoperitoneal shunt valve pressure adjustments in hydrocephalic infants below the age of six months according to head circumferences and transfontanelle ultrasonography measurements, Adriano Augusto Cattani FL-034 Transseptal implantation of a ventricular catheter in ventriculoperitoneal shunting in children, Semen Aleksandrovich Sotnikov
COFFEE BREAK Poster Session 1 <i>Moderators:</i>			
16:45 - 17:15	Invited Guest <i>Chair:</i> Start-Up Nation and the Future of Health Saul Singer		
17:15 - 18:20	Technology and Innovation Session <i>Chairs:</i>		
17:15 - 17:23	PF-023 The evolution of intraoperative MRI, from low field to high field: It's not your grandmother's MRI anymore , Robert Keating		
17:23 - 17:31	PF-024 Comparing Robot guided surgery versus classic frame-based Stereotaxy for biopsy of intracranial lesions , Andrea Spyranis		
17:31 - 17:39	PF-025 Passive brain mapping of eloquent cortex using electrocorticographic signals , Hans Georg Eder		
17:39 - 17:47	PF-026 Passive Functional Mapping of Receptive Language Areas Using Electrocorticographic Signals , Gerwin Schalk		
17:47 - 17:55	PF-027 Non-invasive assessment of ICP, ultrasound, optic nerve sheath, novel techniques , Llewellyn Padayachy		
17:55 - 18:03	PF-028 Responsive Neurostimulation In Children: Technique and Outcomes , Saadi Ghatan		
18:03 - 18:11	PF-029 The utility of a novel surgical microscope laser light source and its application with integrated dual-image videoangiography (DIVA) for pediatric cerebrovascular surgery , Jun Sakuma		
18:11 - 18:15	Discussion		
18.15-18.30	Tumor Treating fields (TTF) – The new therapeutic modality for brain tumors and systemic cancer , Zvi Ram		

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Tuesday, 9 October 2018

Hours	Hall A	Hall B
07:00 - 07:45		Early Riser: Neuro-embryology Masterclass, Dachlin Pang
08:00 - 08:40	Women in Neurosurgery Session <i>Chairs:</i>	
08:00 - 08:08	PF-036 Career satisfaction and advancement in Pediatric Neurosurgery: an ongoing female disparity? , Zulma Tovar-Spinoza	
08:08 - 08:40	Round Table Discussion - Women in Neurosurgery Zulma Tovar-Spinoza, Nelci Zanon, Martina Messing-Junger, Niina Salokorpi, Benedetta Pettorini	
08:40 - 08:55	Intersurgeon William Harkness	
08:55 - 10:10	Chiari Session <i>Chairs:</i>	
08:55 - 09:03	PF-037 Hydrocephalus following foramen magnum decompression for Chiari I malformation: multinational experience of a rare phenomenon , Andrea Bartoli	
09:03 - 09:11	PF-038 Atlantoaxial subluxations with Chiari malformations-a dangerous association: experience of 15 pediatric cases , Sandip Chatterjee	
09:11 - 09:19	PF-039 Chiari I Malformation in children. When we decided to not operate and surgical strategy in a pediatric series , Paola Peretta	
09:19 - 09:27	PF-040 Syrinx resolution after posterior fossa decompression with tonsillectomy in Chiari malformation Type I: Outcome comparative study , Junkyu Hwang	
09:27 - 09:35	PF-041 Symptomatic Improvement of Dysautonomia and Pain in Patients with Craniovertebral Instability via Occipital Cervical Fusion , Harold L ReKate	
09:35 - 09:43	PF-042 Does less tonsillar manipulation lead to fewer Chiari failures: Review of changing practice paradigms , Robert Keating	
