

## 50th Annual Meeting of International Society for Pediatric Neurosurgery

### Scientific program

Monday, October 14, 2024

Hours		Hall A	Hours	Hall B
8:30	8:45	Welcome and Introduction		
8:45	10:18	Session on Laser Interstitial Thermal Therapy (LITT)		
8:45	9:00	Invited lecture: Daniel J. Curry		
9:00	9:15	Invited lecture: MRgLITT in the management of brain tumors on children. Indications, technique and preliminary results in 23 cases Giuseppe Cinalli		
9:15	9:23	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, <b>Martin M Tisdall</b> , UK		<b>NURSING SYMPOSIUM</b>  Detailed program to be announce mid July.
9:23	9:31	PF-002 Real-time Changes in Large-scale Thalamic Circuitry Following Laser Ablation of Hypothalamic Hamartomas, <b>Karim Mithani</b> , Canada		
9:31	9:39	PF-003 Laser ablation in drug resistant insular epilepsy – complications and seizure outcome, <b>Daniel Nilsson</b> , Sweden		
9:39	9:54	Invited lecture: Evolution of surgical techniques in paediatric epilepsy <b>Virginia Maixner</b>		
9:54	10:02	PF-004 Thalamic neuromodulation in pediatric patients with refractory epilepsy, <b>Saadi Ghatan</b> , US		
10:02	10:10	PF-005 Are fast ripples (250 – 500 Hz) biomarkers of pathological tissue in pediatric focal epilepsy? <b>Roy William Roland Dudley</b> , Canada		
10:10	10:18	PF-006 Intraoperative electrocorticography in epilepsy surgery: initial results in a resource-limited hospital, <b>Thang Nam Le</b> , Vietnam		
10:18	11:06	Flash Session		
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, <b>Aimee Goel</b> , 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, <b>Juliana Paola Mendoza Mantilla</b> , Colombia		
10:24	10:27	FL-003 Corticothalamic structural connectivity signatures in children with focal epilepsy, <b>Rory J Piper</b> , UK		
10:27	10:30	FL-004 Spectrum of FCD in surgically treated epilepsy patients, <b>Suchanda Bhattacharjee</b> , India		
10:30	10:34	Discussion		
10:34	10:37	FL-005 Mobility outcome following functional hemispherotomy for intractable epilepsy, <b>Lauren Baldwin</b> , UK		
10:37	10:40	FL-006 Clinical results of anatomical hemispherectomy as surgical treatment for <b>Rasmussen's Encephalitis</b> , <b>Zita Elizabeth Salazar Ramirez</b> , 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, <b>George Chandy Vilanilam</b> , 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, <b>Goichiro Tamura</b> , Japan		
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, <b>Hsin Hung Chen</b> , Taiwan		
10:53	10:56	FL-010 Low-intensity focused ultrasound to disrupt epileptogenesis: A proof-of-concept preclinical study, <b>Whitney Erin Parker</b> , US		
10:56	10:59	FL-011 Stereotactic radiofrequency anterior capsulotomy for paediatric Tourette syndrome, <b>Kostiantyn Kostiuik</b> , Ukraine		
10:59	11:02	FL-012 Seizure and educational attainment in children undergoing hippocampus-sparing temporal lobectomy (HSTL), <b>Yan Ting Woo</b> , UK		
11:02	11:06	Discussion		

