

50th Annual Meeting of International Society for Pediatric Neurosurgery Scientific program

Monday, October 14, 2024

Hours		Hall A	Hours	Hall B
08:30	08:45	Welcome and Introduction		
08:45	09:39	Session on Laser Interstitial Thermal Therapy (LiTT) <i>Co-Chairs: Martin Tisdall & Zulma Tovar Spinoza</i>		
08:45	09:00	Invited lecture: MRgLITT in the management of brain tumors on children. Indications, technique and preliminary results in 23 cases Giuseppe Cinalli		
09:00	09:15	Invited lecture: Evolution of LITT in pediatric epilepsy surgery Daniel J. Curry		
09:15	09:23	PF-001 MRI guided laser interstitial thermal therapy for epilepsy in the paediatric population: efficacy and safety from Great Ormond Street Hospital for Children experience, Martin M Tisdall, UK	09:15 - 17:55	NURSING SYMPOSIUM
09:23	09:31	PF-002 Real-time Changes in Large-scale Thalamic Circuitry Following Laser Ablation of Hypothalamic Hamartomas, Karim Mithani, Canada	09:15 - 09:20	Welcome, Jenny Sacree
09:31	09:39	PF-003 Corpus callosotomy in children with drug-resistant epilepsy: a 10-year experience from a single centre, Michael R Carter, UK	09:20 - 10:05	Living and working with Spina bifida - a neurosurgeon's perspective Karin Muraszko
09:39	10:18	Session on Epilepsy <i>Co-Chairs: William Lo & Graciela Zuccaro</i>		
09:39	09:54	Invited lecture: Evolution of surgical techniques in paediatric epilepsy Wirginia Maixner		
09:54	10:02	PF-004 Thalamic neuromodulation in pediatric patients with refractory epilepsy, Saadi Ghatan, US		
10:02	10:10	PF-005 Are fast ripples (250 – 500 Hz) biomarkers of pathological tissue in pediatric focal epilepsy? Roy William Roland Dudley, Canada	10:05 - 10:25	NS-001 Assessing sleep related breathing disorders, vocal cord dysfunction and feeding issues in infants with Myelomeningocele Ashley Birch, US
10:10	10:18	PF-006 Intraoperative electrocorticography in epilepsy surgery: initial results in a resource-limited hospital, Thang Nam Le, Vietnam		
10:18	11:06	Flash Session on Epilepsy <i>Co-Chairs: Mony Benifla & Michael Carter</i>		
10:18	10:21	FL-001 The utility of multicentre epilepsy lesion detection algorithm in identifying epileptic activity and predicting seizure freedom in MRI lesion-negative children, Aimee Goel, UK		
10:21	10:24	FL-002 Pre-surgery and post-surgery characterization of pediatric patients undergoing temporal lobe surgical treatment for refractory epilepsy at an epilepsy center in Bogotá-Colombia, Juliana Paola Mendoza Mantilla, Colombia		
10:24	10:27	FL-003 An observational study on outcome of hemispherotomy in children with refractory epilepsy, Suchanda Bhattacharjee, India	10:25 - 10:45	NS-002 Evaluation and revision of the neurosurgery incision care protocol at the Hospital for Sick Children Rheanna Glombitza, Canada
10:27	10:30	FL-004 Spectrum of FCD in surgically treated epilepsy patients, Suchanda Bhattacharjee, India		
10:30	10:34	Discussion		
10:34	10:37	FL-005 Mobility outcome following functional hemispherotomy for intractable epilepsy, Lauren Baldwin, UK		
10:37	10:40	FL-006 Clinical results of anatomical hemispherectomy as surgical treatment for Rasmussen's Encephalitis , Zita Elizabeth Salazar Ramirez, Mexico		
10:40	10:43	FL-007 Vertical or horizontal hemispherotomy for pediatric hemispheric drug-resistant hemispheric epilepsy: Does one outwit the other?-A technical comparison, George Chandy Vilanilam, India		
10:43	10:46	FL-008 An anterior quadrant disconnection, as a subtotal modification of a periinsular hemispherotomy was effective in seizure control for pediatric intractable frontoparietal epilepsy associated with early ischemic stroke or hypoxic ischemic encephalopathy, Goichiro Tamura, Japan	10:45 - 11:05	NS-003 Developing and maintaining a high-volume non-invasive presurgical mapping center using Magnetoencephalography (MEG) and Transcranial Magnetic Stimulation (TMS) at a pediatric NAEC IV Epilepsy Center Theresa Williard, US
10:46	10:50	Discussion		
10:50	10:53	FL-009 Stereo-EEG for epileptogenic focus localization in Schizencephaly: A Single-center experience in four patients, Hsin Hung Chen, Taiwan		
10:53	10:56	FL-010 Low-intensity focused ultrasound to disrupt epileptogenesis: A proof-of-concept preclinical study, Whitney Erin Parker, US		