09:45-10:05	Flash session Flash Presentations FL-035 Can the posterior fossa volume be a predictor of surgical success in Chiari I? , Kayen Chan FL-036 Complex Pediatric Chiari Malformation – Is Fixation Necessary? , Mohit Agrawal FL-037 Treatment Failure of Syringomyelia Associated with Chiari I Malformation Following Foramen Magnum Decompression: How Should We Proceed? , Jehuda Soleman FL-038 Bony decompression for Chiari malformation type 1/1.5—an institutional case series , Friederike Knerlich Lukoschus FL-039 Results of the surgical treatment in children with Chiari type 1 malformation , Marek Manderla FL-040 Conservative management for pediatric patients with chiari 1 malformation: A retrospective study , Neelan J Marianayagam	
10:05 -10:35	Round Table Discussion - Controversies in Chiari Malformation Management Harold ReKate, Robert Keating, Sandip Chatterjee	
10:35 - 11:05	COFFEE BREAK	
11:05 - 11:50	Global Neurosurgery Session <i>Chairs:</i>	
11:05 - 11:13	PF-043 Pediatric neurosurgical bellwether procedures for infrastructure capacity building in hospitals and healthcare systems worldwide , Michael C. Dewan	
11:13 - 11:21	PF-044 Practice of Mobile Pediatric Neurosurgery: a cost-effective solution in Benin rural communities , Hugues Jean Thierry Gandaho	

11:21 - 11:29	PF-045 Surgical Treatment of Epilepsy in Vietnam: Program Development and International Collaboration , Brandon G Rocque
11:29 - 11:37	PF-046 The NED Institute Paradigm: a model for sustainable Global Neurosurgical Care and Education in low-income countries , Andreas Leidinger
11:37 - 11:50	Flash Presentations FL-041 The Scope of Paediatric Neurosurgery Practice in Malawi – a One Year Review , Patrick Dongosolo Kamalo FL-042 The neuroendoscope for intracranial operations, a cost effective alternative in the resource-challenged environment , Teddy Totimeh FL-043 Late diagnosis of childhood brain tumours at the Kenyatta National Hospital, Nairobi, Kenya , Nimrod Juniahs Mwangombe FL-044 Pediatric Neurosurgery at the neurosurgery department of the Fann teaching Hospital of Fann: Review of 10 years of activities , Maguette Mbaye
11:50-12:25	Round Table Discussion - Opportunities for Neurosurgery Off The Beaten Track Emmanuel Wegoye, Rick Hodes, Andreas Leidinger....
12:25-12:40	In Memoriam
12:40-13:15	Presidential Address
12:40-12:45	Introduction of 2017/2018 Presidential Address
12:45-13:15	TBC Graham Fieggen
FREE AFTERNOON	

46th Annual Meeting of International Society for Pediatric Neurosurgery, Scientific program

Wednesday, 10 October 2018

Hours	Hall A	Hours	Hall B	Hours	Hall C
		07:00 - 07:45	Early Riser: Movement Disorders Movement disorders in children : lessons from GPI electrical neuromodulation, Philippe Coubes		
08:00 - 10:00	Infections Session <i>Chairs:</i> 08:00 - 08:15 Overview and Principles , Chandreshkar Deopujari 08:15 - 08:35 Fungal infections in pediatric neurosurgery , Adrian Caceres 08:35 - 08:55 TBC , Martina Messing-Junger 08:55 - 09:15 Tuberculosis of the Spine , Sandip Chatterjee 09:15 - 09:23 PF-047 Pediatric Ventriculoperitoneal shunt infections – A clinical audit of contributory risk factors , Ankit Sanjaykumar Shah 09:23 - 09:31 PF-048 Matrix metalloproteinases may act differently in paediatric and adult tuberculous meningitis , Yifan Joshua Li 09:31 - 09:37 PF-049 Trends and decisions in management of shunt infection and criteria for shunt reinsertion: A global ISPN survey , Adrian Caceres 09:37 - 09:45 PF-050 - Intracranial empyema in children. Burr hole technique or craniotomy ? Review of management in 19 cases , Carmine Mottolese 09:45 - 09:53 PF-051 Ventricular CSF is a valuable proxy to study brain tissue processes , Ursula Rohlwick 09:53 - 09:56 Flash Presentations FL-045 Plasmon-enhanced spectroscopic quantification of cerebrospinal fluid lactate and glucose for diagnosis and treatment monitoring , Chen Ruoping Discussion				