11:06	11:35	COFFEE BREAK
11:35	12:38	Session on Cranio Cervical Junction
11:35	11:50	Invited Lecture: Dominic Thompson
11:50	11:58	PF-007 Foramen magnum stenosis in achondroplasia: a dynamic but not necessarily insidious process. A twenty-year cohort study, <b>Richard Moon</b> , UK
11:58	12:06	PF-008 Range of motion after occipitocervical and C1-2 posterior spinal instrumentation and fusion in children, <b>Richard Anderson</b> , US
12:06	12:14	PF-009 Temporal changes in tonsillar herniation and associated syringomyelia in so-called benign pediatric Chiari type I malformation, <b>Hiroaki Sakamoto</b> , Japan
12:14	12:22	PF-010 Pediatric cervical stenosis and instability: Exploring pathogenesis, treatment efficacy, and prospects ahead in 100 cases, <b>Olga M Sergeenko</b> , Russia
12:22	12:30	PF-011 Management of craniovertebral junctional anomalies in children less than 8 years age, <b>Chandan Mohanty</b> , India
12:30	12:38	PF-012 Variations of the atlas vertebra amongst children undergoing craniovertebral fixation, <b>Anita Ahmadi Birjandi</b> , Iran
12:38	13:10	Flash Session
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, <b>Guirish A Solanki</b> , UK
12:41	12:44	FL-014 Intraoperative neuromonitoring in Chiari I malformation surgery over the pediatric population: A systematic review and meta analysis, <b>Silvio De Oliveira Porto Junior</b> , Brazil
12:44	12:47	FL-015 Atlantoaxial rotatory fixation in children – a systematic review of contemporary management, <b>Thomas Beez</b> , Germany
12:47	12:50	FL-016 Calvarial bone graft for craniovertebral junction fixation in children, <b>Vitor Yamaki</b> , UK
12:50	12:54	Discussion
12:54	12:57	FL-017 A review of foramen magnum decompression for headache in the Irish paediatric population, <b>Emily O'Brien</b> , Ireland
12:57	13:00	FL-018 Endoscopic foramen magnum decompression for Chiari malformation type I, <b>Tomoru Miwa</b> , Japan
13:00	13:03	FL-019 Pediatric and syndromic CVJ anomalies: Lessons learnt. Bailout and salvage techniques, <b>Sachin A Borkar</b> , India
13:03	13:06	FL-020 Posterior angulation of dens in operated and non-operated Chiari cohort and implications, <b>Fardad T. Afshari</b> , UK
13:06	13:10	Discussion
13:10	14:25	LUNCH
13:20	14:05	Industry Luncheon Symposium
14:05	14:20	Education Award
14:25	15:25	Session on Technology and Innovation
14:25	14:40	Invited lecture: Developing optical and electromagnetic technologies for open, minimally invasive, and endovascular neurosurgical treatments <b>Victor Yang</b>
14:40	14:45	Discussion
14:45	14:53	PF-013 Automated artificial intelligence evaluation of upper extremity function using single view smartphone video, <b>Kevin Sun</b> , Canada
14:53	15:01	PF-014 Development of visual analytics tool to track adverse events, develop quality metrics and improve outcomes in pediatric neurosurgery, <b>George Jallo</b> , US
15:01	15:09	PF-015 Burr hole approach for tumor resection - Endoscopic ultrasonic aspirator use in a bi-center experience, <b>Ulrich Wilhelm Thomale</b> , Germany
15:09	15:17	PF-016 Novel Raman spectroscopy fiber optics system enables real-time intraoperative focal cortical dysplasia detection, <b>Alice Le Moël</b> , Canada
15:17	15:25	PF-017 Tubular single-port endoscopic assisted surgery for fetal myelomeningocele repair, <b>Sergio Cavalheiro</b> , Brazil
15:25	15:49	Flash Session
15:25	15:28	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, <b>Jack Read</b> , UK
15:28	15:31	FL-022 Development and validation techniques for machine learning outcome prediction in post-operative paediatric brain tumours; a step towards personalised medicine? <b>Catherine Pringle</b> , UK
15:31	15:34	FL-023 Exoscope efficacy and feasibility in pediatric spinal neurosurgery: A single-institution cohort case series, <b>Noah Lee Ahmad Nawabi</b> , US
15:34	15:37	Discussion
15:37	15:40	FL-024 Revolutionizing pediatric neurosurgical planning with high-resolution mixed reality: Beyond the conventional in craniopagus twins separation, <b>Ali Rezaei Haddad</b> , UK