10:56	10:59	FL-011 Stereotactic radiofrequency anterior capsulotomy for paediatric Tourette syndrome, Kostiantyn Kostiuk , Ukraine		
10:59	11:02	FL-012 Seizure and educational attainment in children undergoing hippocampus-sparing temporal lobectomy (HSTL), Yan Ting Woo , UK		
11:02	11:06	Discussion		
11:06	11:35	COFFEE BREAK		
11:35	12:38	Session on Cranio Cervical Junction <i>Co-Chairs: Raheel Ahmed & Eric M. Jackson</i>	11:35 - 13:20	Nursing Symposium Continue
11:35	11:50	Invited Lecture: Foramen Magnum Stenosis in Achondroplasia: consensus or controversy Dominic Thompson	11:35 - 11:55	NS-004 Retrospective analysis of external intraventricular drain related infections in pediatric patients at Ruth Rappaport Children's Hospital, Amalia Elkin , Israel
11:50	11:58	PF-007 Foramen magnum stenosis in achondroplasia: a dynamic but not necessarily insidious process. A twenty-year cohort study, Richard Moon , UK		
11:58	12:06	PF-008 Range of motion after occipitocervical and C1-2 posterior spinal instrumentation and fusion in children, Richard Anderson , US	11:55 - 12:15	NS-005 Development of a neurosurgical advanced practice provider bootcamp, Christopher Isibor , US
12:06	12:14	PF-009 Temporal changes in tonsillar herniation and associated syringomyelia in so-called benign pediatric Chiari type I malformation, Hiroaki Sakamoto , Japan		
12:14	12:22	PF-010 Pediatric cervical stenosis and instability: Exploring pathogenesis, treatment efficacy, and prospects ahead in 100 cases, Olga M Sergeenko , Russia	12:15 - 12:35	NS-006 Implementing a standardized Pin Site Care protocol for patients with Halo devices, Ji Sung Elizabeth An , Canada
12:22	12:30	PF-011 Which type of duraplasty for CM surgery? Laura Grazia Valentini , Italy		
12:30	12:38	PF-012 Variations of the atlas vertebra amongst children undergoing craniocervical fixation, Anita Ahmadi Birjandi , Iran		
12:38	13:06	Flash Session on Cranio Cervical Junction <i>Co-Chairs: Raheel Ahmed & Eric M. Jackson</i>		
12:38	12:41	FL-013 Pattern & outcome of cranio-cervical and cervical spine injuries associated with head injuries in children: 30-year institutional review, Gurish A Solanki , UK	12:35 - 13:20	It's all in your head Patrick Belec
12:41	12:44	FL-014 Surgical management of Chiari malformation Type I in pediatric population: a single center experience, Maria Sole Venanzi , Italy		
12:44	12:47	FL-015 Atlantoaxial rotatory fixation in children – a systematic review of contemporary management, Thomas Beez , Germany		
12:47	12:50	FL-016 Calvarial bone graft for craniocervical junction fixation in children, Vitor Yamaki , UK		
12:50	12:54	Discussion		
12:54	12:57	FL-018 Endoscopic foramen magnum decompression for Chiari malformation type I, Tomoru Miwa , Japan		
12:57	13:00	FL-019 Surgical, clinical and radiological outcome analysis of pediatric bony craniocervical junction abnormalities - An institutional experience in a resource poor low middle income country peripheral institute, Aayush Gupta , India		
13:00	13:03	FL-020 Posterior angulation of dens in operated and non-operated Chiari cohort and implications, Fardad T. Afshari , UK		
13:03	13:06	Discussion		
13:10	14:25	LUNCH		
13:30	14:15	Industry Luncheon Symposium I		
14:25	14:30	Education Award <i>Chair: Wan Tew Seow</i>	14:25 - 16:30	Nursing Symposium Continue
14:30	14:35	The Guide <i>Chair: Rick Abbott</i>	14:25 - 14:45	NS-007 Neuroscience Nursing in Tanzania: Sharing Knowledge and Skill to Improve Patient Care, Haley Vance , US
14:35	15:35	Session on Technology and Innovation <i>Co-Chairs: William Singleton & Sergio Cavalheiro</i>		
14:35	14:50	Invited lecture: Developing optical and electromagnetic technologies for open, minimally invasive, and endovascular neurosurgical treatments Victor Yang		
14:50	14:55	Discussion	14:45 - 15:05	NS-008 Global neurosurgery nursing in the ISPN: What, how, when and why? Jenny Sacree , Qatar
14:55	15:03	PF-013 Automated artificial intelligence evaluation of upper extremity function using single view smartphone video, Kevin Sun , Canada		