10:00 - 10:30	Craniofacial Session <i>Chairs:</i> 10:00 - 10:08 PF-052 Radiation-free 3D head shape and volume evaluation after endoscopically assisted strip craniectomy followed by helmet therapy for scaphocephaly , Guido De Jong 10:08 - 10:16 PF-053 Surgical treatment of sagittal craniosynostosis: a neurocognitive, imaging and genetic study , Gianpiero Tamburrini 10:16 - 10:24 PF-054 Minimally Invasive Endoscopic Strip Craniectomy For Craniosynostosis: Outcome data of 100 consecutive cases , Suresh N Magge 10:24 - 10:30 Discussion				
COFFEE BREAK					
10:55 - 12:40	Functional / Epilepsy Session <i>Chairs:</i> 10:55 - 11:15 Surgical treatment of Movement disorders in children : a 20-years experience , Philippe Coubes 11:15 - 11:35 Seizures, Semantics, and Semiology: A New Lexicon for an Ancient Disease , Phillip Pearl 11:35 - 11:55 New directions in epilepsy surgery: lessons from Tuberos Sclerosis Complex , Howard L. Weiner 11:55 - 12:03 PF-055 Imaging the temporal spread of seizures for surgical planning with ictal magnetoencephalography in children with drug-resistant epilepsy , Jeremy T Moreau 12:03 - 12:11 PF-056 Long term outcomes of Magnetic Resonance (MR)-guided laser interstitial thermal therapy (MRgLITT) in pediatric epilepsy surgery , Carolina Sandoval Garcia 12:11 - 12:19 PF-058 Role of selective dorsal rhizotomy in patients with GMFCS IV , Benedetta Pettorini 12:19 - 12:27 PF-059 Efficacy of new protocol guided single-level laminectomy selective dorsal rhizotomy followed by intensive rehabilitation for children with spastic cerebral palsy , Qijia Zhan 12:27-12:33 Discussion 12:33-12:41 My Vision for the ISPN 2018/2019 - Wolfgang Wagner 12:41 - 12:49 ISPN 2019 Birmingham Gairish Solanki				
12:50 - 14:00		LUNCH			
13:00-13:50	Industry Luncheon Symposium Trophy - Karl Storz Chair: Prof. Giuseppe Cinalli New Trends in Pediatric Ventricular Neuroendoscopy Prof. Dr. Ulrich-Wilhelm Thomale Dr. Jonathan Roth				
14:00 - 15:30	Parallel Session: Epilepsy/Functional/Antenatal <i>Chairs:</i> 14:00 - 14:08 PF-060 Endoscopic hemispherotomy technique in pediatric epilepsy surgery: preliminary experience in clinical implementation , Sandi Lam 14:08 - 14:16 PF-061 The clinical characteristics of posttraumatic epilepsy following moderate-to-severe traumatic brain injury in children , Mony Benifla	14:00 - 15:30	Parallel Session: Endoscopy / Joint IFNE <i>Chairs:</i> 14:00 - 14:15 Priorities for Neuroendoscopy Research , Giuseppe Cinalli 14:15 - 14:23 PF-068 Predict Validity of ETV success Score in 291 Children , Jose Aloysio Costa Val	14:00 - 15:30	Parallel Session: Craniofacial <i>Chairs:</i> 14:00 - 14:08 PF-071 Non-syndromic craniosynostosis patients operated between 1978 and 2000. How do they do as adults? , Niina Salokorpi 14:08 - 14:16 PF-072 Defining critical ages for orbital shape changes after frontofacial advancement in Crouzon syndrome , Syril James

14:16 - 14:40	<p>Flash Presentations - Epilepsy</p> <p>FL-047 The utility of intraoperative magnetic resonance imaging in epilepsy surgery: a literature review and meta-analysis, Cameron Englman</p> <p>FL-048 Surgical Management of Long-term Epilepsy Associated Tumours: A 20 year review, Guirish A. Solanki</p> <p>FL-049 Trans-temporal approach for resection of hypothalamic hamartomas, Anthony Richard Walsh</p> <p>FL-050 Surgical treatment of patients with hypothalamic hamartoma and intractable epilepsy – short- and long-term outcome, Daniel Nilsson</p> <p>FL-051 Role