15:40	15:43	FL-025 Medical education and technology: Brain surgery training with avatars, <b>Giselle Coelho</b> , Brazil
15:43	15:46	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, <b>Peter Chiarelli</b> , US
15:46	15:49	Discussion
15:49	16:49	<b>COFFEE BREAK</b>  <b>Poster Session 1</b>
16:50	17:53	<b>Session on Dysraphism</b>
16:50	17:05	<b>Invited lecture:</b> <b>Sandip Chatterje</b>
17:05	17:13	PF-018 Long-term outcomes after fetal Spina Bifida closure, <b>Charlotte C. Kik</b> , Netherlands
17:13	17:21	PF-019 Folic acid consumption among Hispanic women of reproductive age in the US: A systematic review, <b>Nicole Villalba</b> , US
17:21	17:29	PF-020 Urodynamic based early tethered cord release can preserve lower urinary tract function and avoid augmentation cystoplasty in patients with myelomeningocele, <b>Tomomi Kimiwada</b> , Japan
17:29	17:37	PF-021 Global variability in fetal Spina Bifida surgery: A survey of neurosurgical strategies, <b>Charlotte C Kik</b> , Netherlands
17:37	17:45	PF-022 Fetoscopic Prenatal spina bifida repair: How we developed this approach and how currently we do, <b>Jose Luis Peiro</b> , US
17:45	17:53	PF-023 The incidence of third-trimester motor function decline in postnatal repair myelomeningocele patients, <b>William Ernest Whitehead</b> , US
17:53	18:09	<b>Flash Session</b>
17:53	17:56	FL-027 Factors affecting retethering following surgery for spinal cord lipomas, <b>Shibu Vasudevan Pillai</b> , India
17:56	17:59	FL-028 Addressing the treatment challenges of children with spinal dysraphism in Ghana: An urgent call for action, <b>Moses Donkor</b> , Ghana
17:59	18:02	FL-029 Retethering risk in pediatric spinal lipoma of the conus medullaris, <b>Toshiaki Hayashi</b> , Japan
18:02	18:05	FL-030 Comparison of outcomes of early and late surgical interventions in Lipomeningomyelocele (LMMC) and Lipomeningocele (LMC), <b>Shahzeb Ahmad</b> , Pakistan
18:05	18:09	Discussion

Tuesday, October 15, 2024

Hours		Hall A
7:45	8:30	
8:30	9:10	<b>Session Title hydrocephalus</b>
8:30	8:45	<b>Invited lecture: Outcomes in paediatric hydrocephalus</b> <b>Kristian Aquilina</b>
8:45	9:00	<b>Invited lecture: Use of ultrasound diagnostics in managing pediatric diseases with potentially raised intracranial pressure</b> <b>Martin Schumann</b>
9:00	9:10	<b>Discussion</b>
9:10	9:58	<b>Session on Hydrocephalus</b>
9:10	9:18	PF-024 De novo variants truncating the LIM domain of LDB1 cause a novel human neurodevelopmental disorder featuring cerebral ventriculomegaly, <b>Neel H Mehta</b> , US
9:18	9:26	PF-025 Hydrocephalus treatment ETV/CPC vs VPS outcome in Al-Basheer Hospital, NeuroKids project- Jordan, <b>Benjamin Warf</b> , US
9:26	9:34	PF-026 Does machine learning improve prediction accuracy of the endoscopic third ventriculostomy success score? A contemporary hydrocephalus clinical research network cohort study, <b>Armaan K Malhotra</b> , Canada
9:34	9:42	PF-027 A multi-center study of non-invasive wireless assessment of CSF shunt function in hydrocephalus patients, <b>Sandi K. Lam</b> , US
9:42	9:50	PF-028 Exploring mechanisms driving ventricular catheter obstruction in patients with pediatric hydrocephalus: Insights from a multicenter shunt biobank study, <b>Prashant Hariharan</b> , US
9:50	9:58	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, <b>Conor Mallucci</b> , UK
9:58	10:58	<b>Flash Session</b>
9:58	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, <b>Mohamed Badran</b> , 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, <b>Monica Narayanaswamy</b> , 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), <b>Joseline Haizel Cobbina</b> , US
10:07	10:10	<b>Discussion</b>
10:10	10:13	FL-034 Evaluating a standardised algorithm for the management of posthaemorrhagic hydrocephalus in preterm infants, <b>Saniya Mediratta</b> , UK
10:13	10:16	FL-035 Comparative efficacy of ventriculosubgaleal shunt versus ventricular reservoir in achieving shunt independence for infants with post-hemorrhagic hydrocephalus by six months, <b>Lucinda Chiu</b> , 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, <b>Kerry Alexandra Vaughan</b> , Tanzania
10:19	10:22	FL-037 Comparison of third ventriculostomy alone versus with cauterization of the choroid plexus in infants: Preliminary results, <b>Artur Henrique Galvao Bruno Da Cunha</b> , Brazil
10:22	10:26	<b>Discussion</b>
10:26	10:29	FL-038 Surgical management of hydrocephalus in open myelomeningocele, <b>Benjamin Hall</b> , UK
10:29	10:32	FL-039 Jugular foramen stenosis in infants with external hydrocephalus, <b>Giuseppe Cinalli</b> , Italy
10:32	10:35	FL-040 Why do ventricles dilate? A thermodynamic perspective, <b>Michael Egnor</b> , 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, <b>Kevin Ferraris</b> , Canada
10:38	10:42	<b>Discussion</b>
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), <b>Adrienne L Davis</b> , 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, <b>Kevin Jude Sudevan</b> , India
10:48	10:51	FL-044 Elevated systemic venous pressures as a common pathology in prepubertal pediatric idiopathic intracranial hypertension, <b>Marianne Juhler</b> , Denmark
10:51	10:54	FL-045 Radiologic signs in endoscopic third ventriculocisternostomy in non-communicating pediatric hydrocephalus, <b>Davit Tatoshvili</b> , Germany
10:54	10:58	<b>Discussion</b>
11:00	11:30	<b>COFFEE BREAK</b>