15:03	15:11	PF-014 Development of visual analytics tool to track adverse events, develop quality metrics and improve outcomes in pediatric neurosurgery, George Jallo , US		
15:11	15:19	PF-015 Burr hole approach for tumor resection - Endoscopic ultrasonic aspirator use in a bi-center experience, Ulrich Wilhelm Thomale , Germany	15:05 - 15:25	NS-009 Collaborative Robotic Surgery for Pediatric Spine Arthrodesis. From planning to execution of the first case in Latin America, Allison Roberto Da Silva , Brazil
15:19	15:27	PF-016 Artificial intelligence in traumatic brain injury: A comparison of XGBoost machine learning algorithm versus logistic regression in moderate and severe pediatric TBI, Matheus Fernando Manzolli Ballester , Brazil		
15:27	15:35	PF-017 Tubular single-port endoscopic assisted surgery for fetal myelomeningocele repair, Sergio Cavalheiro , Brazil		
15:35	15:59	Flash Session on Technology and Innovation <i>Co-Chairs: Luca Massimi & Llewellyn Padayachy</i>	15:25 - 15:45	NS-010 The impact of specialized neurosurgical care on advanced practice providers, Michaela Mamary , US
15:35	15:38	FL-021 A service evaluation on the use of chest-sited intraventricular access devices for the infusion of cerliponase alfa in Batten disease at a single tertiary UK paediatric centre, Jack Read , UK		
15:38	15:41	FL-022 Development and validation techniques for machine learning outcome prediction in post-operative paediatric brain tumours; a step towards personalised medicine? Catherine Pringle , UK		
15:41	15:44	FL-023 Exoscope efficacy and feasibility in pediatric spinal neurosurgery: A single-institution cohort case series, Ramin Eskandari , US		
15:44	15:47	Discussion	15:45 - 16:30	Neuro nurses and death doulas: Allies or adversaries? Nancy Thornton
15:47	15:50	FL-024 Revolutionizing pediatric neurosurgical planning with high-resolution mixed reality: Beyond the conventional in craniopagus twins separation, Ali Rezaei Haddad , UK		
15:50	15:53	FL-025 Medical education and technology: Brain surgery training with avatars, Giselle Coelho , Brazil		
15:53	15:56	FL-026 Evaluation of the use of a non-invasive MR technique (Time-STAMP) for clinical management of abnormal cerebral spinal fluid circulation in a pediatric population, Peter Chiarelli , US		
15:56	15:59	Discussion		
16:00	17:00	COFFEE BREAK Poster Session 1	16:30 - 16:50	COFFEE BREAK
17:00	18:03	Session on Dysraphism <i>Co-Chairs: Jeffrey Blount & William Whitehead</i>	16:50 - 17:55	Nursing Symposium Continue
17:00	17:15	In Memoriam Sandip Chatterjee	16:50 - 17:10	NS-011 Novel administration of intraventricular baclofen for intractable dystonia, Jenny Sacree , Qatar
17:15	17:23	PF-018 Long-term outcomes after fetal Spina Bifida closure, Charlotte C. Kik , Netherlands		
17:23	17:31	PF-019 Folic acid consumption among Hispanic women of reproductive age in the US: A systematic review, Nicole Villalba , US	17:10 - 17:30	NS-012 Peri-operative, non-surgical management of babies with craniosynostosis, Leali Y Halfon , Israel
17:31	17:39	PF-020 Urodynamic based early tethered cord release can preserve lower urinary tract function and avoid augmentation cystoplasty in patients with myelomeningocele, Tomomi Kimiwada , Japan		
17:39	17:47	PF-021 Global variability in fetal Spina Bifida surgery: A survey of neurosurgical strategies, Charlotte C Kik , Netherlands	17:30 - 17:50	NS-013 Adaptation of Collaborative Robotic Equipment for Epilepsy Surgeries: SEEG implant, Allison Roberto Da Silva , Brazil
17:47	17:55	PF-022 Fetoscopic Prenatal spina bifida repair: How we developed this approach and how currently we do, Jose Luis Peiro , US		
17:55	18:03	PF-023 The incidence of third-trimester motor function decline in postnatal repair myelomeningocele patients, William Ernest Whitehead , US		
18:03	18:15	Flash Session on Dysraphism <i>Co-Chairs: Jeffrey Blount & William Whitehead</i>	17:50 - 17:55	Closing
18:03	18:06	FL-027 Factors affecting retethering following surgery for spinal cord lipomas, Shibu Vasudevan Pillai , India		
18:06	18:09	FL-028 Assessment of ventricular size and neurocognitive outcomes in children with post-natal closure of myelomeningocele, Grace Y Lai , US		
18:09	18:12	FL-029 Retethering risk in pediatric spinal lipoma of the conus medullaris, Toshiaki Hayashi , Japan		
18:12	18:15	Discussion		

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Tuesday, October 15, 2024

Hours		Hall A
08:00	08:20	Special Session <i>Co-Chairs: Concezio di Rocco & Shlomi Constantini</i>
08:00	08:10	Raimondi Award Lecture: Stented endoscopic third ventriculostomy: Technique, safety and indications. A multicenter multinational study Lee Azolai
08:10	08:20	African Pediatric Neurosurgery Section (AfPNS) Llewellyn Padayachy
08:30	09:58	Session on Hydrocephalus <i>Co-Chairs: Michael Dewan & Ronnie Baticulon</i>
08:30	08:45	Invited lecture: Outcomes in paediatric hydrocephalus Kristian Aquilina
08:45	09:00	Invited lecture: Use of ultrasound diagnostics in managing pediatric diseases with potentially raised intracranial pressure Martin Schuhmann
09:00	09:10	Discussion
09:10	09:18	PF-024 De novo variants truncating the LIM domain of LDB1 cause a novel human neurodevelopmental disorder featuring cerebral ventriculomegaly, Neel H Mehta , US
09:18	09:26	PF-025 Hydrocephalus treatment ETV/CPC vs VPS outcome in Al-Basheer Hospital, NeuroKids project- Jordan, Anas Said , US
09:26	09:34	PF-026 Does machine learning improve prediction accuracy of the endoscopic third ventriculostomy success score? A contemporary hydrocephalus clinical research network cohort study, Armaan K Malhotra , Canada
09:34	09:42	PF-027 A multi-center study of non-invasive wireless assessment of CSF shunt function in hydrocephalus patients, Sandi K. Lam , US
09:42	09:50	PF-028 Exploring mechanisms driving ventricular catheter obstruction in patients with pediatric hydrocephalus: Insights from a multicenter shunt biobank study, Prashant Hariharan , US
09:50	09:58	PF-029 Impact of the BASICS trial (The British Antibiotic or Silver Impregnated Catheters for ventriculoperitoneal Shunts) on ventriculoperitoneal shunt surgery in the UK: a clinical and health economic analysis, Conor Mallucci , UK
09:58	11:05	Flash Session on Hydrocephalus <i>Co-Chairs: Sandrine de Ribaupierre & Torben Skovbo Hansen</i>
09:58	10:01	FL-031 Correlation of ventricular anatomical variants in hydrocephalus patients after myelomeningocele repair during ETV and CPC procedures using FIESTA-C/CISS MRI, Mohamed Badran , Egypt
10:01	10:04	FL-032 ETV v/s Ventriculoperitoneal shunt for management of tubercular meningitis with hydrocephalus in pediatric population: A Randomised control study, Monica Narayanaswamy , India
10:04	10:07	FL-033 Treatment of hydrocephalus following fetal repair of myelomeningocele: comparing endoscopic third ventriculostomy with choroid plexus cauterization (ETV/CPC) to ventricular shunting (VPS), Joseline Haizel Cobbina , US
10:07	10:10	Discussion
10:10	10:13	FL-034 Evaluating a standardised algorithm for the management of posthaemorrhagic hydrocephalus in preterm infants, Kristian Aquilina , UK
10:13	10:16	FL-035 Comparative efficacy of ventriculostomy with choroid plexus cauterization versus ventricular reservoir in achieving shunt independence for infants with post-hemorrhagic hydrocephalus by six months, Lucinda Chiu , US
10:16	10:19	FL-036 Short-term outcomes of endoscopic third ventriculostomy and choroid plexus cauterization in children with hydrocephalus at Arusha Lutheran Medical Center in Northern Tanzania: A retrospective study, Kerry Alexandra Vaughan , Tanzania
10:19	10:22	FL-037 Comparison of third ventriculostomy alone versus with cauterization of the choroid plexus in infants: Preliminary results, Artur Henrique Galvao Bruno Da Cunha , Brazil
10:22	10:26	Discussion
10:26	10:29	FL-038 Surgical management of hydrocephalus in open myelomeningocele, Benjamin Hall , UK