of stereo EEG (SEEG) in identifying epileptogenic zone/networks for surgical planning in pediatric patients with refractory epilepsy, Kalyani Karkare</p> <p>FL-052 Paediatric epilepsy surgery: a five year review of outcomes at a single surgeon centre, Catherine Jane Pringle</p> <p>FL-054 Surgical treatment of pediatric focal cortical dysplasia, Dong Seok Kim</p> <p>Discussion</p>	14:23 - 14:31	<p>PF-069 Assessment of Short term Efficacy of Endoscopic third ventriculostomy combined with Choroid Plexus cauterization in the Management of Pediatric Hydrocephalus in Kenya, Emmanuel Wegoye</p>	14:16 - 14:24	<p>PF-073 Perioperative Outcomes and Management in Midface Advancement Surgery: A Multicenter Observational Descriptive Study from the Pediatric Craniofacial Collaborative Group, Chris D Glover</p>
		14:31 - 14:39	<p>PF-070 Endoscopic endonasal approach for suprasellar craniopharyngioma: Factors influencing tumor resection and outcome, Suresh K Sankhla</p>	14:24 - 14:32	<p>PF-074 Abnormal Cranial Growth in Children with X-linked Hypophosphatemic rickets, Federico Di Rocco</p>
		14:40 - 14:45	<p>Discussion</p>	14:32 - 14:35	<p>Discussion</p>
		14:45-15:03	<p>Flash Presentations</p> <p>FL-062 Perspectives on repeat ETV: a survey study, Eelco Hoving</p> <p>FL-064 Endoscopic Ventricular Irrigation for the Treatment of Neonatal Posthemorrhagic Hydrocephalus with high grade Germinal Matrix intraventricular hemorrhage: A Single Center Study, Young Sill Kang</p> <p>FL-065 Endoscopic Management of Infants With Hydranencephaly, Peter Kato Ssenyonga</p> <p>FL-066 Endoscopic Management of Hydrocephalus And Intracranial Cyst. A prospective study of 82 patients, Samuila Sanoussi</p> <p>FL-067 Management of complex hydrocephalus, Everardo Escamilla Gutiérrez</p> <p>FL-068 Treatment strategies of asymptomatic Type II and III sylvian arachnoid cysts in pediatric patients, Xiao Bo</p> <p>15:03-15:10 Discussion</p>	14:35 - 14:55	<p>Flash Presentations</p> <p>FL-077 Cranial shape comparison for objective open craniostomy surgery planning, Guido De Jungen</p> <p>FL-078 What is the real prevalence of positional plagiocephaly in children and adolescents?, Federico Di Rocco</p> <p>FL-079 Craniostomy with coronal suture involvement: anterior plagiocephaly, brachycephaly and multiple sutures synostosis, Jorge W. J. Bizzi</p> <p>FL-080 Treatment And Results In Anterior Plagiocephaly: The Respective Role Of Surgery And Genetic Pattern On Outcome, Marika Furlanetto</p> <p>FL-081 Caregiver stress in children with craniostomy: A systematic literature review, Christopher Bonfield</p> <p>14:50-14:55 Discussion</p>
14:40 - 15:03	<p>Flash Presentations - Functional</p> <p>FL-055 Surgical treatment of eloquent brain area tumors, Mikle Talabaev</p> <p>FL-056 Concurrent Strayer procedure and peripheral neurectomy to the soleus muscle for spasticity – preliminary results with pre- and post- procedure gait analysis, Bruce A Kaufman</p> <p>FL-057 Safety and Efficacy of Continuous Intrathecal Baclofen in Children under 4 Years of Age, Sebastian Eibach</p> <p>FL-058 Neurosurgical management of spastic diplegia in pediatric patients with HIV Encephalopathy. Experience at Garrahan's Hospital, Victoria Tcherbbis Testa</p> <p>FL-059 Deep brain stimulation of the subcallosal cingulate for treatment of intractable anorexia nervosa in a patient with extremely low body mass index - experience an short-term follow up: Case report, Klaus Novak</p> <p>FL-060 Operation of MDT for Spasticity in Huashan Hospital and Application of