<b>11:30</b>	<b>12:16</b>	<b>Session on Trauma</b>
11:30	11:45	<b>Invited lecture:</b> <b>Ajay Sinha</b>
11:45	12:00	<b>Invited lecture:</b> <b>Anthony Figaji</b>
12:00	12:08	PF-030 Paediatric head injury – How it is different from adult head injury, <b>Chhitij Srivastava</b> , India
12:08	12:16	PF-031 Addressing pediatric severe Traumatic Brain Injury (TBI) in Ghana: A comprehensive analysis, <b>Samuel Kwasi Dwomoh</b> , Ghana
<b>12:16</b>	<b>12:32</b>	<b>Flash Session</b>
12:16	12:19	FL-046 Improving hospital resource utilization through an advanced practice provider-led pediatric head injury outpatient clinic, <b>Stefanie Hartman</b> , US
12:19	12:22	FL-047 Neurotrauma and post-traumatic seizures in pediatric patients at an urban level 2 trauma center: A retrospective study, <b>Eric Alexander Grin</b> , US
12:22	12:25	FL-048 Complexity of skull fractures in children: Characteristic features, clinical assessment and imaging, <b>Alkim Demirci</b> , Bulgaria
12:25	12:28	FL-049 To what degree does prophylactic anti-seizure medication improve outcomes in children following a traumatic brain injury (TBI)? <b>Soham Bandyopadhyay</b> , UK
12:28	12:32	Discussion
<b>12:32</b>	<b>13:07</b>	<b>Presidential Address</b>
12:32	12:37	<b>Introduction to Presidential Address</b>
12:37	13:07	<b>Presidential Address</b> <b>Shlomi Constantini</b>
<b>13:07</b>	<b>14:20</b>	<b>LUNCH</b>
<b>13:35</b>	<b>14:15</b>	<b>Industry Luncheon Symposium</b>
<b>14:20</b>	<b>14:35</b>	<b>Presentations awards</b>
<b>14:35</b>	<b>14:50</b>	<b>Cultural Lecture</b>
14:35	14:50	<b>Devin Singh</b>
<b>14:50</b>	<b>15:38</b>	<b>Session on Functional</b>
14:50	14:58	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, <b>Wenbin Jiang</b> , China
14:58	15:06	PF-033 Selective Dorsal Rhizotomy – Quality of life and spasticity outcomes at 5-year follow-up – the Leeds experience, <b>John Goodden</b> , UK
15:06	15:14	PF-034 Effect of selective dorsal rhizotomy on bladder dysfunction in children with spastic cerebral palsy: Correlation with intraoperative neurophysiology monitoring, <b>Wenbin Jiang</b> , China
15:14	15:22	PF-035 The application of neurosurgical treatments for pediatric chronic pain, <b>Sunny Abdelmageed</b> , US
15:22	15:30	PF-036 Robot-assisted implantation of bilateral GPI DBS electrodes in children with dystonia: experience of planning software integration with bespoke surgical tooling, <b>Moumin Awadelkarim K Mohamed</b> , UK
15:30	15:38	PF-037 Are intrathecal baclofen test doses needed prior to intrathecal pump implantation? Experience of a tertiary multidisciplinary paediatric complex movement disorder clinic, <b>Jack Wildman</b> , UK
<b>15:38</b>	<b>16:02</b>	<b>Flash Session</b>
15:38	15:41	FL-050 Multimodal neurosurgical therapy for cases of severe refractory hypertonia: a case series, <b>Gloria H. Bae</b> , US
15:41	15:44	FL-051 The (missing) impact of Selective Dorsal Rhizotomy (SDR) on Cerebral Palsy (CP) treatment -concepts, <b>Maria Abel</b> , Germany
15:44	15:47	FL-052 SDR for genetic diseases, can be effective, <b>Sybil James</b> , France
15:47	15:50	Discussion
15:50	15:53	FL-053 Woof Woof! What lessons can paediatric epilepsy surgeons learn from helping set up a canine VNS programme? <b>Michael Rust Carter</b> , UK
15:53	15:56	FL-054 Evaluation of the effect of vagal nerve stimulation with the SenTiva M1000 device on seizure frequency in paediatric patients, <b>Milan Makwana</b> , UK
15:56	15:59	FL-055 Characteristics of pediatric drug resistant epilepsy responders and nonresponders to vagus nerve stimulation: a retrospective cohort study, <b>James Mossner</b> , US
15:59	16:02	Discussion