10:29	10:32	FL-039 Jugular foramen stenosis in infants with external hydrocephalus, Giuseppe Cinalli , Italy
10:32	10:35	FL-040 Why do ventricles dilate? A thermodynamic perspective, Michael Egnor , US
10:35	10:38	FL-041 Using optic nerve sheath diameter over ventricular size to assess hydrocephalus in pediatric patients with pineal region tumors, Ash Singhal , Canada
10:38	10:42	Discussion
10:42	10:45	FL-042 Change in Optic nerve sheath diameter (ONSD) and Optic Disc Elevation (ODE) in predicting shunt failure in the Emergency department (ED) (CHOOSE study), Adrienne L Davis , Canada
10:45	10:48	FL-043 Endoscopic management of pediatric complex hydrocephalus – A procedure survival analysis and clinico-radiological outcome study using Ventricular volumetry, Kevin Jude Sudevan , India
10:48	10:51	FL-044 Elevated systemic venous pressures as a common pathology in prepubertal pediatric idiopathic intracranial hypertension, Marianne Juhler , Denmark
10:51	10:54	Discussion
10:54	10:57	FL-045 Radiologic signs in endoscopic third ventriculocisternostomy in non-communicating pediatric hydrocephalus, Ulrich Wilhelm Thomale , Germany
10:57	11:00	FL-046 Neuroendoscopic lavage for the management of neonatal intraventricular haemorrhage: an analysis of procedural safety and long-term outcomes, Shailendra Magdum , UK
11:00	11:03	FL-080 Socioeconomic disparities in the presentation and management of shunting procedures for cerebrospinal fluid diversion, Hailey Reisert , US
11:03	11:05	Discussion
11:05	11:35	COFFEE BREAK
11:35	12:13	Session on Trauma <i>Co-Chairs: Gregory Albert & Ibrahim Jalloh</i>
11:35	11:50	Invited lecture: Paediatric head injury – changing trends Ajay Sinha
11:50	12:05	Invited lecture: Merging clinical care and science in neurocritical patients Anthony Figaji
12:05	12:13	PF-030 Prognostic modeling for clinical outcomes in Diffuse Axonal Injuries via Magnetic Resonance Imaging: Insights from a single-center investigation, Maria Sole Venanzi , Italy
12:13	12:25	Flash Session on Trauma <i>Co-Chairs: Gregory Albert & Ibrahim Jalloh</i>
12:13	12:16	FL-047 Improving hospital resource utilization through an advanced practice provider-led pediatric head injury outpatient clinic, Stefanie Hartman , US
12:16	12:19	FL-048 Neurotrauma and post-traumatic seizures in pediatric patients at an urban level 2 trauma center: A retrospective study, Eric Alexander Grin , US
12:19	12:22	FL-049 Complexity of skull fractures in children: Characteristic features, clinical assessment and imaging, Alkim Demirci , Bulgaria
12:22	12:25	Discussion
12:25	13:00	Presidential Address
12:25	12:30	Introduction to Presidential Address Rick Boop
12:30	13:00	Presidential Address ISPN & Pediatric Neurosurgery: Past, Present, & Future Shlomi Constantini
13:00	14:15	LUNCH
13:25	14:10	Industry Luncheon Symposium II
14:15	14:20	Presentations Awards <i>Chair: Michael Dewan</i>
14:20	14:35	Cultural Lecture <i>Chair: James Drake</i>
14:20	14:35	The rise of clinical artificial intelligence Devin Singh
14:35	15:23	Session on Functional <i>Co-Chairs: John Goodden & George M Ibrahim</i>