SL-SDR with 32 channels EMG monitoring in cerebral palsy patients, Haishi Zhang</p> <p>FL-061 Analyzing the common motion pattern and formulating rehabilitation program after SDR operation for children with spastic diplegia cerebral palsy, Jin Zhao</p>	15:10-15:28	<p>Flash presentations</p> <p>FL-070 Using a borescope as a method of training in neuroendoscopy in low income countries, Gyang Markus Bot</p> <p>FL-071 Development of a cost effective biodegradable Endoscopic Third Ventriculostomy (ETV) training model, Ramesh Teegala</p> <p>FL-072 Third Ventricular Mass Lesions in Children: Role of Endonasal & Transventricular Endoscopy, Sivashanmugam Dhandapani</p> <p>FL-073 Endonasal endoscopic excision of orbital lesions in pediatric population, Awadhesh Kumar Jaiswal</p> <p>FL-074 Outcomes Following Endoscopic Endonasal Resection of Sellar and Suprasellar Lesions and Associated Use of Endonasal Flaps in Pediatric Patients, Shaun Rodgers</p> <p>FL-075 Hydrocephalus prevalence and its perioperative treatment in pediatric brain tumor patients – a 6 years retrospective single center survey, Andreas Schaumann</p> <p>15:28-15:30 Discussion</p>	14:55-15:15	<p>FL-082 A population-based numerical model for performance prediction in spring cranioplasty, Alessandro Borghi</p> <p>FL-083 Management options in non-syndromic sagittal craniostomy: how to choose? Our experience based on 104 patients using different techniques, Andres Nicolas Goycoolea</p> <p>FL-084 A statistical shape modelling framework to assess morphological outcomes in spring assisted cranioplasty, Pam Heutnick</p> <p>FL-085 Neurosurgeon Opinions Related to Surgery for Metopic Craniostomy, Cathy Cartwright</p> <p>FL-086 Trigonoccephaly: surgical treatment in 51 cases, Leticia Zimerman Bizzi</p> <p>15:10-15:15 Discussion</p>
				15:15-15:30	<p>Flash Presentations</p> <p>FL-092 Anterior Plagiocephaly Surgery and 3D Printing Technology, Amanda Silles Borin</p> <p>FL-093 Metopic synostosis: pre and post-operative evaluation of craniofacial deformities, Hamilton Matushita</p> <p>FL-094 Fixation of cranial vault distractors with resorbable pins, Leonid Satanin</p> <p>FL-095 Cranioplasty for Macrocrania: Guided by Computer aided design & three dimensional printing technique, Ning Wang</p> <p>15:15-15:27 Discussion</p>
15:05 - 15:13	<p>Platform Presentations - Antenatal</p> <p>PF-062 Fetal intracranial tumors: what to do? A challenge from diagnosis to treatment, Alice Rolland</p>				
15:13 - 15:21	<p>PF-063 Fetoscopic repair of myelomeningocele: Initial experience at a single center, Edward S Ahn</p>				
15:21 - 15:29	<p>PF-064 Developmental Outcome in fetuses diagnosed with Isolated Vermis abnormality, Liat Ben Sira</p>				
15:30 - 16:55	<p>COFFEE BREAK</p> <p>Poster Session 2</p> <p>Moderators:</p>				
16:55 - 17:30	<p>Main Plenary Session - Featured Abstracts</p> <p>Chairs:</p>				
16:55 - 17:03	<p>PF-065 Exome Sequencing defines the molecular pathogenesis of Vein of Galen Malformation, Kristopher T. Kahle</p>				
17:03 - 17:11	<p>PF-066 Is Prophylactic Untethering Necessary in Myelomeningocele Patients Undergoing Scoliosis Surgery?, Richard Anderson</p>				
17:11 - 17:19	<p>PF-067 Predicting motor outcome following intramedullary spinal cord tumor surgery: The role of D-wave monitoring in children, Francesco Sala</p>				
17:19 - 17:30	<p>Discussion</p>				
17:30 - 18:00	<p>President's Invited Guest Lecture</p>				
17:30 - 17:35	<p>Introduction to President's Invited Guest</p> <p>Graham Fieggen</p>				