14:35	14:43	PF-032 Quantitative analysis and clustering of sensory nerves by triggered EMG data during single-level SDR in spastic cerebral palsy with different levels of motor function, Wenbin Jiang , China
14:43	14:51	PF-033 Selective Dorsal Rhizotomy – Quality of life and spasticity outcomes at 5-year follow-up – the Leeds experience, John Goodden , UK
14:51	14:59	PF-034 Effect of selective dorsal rhizotomy on bladder dysfunction in children with spastic cerebral palsy: Correlation with intraoperative neurophysiology monitoring, Wenbin Jiang , China
14:59	15:07	PF-035 The application of neurosurgical treatments for pediatric chronic pain, Sunny Abdelmageed , US
15:07	15:15	PF-036 Robot-assisted implantation of bilateral GPI DBS electrodes in children with dystonia: experience of planning software integration with bespoke surgical tooling, William Gb Singleton , UK
15:15	15:23	PF-037 Are intrathecal baclofen test doses needed prior to intrathecal pump implantation? Experience of a tertiary multidisciplinary paediatric complex movement disorder clinic, Jack Wildman , UK
15:23	15:47	Flash Session on Functional <i>Co-Chairs: Mandeep Tamber & Richard Edwards</i>
15:23	15:26	FL-050 Multimodal neurosurgical therapy for cases of severe refractory hypertonica: a case series, Sunny Abdelmageed , US
15:26	15:29	FL-051 The (missing) impact of Selective Dorsal Rhizotomy (SDR) on Cerebral Palsy (CP) treatment -concepts, Maria Abel , Germany
15:29	15:32	FL-052 Palliative single-level selective dorsal rhizotomy for children with spastic cerebral palsy GMFCS grade IV and V – A case series and systematic review of the literature, Maria Licci , Switzerland
15:32	15:35	Discussion
15:35	15:38	FL-053 Woof Woof! What lessons can paediatric epilepsy surgeons learn from helping set up a canine VNS programme? Michael Rust Carter , UK
15:38	15:41	FL-054 Evaluation of the effect of vagal nerve stimulation with the SenTiva M1000 device on seizure frequency in paediatric patients, Milan Makwana , UK
15:41	15:44	FL-055 Characteristics of pediatric drug resistant epilepsy responders and nonresponders to vagus nerve stimulation: a retrospective cohort study, James Mossner , US
15:44	15:47	Discussion
15:50	16:50	COFFEE BREAK Poster Session 2
16:50	17:54	Top Abstracts Session <i>Co-Chairs: Frederick Boop & Martin U Schuhmann</i>
16:50	16:58	PF-038 Post-operative ocular motility disorders in children with posterior fossa tumours: 24 years' GOSH experience, Nishchit Hegde , UK
16:58	17:06	Discussant: Conor Mallucci
17:06	17:14	PF-039 Bridging pediatric epilepsy surgery with basic science: From SEEG to intracellular recordings, Adriano Cattani , Canada
17:14	17:22	Discussant: Suchanda Bhattacharjee
17:22	17:30	PF-040 Embolization vs stereotactic radiosurgery for arteriovenous malformations in children. A comparative trial between two large referral centers, Noa Schwartz , Israel
17:30	17:38	Discussant: Christian Dorfer
17:38	17:46	PF-041 Functional benefit following Selective Dorsal Rhizotomy in ambulant diplegic cerebral palsy shows continued growth in functional improvement at 2 years, George Richard Hudson , UK
17:46	17:54	Discussant: Benedetta Pettorini

50th Annual Meeting of International Society for Pediatric Neurosurgery

Wednesday, October 16, 2024

Hours		Hall A	Hours		Hall B
08:30	10:04	Session on Oncology <i>Co-Chairs: Mark Souweidane & Eric Thompson</i>			
08:30	08:45	Invited lecture: Research discoveries impacting on the neurosurgical care of children with brain tumours James Rutka			
08:45	09:00	Invited lecture: Transforming the lives of children and young adults with low grade gliomas in the era of precision medicine Uri Tabori			
09:00	09:08	PF-042 From vein to brain: enhancing trafficking of CAR T-cells to diffuse midline glioma, Louise F Steele Saukila , UK			
09:08	09:16	PF-043 Intraoperative ultra-fast deep-learned CNS tumor classification and its impact on pediatric neurosurgical decision making, Mariska Sie , Netherlands			
09:16	09:24	PF-044 External validation of predictive models for postoperative hydrocephalus in pediatric patients with posterior fossa tumors, Hendrik-Jan Mijderwijk , Germany			
09:24	09:32	PF-045 Subsequent primary neoplasms in survivors after initial radiotherapy in SMARCB1/INI1-deficient atypical teratoid/rhabdoid tumors (AT/RT) and SMARCB1/INI1-retained AT/RT-like tumors in brain and spine, Tai Tong Wong , Taiwan			
09:32	09:40	PF-046 Revisiting the application of intraoperative MRI in maximizing complete resection in pediatric LGG, Sofie Dietvorst , UK			
09:40	09:48	PF-047 Neurosurgical outcomes for pediatric medulloblastoma in 8 Low- and Middle-Income Countries, Ronnie E Baticulon , Philippines			
09:48	09:56	PF-048 Long-term outcomes of paediatric craniopharyngiomas: multi-centre comparative study, Vitor Nagai Yamaki , UK			
09:56	10:04	PF-049 International rare brain tumor program: Paving the pathway to cure rare brain tumors, Adriana Fonseca , US			
10:04	10:32	Flash Session 1 on Oncology <i>Co-Chairs: Christian Dorfer & Tai Tong Wong</i>	10:04	10:44	Session on Craniofacial <i>Co-Chairs: Giovanna Paternoster & Noor Ul Owase Jeelani</i>
10:04	10:07	FL-056 Navigated intraoperative ultrasound in pediatric brain tumors, Kevin Klein Gunnewiek , Netherlands	10:04	10:12	PF-050 Type 1-Calciified Cephalohematoma in a rural area: A case report and review of confirmed cases, Raisul Maarif , Indonesia
10:07	10:10	FL-057 Radioresistant cell surface molecules in paediatric diffuse midline glioma brainstem tumours: a preclinical in vitro study, Sharon Yin Yee Low , Singapore	10:12	10:20	PF-051 Comparative outcomes of posterior vault expansion techniques in craniosynostosis: A retrospective analysis of static, springs classic vector, and springs vertical vector methods, Amparo Saenz , UK
10:10	10:13	FL-058 Use of intraoperative MRI (iMRI) in pediatric low grade glioma (pLGG) surgery in the era of high quality intraoperative ultrasound (iUS), Armen Nazaryan , Germany	10:20	10:28	PF-052 Secondary premature fusion of additional sutures after surgery for sagittal craniosynostosis, Megan V Ryan , US
10:13	10:16	Discussion	10:28	10:36	PF-053 Intraoperative intracranial pressure changes in children with craniosynostosis undergoing endoscopic-assisted strip craniectomy, Vincent Aquino , US
10:16	10:19	FL-059 Evaluation of neurosurgical robot-assisted precision navigation biopsy surgery for pediatric brainstem tumors based on multimodal image fusion and analysis of pathological findings, Wu Qiang Che , China	10:36	10:44	PF-054 Outcomes of surgery for non-syndromic craniosynostosis in older children with delayed presentation– our experience, Vishakha Karpe , India
10:19	10:22	FL-060 The comparative outcomes in effectiveness of transcallosal interhemispheric over transcortical approach for pediatric intraventricular tumors, Hanna Salauyeva , Belarus			
10:22	10:25	FL-061 The changes in attitude to paediatric tumour sampling for diagnostic and research purposes from 2014 to 2024, Yazan El Adwan , UK			
10:25	10:28	FL-062 Sonodynamic therapy using MR-guided focused ultrasound (MRgFUS) for pediatric patients with DIPG: a single-center experience with 43 treatments, Gregory Keating , US			
10:28	10:32	Discussion			
10:32	11:05	COFFEE BREAK			
11:05	12:05	Flash session 2 on Oncology <i>Co-Chairs: Christian Dorfer & Tai Tong Wong</i>	11:05	11:37	Session on Craniofacial <i>Co-Chairs: Giovanna Paternoster & Noor Ul Owase Jeelani</i>