17:35 - 18:00	<p>My career development</p> <p>Dachlin Pang</p>	18:00 - 18:45	<p>Business Meeting</p> <p>(all ISPN society members)</p>		
20:30-23:00	<p>GALA DINNER & Philip Pearl Music Lecture- Neurological Diseases of Famous Musicians</p>				

46th Annual Meeting of International Society for Pediatric Neurosurgery, Scientific program

Thursday, 11 October 2018

Hours	Hall A	Hours	Hall B
08:00 - 09:20	<p>Neurotrauma Session <i>Chairs:</i></p>	08:00 - 09:40	<p>Spine Session <i>Chairs:</i></p>
08:00 - 08:08	PF-075 A Program to Prevent Abusive Infant Head Trauma - Eight Year Outcome Results in a Prospective Population Based Study , Ash Singhal	08:00 - 08:20	Priorities for Spine Research in Children , Richard Anderson
08:08 - 08:16	PF-076 Bicycle helmets in the setting of TBI and neurosurgical intervention , Stephanie Gurevich	08:20 - 08:28	PF-092 Biomechanical Finite Element Analysis of the Developing Craniocervical Junction , Douglas Brockmeyer
08:16 - 08:24	PF-077 Examining thresholds for treating clinical parameters against a measure of brain metabolism in severe traumatic brain injury , Thembani Hina	08:28 - 08:37	PF-093 Clinico-radiological features of congenital anomaly-related atlantoaxial dislocation and modified classification system , Olga M Pavlova
08:24 - 08:32	PF-078 Machine-Learning Predicts Clinically-Relevant Traumatic Brain Injury in Children , Andrew T. Hale	08:37 - 08:44	PF-094 Does occipital fixation help in Craniovertebral junction anomaly? , Suchanda Bhattacharjee
08:32 - 08:40	PF-079 Osteopontin is a Promising Candidate Blood Biomarker for Severe Traumatic Brain Injury in Children , Andrew Reisner	08:44 - 08:52	PF-095 Correction of severe craniocervical dislocation in children by posterior approach and fusion , Matthieu Vinchon
08:40 - 08:45	Discussion	08:52 - 09:00	PF-096 Surgical management of symptomatic paediatric vertebral haemangiomas presenting with myelopathy with long term follow up , Dattaraj Parmanand Sawarkar
08:45 - 09:03	<p>Flash Presentations</p> <p>FL-096 North American Survey on the Post-Neuroimaging Management of Children with Mild Head Injuries, Jacob K Greenberg</p> <p>FL-097 Outcomes of severe TBI in children, the possibility of prognosis and monitoring, Semen Meshcheryakov</p> <p>FL-098 Infrascanner_ in the diagnosis of intracranial lesions in children with traumatic brain injuries, Zhanna Borisovna Semenova</p> <p>FL-099 Prognostic Models of Lethality in Children and Adolescents with Severe Traumatic Brain Injury: a systematic review, Marcelo Liberato Coelho Mendes De Carvalho</p> <p>FL-100 New entity of skull lesions due to birth trauma: Kanat (wing) fractures, Pinar Ozisik</p> <p>Discussion</p>	09:00-09:08	PF-101 The price we pay: urological and neurological consequences of the early de-tethering cord procedures in infants , Laura Grazia Valentini
09:03 - 09:20	<p>Flash Presentations</p> <p>FL-101 Cranioplasties following craniectomies in children: a multicenter, retrospective cohort study, Peter A. Woerdeman</p> <p>FL-103 Post-traumatic hydrocephalus in pediatric patients: Presentation, management and outcome — An apex trauma centre experience, Manoj Phalak</p> <p>FL-104 Decompressive craniectomy in children with severe traumatic brain injury: a multicentric retrospective study and literature review, Michel Lonjon</p> <p>FL-105 The importance of the skull impact site in children with minor mechanism head injury, Oren Tavor</p> <p>Discussion</p>	09:08-09:15	Discussion