11:05	11:08	FL-063 From clinical to imaging: The application of machine learning in the differential diagnosis of Pineal Region Germinoma, Ningrong Ye , China	11:05	11:13	PF-055 Brain volume analysis in patients with FGRF-related craniosynostoses, Giovanna Paternoster , France
11:08	11:11	FL-064 Role of Bevacizumab in Giant progressive Vestibular Schwannomas in NF2 patients following gamma Knife Radiosurgery, Deepak Agrawal , India	11:13	11:21	PF-057 Endoscopic surgery for the treatment of craniosynostosis - Challenges in implementing a new minimally invasive technique, Dalila Forte , Portugal
11:11	11:14	FL-065 Aggressive surgical resection for children craniopharyngioma based on prerequisite for hypothalamic preservation: a series of 782 pediatric patients, Shi Xiang Xiangen , China	11:21	11:29	PF-058 Combined non-syndromic craniosynostosis: A challenging diagnosis, Tatiana Protzenko , Brazil
11:14	11:17	FL-066 Radical resection of large and giant craniopharyngiomas in children may decrease need for adjuvant radiotherapy, Jillian H Plonsker , US	11:29	11:37	PF-059 Analysis of delay in treatment in a cohort of craniosynostosis at a tertiary care centre: A surrogate marker for delay of treatment in paediatric neurosurgery, Anuraag Gattu , India
11:17	11:21	Discussion			
11:21	11:24	FL-067 Identification and validation of the ferroptosis related hub genes by unsupervised machine learning in medulloblastoma, Qijia Zhan , China			
11:24	11:27	FL-068 Hypnosis and pediatric awake neurosurgery, Pierre Aurélien Beuriat , France			
11:27	11:30	FL-069 A comparative analysis of prognostic factors in thalamic and brainstem H3 K27M-altered diffuse midline gliomas from a tertiary health care center, Aprajita Chaturvedi , India			
11:30	11:33	FL-070 Clinical features and surgical results of pediatric CNS sarcomas. A referral center experience in Peru, Danny Alex Campos Sanchez , Peru			
11:33	11:37	Discussion	11:37	12:49	Flash Session on Craniofacial <i>Co-Chairs: Tatiana Protzenko & Laura Grazia Valentini</i>
11:37	11:40	FL-071 Radiation-induced meningiomas have an aggressive clinical course: the genetic signature is limited to NF2 alterations, and the epigenetic signature is H3K27me3 loss, Seung Ki Kim , South Korea	11:37	11:40	FL-079 Endoscopic treatment of isolated lambdoid craniosynostosis and the ongoing improvement in craniofacial deformity over time, Vincent Aquino , US
11:40	11:43	FL-072 Characterization of the pattern of leptomeningeal metastasis in childhood medulloblastoma, Daniel P Sexton , US	11:40	11:43	FL-081 Long-term results of minimally invasive strip craniectomy without helmet therapy for scaphocephaly – a single-centre experience, Katharina Lutz , Switzerland
11:43	11:46	FL-073 Incidence of postoperative paediatric cerebellar mutism syndrome over a 17-year period with an emphasis on the surgical technique – The Alder Hey experience, Natasha Aziz , UK	11:43	11:46	Discussion
11:46	11:49	FL-074 Copy number variation in Sonic Hedgehog (SHH)-Medulloblastoma: inhibitors of HDAC and PI3K as potential therapeutic options, Monica Mureb , US	11:46	11:49	FL-082 Application of virtual planning and 3D printing guide in surgical management of craniosynostosis, Kuan Lin Wu , Taiwan
11:49	11:53	Discussion	11:49	11:52	FL-083 Management of craniosynostosis patients: Insights from Patient-Reported Outcome Measures (PROMs), Federico Di Rocco , France
11:53	11:56	FL-075 Should post-operative stereotactic radiosurgery be the standard of care in craniopharyngioma patients? Deepak Agrawal , India	11:52	11:55	FL-084 Open versus endoscopic surgery for the management of patients with non-syndromic craniosynostosis: an analysis of treatment and costs of related outcomes, Omar Ortega Ruiz , Mexico
11:56	11:59	FL-077 Cushing’s disease in children – Challenges and outcomes over 15 years in a single centre, Kristian Aquilina , UK	11:55	11:58	Discussion
11:59	12:02	FL-078 The learning curve for intra-operative MRI in a single centre, Chloé Louise Gelder , UK	11:58	12:01	FL-085 Early endoscopic strip craniectomy for treatment of bilateral coronal synostosis in children with apert syndrome, Emma Hartman , US
12:02	12:05	Discussion	12:01	12:04	FL-086 Changes in cerebral blood flow following cranial vault remodeling in craniosynostosis, Giuseppe Cinalli , Italy
			12:04	12:07	FL-087 H craniectomy 12-years review in isolated sagittal craniosynostosis: evidence of improvement in reintervention rate and Esthetique results, Giovanna Paternoster , France
12:05	12:52	Session on Basic Research and Trials <i>Co-Chairs: Kristian Aquilina & Todd Hankinson</i>	12:07	12:10	Discussion
12:05	12:20	Invited Lecture: Grokking the Homo sapiens rhombic lip: How understanding developmental biology allows us to prevent rather than treat medulloblastoma Michael Taylor	12:10	12:13	FL-088 Long-term morphological outcomes of surgical treatment for sagittal synostosis in infants younger than six months, Hamilton Matushita , Brazil
12:20	12:28	PF-060 TROPHY registry study – Surgical results from 6 months follow-up data, Ulrich Wilhelm Thomale , Germany	12:13	12:16	FL-089 Long-term follow-up in 415 operated cases with single suture scaphocephaly, Sofie Dietvorst , UK
12:28	12:36	PF-061 Site-targeted complement inhibition modifies recruitment and activation of microglia in a neonatal murine model of Germinal Matrix Hemorrhage, Devin Hatchell , US	12:16	12:19	FL-090 Papilloedema: a highly specific predictor of raised intracranial pressure in a complex neurosurgical paediatric cohort, Azam Ali Baig , UK
12:36	12:44	PF-062 Brain-derived immune cells are important role players in neuroinflammation, Ursula Rohlwink , South Africa	12:19	12:22	Discussion
12:44	12:52	PF-063 Genome-wide and transcriptome-wide association study of neural tube defects implicates primary defects in neurogenesis, Jeffrey Blount , US	12:22	12:25	FL-091 Utilization of intraoperative ultrasound in endoscopic sagittal suture synostosis repair to optimize incision planning, Ash Singhal , Canada