		09:15 - 09:35	<p>Flash Presentations</p> <p>FL-106 Congenital Scoliosis of the Pediatric Cervical Spine, Mari L Groves</p> <p>FL-108 Vertebral Artery variations In pediatric CVJ Anomalies And Its Surgical Implications, Saraj Kumar Singh</p> <p>FL-109 Complex Combined Neurosurgical and Orthopedic Spinal Procedures in Pediatric Patients: a Case based Study, Maria Lucia Licci</p> <p>FL-110 Spinal Radiosurgery (SRS) for Pediatric spinal tumors, Ran Harel</p> <p>FL-111 Limited Dorsal Myeloschisis: reconsideration of its embryological origin, Ji Yeoun Lee</p> <p>FL-113 Magnitude of risk factors that determine independence and intelligence at birth in neonates with meningomyelocele, Tsegazeab Laeke Teklemariam</p> <p>Can upgrade a poster presentation</p>
		09:35 - 09:45	Discussion
09:20 - 10:45	<p>Neuro-Oncology Session <i>Chairs:</i></p>	09:45 - 10:45	<p>Vascular Session <i>Chairs:</i></p>
09:20 - 09:28	PF-080 WNT pathway hyperactivation: pathogenetic and prognostic influence on craniopharyngiomas progression , Eduardo Jucá	09:45 - 09:53	PF-097 Comparative Study of multimodal treatment outcome of brain AVMs in children and adults , Anna Sergeevna Brusyanskaya
09:28 - 09:36	PF-081 H3K27M, IDH1 and ATRX expression in pediatric GBM(pGBM) and their clinical and prognostic significance , Alok Mohan Uppar	09:53 - 10:01	
09:36 - 09:44	PF-082 Comparative natural history and management of paediatric and adult tectal plate gliomas; not always an indolent disease , Athanasius Chawira	10:01 - 10:09	PF-099 Cranial Pial Arterio Venous Fistulae in Children - A Series of 19 cases , Leve Joseph Devarajan Sebastian
09:44 - 09:52	PF-083 Updated proteomic analysis of pediatric glioblastoma , Luca Massimi	10:09 - 10:17	PF-100 Paediatric developmental venous anomalies (DVAs): a 10-year review , Guirish Solanki

09:52 - 10:00	PF-084 Second-look surgery for intracranial germ cell tumors , Hideki Ogiwara	10:17 - 10:20	Discussion
10:00 - 10:45	Flash Presentations FL-115 Cerebellar low-grade gliomas in children and adolescents: a single institution experience , Spyros Sgouros FL-116 Spinal cord tumors management in children: our experience in Lyon , Federico Di Rocco FL-117 Surgical Treatment of Pediatric Brainstem Glial Tumors: A Single-Centre Ten Year Experience , Andriy Smolanka FL-152 Management of Vein of Galen Aneurysmal Malformation - An Institutional Experience , Leve Joseph Devarajan Sebastian FL-119 Role of DTI images in making the surgical corridors in brainstem safer , Manas Panigrahi FL-120 Intracranial tumors in infants under 1 year of age: a long-term follow-up study of a large clinical series from a single center , Sahin Hanalioglu FL-121 Surgical treatment of intracranial tumors in infants under 12 months of age , Marek Mandra FL-122 Intraoperative magnetic resonance in pediatric neurosurgery – initial experience of the use of this technology in a public Hospital in Brazil , Fernanda Gonçalves De Andrade FL-123 Surgical management of CNS germ cell tumors in children: Experience in a cohort series in Taiwan , Tai Tong Wong FL124 Surgical Approaches to Sellar and Parasellar Pediatric Tumors , Gokmen Kahilogullari FL-125 Neurosurgical treatment of infant brain tumors: Single Institutional Experience in China , Jie Ma FL-126 Hyponatremia in children after brain tumor surgery , Nadia Mazerkina FL-127 Unusual behavior of rosette-forming glioneuronal tumor in children , Nazli Çakici Başak	10:20 - 10:45	Flash Presentations FL-128 Stress response and communication in surgeons undergoing training in endoscopic management of major vessel hemorrhage: a mixed methods study , Cindy Molloy FL-129 Increased prevalence of developmental venous anomalies (DVAs) in neurofibromatosis type 1 patients , Shelly I Shiran FL-130 Intracranial Aneurysms in Children under One Year of Age: an Update , Dennis R. Buis FL-131 Neurovascular findings in Loews-Dietz Syndrome: evaluation of cerebrovascular screening guidelines , Rebecca Du FL-133 Perioperative Risk of Revascularization Surgery for Pediatric Moyamoya – A local case series and literature review , Chun Peng Goh Discussion