12:52	13:16	Flash Session on Basic Research and Trials <i>Co-Chairs: Kristian Aquilina & Todd Hankinson</i>	12:25	12:28	FL-092 A comparison of the percent of cerebrospinal fluid volume in patients with craniosynostosis before and after surgery using Voxel Based Morphometry, Hirokazu Nakatogawa , Japan
12:52	12:55	FL-098 Unveiling therapeutic potentials: Targeting heat shock protein 90 suppresses medulloblastoma cell proliferation and overcomes chemoresistance in medulloblastoma cancer stem cells, Chien Kai Wang , Taiwan	12:28	12:31	FL-093 Functional Posterior Calvarial Vault Distraction protocol – Maximising functional benefits with PCVD in syndromic craniosynostoses, Suhas Udayakumaran , India
12:55	12:58	FL-099 Feedback loops in medulloblastoma: The role of Ezh2 and Cyclin D1 in tumor dynamics, Ahmad Chahin , Canada	12:31	12:34	FL-094 Chaos to flow: Categorisation, nomenclature to problem mapping- Proposing a unified interdisciplinary language in craniosynostoses, Suhas Udayakumaran , India
12:58	13:01	FL-100 Nanoparticle-laden hydrogel bioink for targeted therapy in pediatric cranial defects, Wanda Lattanzi , Italy	12:34	12:37	Discussion
13:01	13:04	Discussion	12:37	12:40	FL-095 Ultra early endoscopic synostectomy in craniosynostosis, Aaron Mohanty , US
13:04	13:07	FL-101 Montanide ISA51 administration results in immunogenic cytokine release regardless of peptide vaccine administration, Eric Thompson , US	12:40	12:43	FL-096 Craniosynostosis in Africa: A systematic review and meta-analysis, Kwadwo Darko , Ghana
13:07	13:10	FL-102 Multimodal proteomic analysis of adamantinomatous craniopharyngioma reveals a complex interplay of collagen and inflammatory mediators that may contribute to normal tissue damage, Todd C. Hankinson , US	12:43	12:46	FL-097 Positional plagiocephaly: Orthotic treatment results based on anthropometric analysis, Maria Belen Vega , Argentina
13:10	13:13	FL-103 The Human Neuron Project. Optimisation of access to living neural tissue resected as part of a paediatric epilepsy surgery programme, Michael Rust Carter , UK	12:46	12:49	Discussion
13:13	13:16	Discussion			
13:16	14:35	LUNCH			
13:40	14:25	50th Annual Meeting Celebration supported by Integra			
14:35	15:00	Special Session <i>Chair: Gianpiero Tamburrini</i>			
14:35	14:45	Invited lecture: Our journal: History and perspectives Concezio di Rocco			
14:45	15:00	Academic Awards			
15:00	15:35	President's Invited Guest			
15:00	15:05	Introduction to President's Invited Guest <i>Benedetta Pettorini</i>			
15:05	15:35	President's Invited Guest Lecture The evolution of evidence based medicine in paediatric neurosurgery - How far have we come? Conor Mallucci			
15:35	15:45	ISPN 2025 Annual Meeting			
15:35	15:45	ISPN 2025 France Federico di Rocco			
15:45	16:45	COFFEE BREAK			
16:45	17:33	Session on Global Neurosurgery <i>Co-Chairs: Benjamin Warf & Teddy Totimeh</i>	16:45	17:25	Session on Vascular <i>Co-Chairs: Vincent Nga & Ian Kamaly</i>
16:45	16:53	PF-064 A single centre retrospective ten years of experience: The trends of pediatric neurosurgery cases from 2013 to 2022, Sheila Sumargo , Indonesia	16:45	16:53	PF-070 Multidisciplinary treatment of cerebral arteriovenous malformations in pediatric patients at National Taiwan University Hospital, Sheng Che Chou , Taiwan
16:53	17:01	PF-065 Geospatial analysis of access to emergency pediatric neurosurgery care in an underdeveloped country: The case of Peru, Milagros Niquen Jimenez , Peru	16:53	17:01	PF-071 Characteristics and treatment of intracranial aneurysms in children, Gao Zeng , China
17:01	17:09	PF-066 Virtual telementorship to instruct Selective Dorsal Rhizotomy technique in a Resident Cadaver Lab at Philippine General Hospital, Stephen Dann del Rosario , Philippines	17:01	17:09	PF-072 Management of paediatric arteriovenous malformations: Is SRS worth the wait, Richard J Edwards , UK
17:09	17:17	PF-067 Gemini Untwined – a Global Health Service for Craniopagus Twins, Noor Ul Owase Jeelani , UK	17:09	17:17	PF-073 Pediatric infectious aneurysms: individual patient pooled analysis on presentation, management and outcomes, Andrew Reisner , US
17:17	17:25	PF-068 Sub-Saharan African experience of neurosurgical-oncologic care: challenges and barriers encountered at 7 cancer treatment centers, Joseline Haizel Cobbina , US	17:17	17:25	PF-074 Pediatric cerebral aneurysm: Over 15 years' experience at the National Neuroscience Institution, Nora Alsedrani , Saudi Arabia
17:25	17:33	PF-069 The awareness of prenatal folic acid intake among mothers with hydrocephalic children at a Tertiary Institution in Lake Zone Region, Mwanza, Tanzania, Christopher Bonfield , US			

17:33	17:49	Flash Session on Global Neurosurgery <i>Co-Chairs: Benjamin Warf & Teddy Totimeh</i>	17:25	17:46	Flash Session on Vascular <i>Co-Chairs: Vincent Nga & Ian Kamaly</i>
17:33	17:36	FL-104 Pediatric neurosurgical outcomes: a retrospective cohort analysis of early outcomes at Bugando Medical Centre, Tanzania, Cyrus Elahi , US	17:25	17:28	FL-108 Transitions to adulthood and adult care in the management of pediatric arteriovenous malformations, Carla Richetta , US
17:36	17:39	FL-105 The landscape of obstacles to care for Pediatric Central Nervous System Tumors in Ghana – A qualitative analysis of health worker perspectives, Lakshmi Suryateja Gangavarapu , US	17:28	17:31	FL-109 Mechanical Thrombectomy in patients < 5 years of age, Andrew L Garton , US
17:39	17:42	FL-106 Global pediatric epilepsy surgery: a national collaborative referral network in Uganda, Sandi Lam , US	17:31	17:34	FL-110 Social and economic impacts of pediatric neurovascular surgery: A qualitative study of parent experiences, Rya Muller , US
17:42	17:45	FL-107 Intracranial trauma in Brazil, what do we know? An ecological study and geospatial analysis, Nelci Zanon Collange , Brazil	17:34	17:37	Discussion
17:45	17:49	Discussion	17:37	17:40	FL-111 Indirect revascularization for management of vascular steal phenomenon in brain arteriovenous malformations, Vitor Nagai Yamaki , UK
			17:40	17:43	FL-113 The economic and family impact of pediatric neurovascular surgery, Sunny Abdelmageed , US
			17:43	17:46	Discussion
17:50	18:50	Business Meeting (all ISPN society members)			
20:00	23:00	50TH ANNUAL SOCIETY NETWORKING DINNER			