10:45 - 11:10	COFFEE BREAK		
11:10 - 13:00	Main Plenary Session - General Interest <i>Chairs:</i>		
11:10 - 11:18	PF-086 Subcortical mapping using an electrified CUSA in pediatric supratentorial surgery , Jonathan Roth		
11:18 - 11:26	PF-087 Stroke Following Elective Craniotomy in Children , David S Hersh		
11:26 - 11:34	FL-134 Inter-rater reliability of a method for determining the pre-operative hypothalamic involvement of pediatric craniopharyngioma , Todd Hankinson		
11:34 - 11:42	PF-089 Role of repeat surgery in management of pediatric low-grade intramedullary gliomas , Yury Kushel		
11:42 - 11:50	PF-090 Natural growth behavior of NF2-associated vestibular schwannomas during childhood and young adulthood , Martin U Schuhmann		
11:50 - 11:58	PF-091 Minimally Invasive Resection of Subcortical Pediatric Brain Tumors and Vascular Malformations using a Novel Navigable Tubular Retractor System , Erin N Kiehna		
11:58 - 12:06	Discussion		

12:06 - 13:00	<p>Flash Presentations</p> <p>FL-135 Incidental brain tumors in children: An international neurosurgical, oncological survey, Jonathan Roth</p> <p>FL-136 Pediatric Neurosurgery Malpractice Claims in Germany, Sebastian A Ahmadi</p> <p>FL-137 Multimaterial 3D Printing Preoperative Planning for Frontoethmoidal Meningoencephalocele Surgery, Giselle Coelho</p> <p>FL-138 3D-Virtual Reality for resident education in pediatric neurosurgery, Raphael Guzman</p> <p>FL-139 Surgical treatment of cervicomedullar compression in children with achondroplasia, Reshchikov Dmitry</p> <p>12:21-12:24 Discussion</p> <p>FL-140 Intraoperative neurophysiological monitoring in posterior fossa surgery, Franco Randi</p> <p>FL-141 Do Post-operative CSF Diversion Procedures Cause Preventable Delay in Adjuvant Treatment of Posterior Fossa Medulloblastoma and Ependymoma? Single Center Retrospective Study, Ido Ben Zvi</p> <p>FL-143 Factors Analysis for Delayed diagnosis in children with suprasellar germ cell tumor, Muh Lii Liang</p> <p>FL-144 Anterior transcallosal approach for microsurgical ventriculostomy and removal of pineal region tumor: experience with 19 patients, Wei Liu</p> <p>FL-145 Craniopharyngiomas: Evaluating the wide fronto temporal basal craniotomy to achieve radical excision. A Personal series of 144 cases from 1998 to 2018, Aadil Shaukat Chagla</p> <p>12:39-12:42 Discussion</p> <p>FL-146 Protocol-driven prevention of perioperative hypothermia in the pediatric neurosurgical population, Ian Mutchnick</p> <p>FL-147 Emerging mathematical skills and the role of cerebellum in children treated for pilocytic astrocytoma, Valentina Baro</p> <p>FL-148 Factors affecting quality of life (QOL) among children who underwent ventriculo-peritoneal shunt, Manju Dhandapani</p> <p>FL-149 Programmable versus non-programmable valves: which do better?, Mansoorali Hakim Sitabkhan</p> <p>FL-151 Pediatric Encephaloceles: An institutional experience, Rohan Prafulla Shah</p> <p>Discussion</p>	
13:00 - 13:15	<p>Handover Ceremony</p> <p>Flag Hand-Over to Birmingham</p>	
END OF ISPN 2018 ANNUAL MEETING		