16:02	17:02	COFFEE BREAK
		Poster Session 2
17:02	18:06	Top Abstracts Session
17:02	17:10	PF-038 Post-operative ocular motility disorders in children with posterior fossa tumours: 24 years' GOSH experience, <b>Nishchit Hegde</b> , UK
17:10	17:18	Discussant: Conor Mallucci
17:18	17:26	PF-039 Bridging pediatric epilepsy surgery with basic science: From SEEG to intracellular recordings, <b>Adriano Cattani</b> , Canada
17:26	17:34	Discussant: Suchanda Bhattacharjee
17:34	17:42	PF-040 Embolization vs stereotactic radiosurgery for arteriovenous malformations in children. A comparative trial between two large referral centers, <b>Noa Schwartz</b> , Israel
17:42	17:50	Discussant: Edward Smith
17:50	17:58	PF-041 Functional benefit following Selective Dorsal Rhizotomy in ambulant diplegic cerebral palsy shows continued growth in functional improvement at 2 years, <b>George Richard Hudson</b> , UK
17:58	18:06	Discussant: Benedetta Pettorini

Wednesday, October 16, 2024

Hours		Hall A	Hours	Hall B
8:30	10:04	<b>Session on Oncology</b>		
8:30	8:45	<b>Invited lecture:</b> <b>James Rutka</b>		
8:45	9:00	<b>Invited lecture:</b> <b>Uri Tabori</b>		
9:00	9:08	PF-042 From vein to brain: enhancing trafficking of CAR T-cells to diffuse midline glioma, <b>Louise F Steele Saukila</b> , UK		
9:08	9:16	PF-043 Intraoperative ultra-fast deep-learned CNS tumor classification and its impact on pediatric neurosurgical decision making, <b>Mariska Sie</b> , Netherlands		
9:16	9:24	PF-044 External validation of predictive models for postoperative hydrocephalus in pediatric patients with posterior fossa tumors, <b>Hendrik-Jan Mijderwijk</b> , Germany		
9:24	9:32	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, <b>Tai Tong Wong</b> , Taiwan		
9:32	9:40	PF-046 Revisiting the application of intraoperative MRI in maximizing complete resection in pediatric LGG, <b>Sofie Dietvorst</b> , UK		
9:40	9:48	PF-047 Neurosurgical outcomes for pediatric medulloblastoma in 8 Low- and Middle-Income Countries, <b>Ronnie E Baticulon</b> , Philippines		
9:48	9:56	PF-048 Long-term outcomes of paediatric craniopharyngiomas: multi-centre comparative study, <b>Vitor Nagai Yamaki</b> , UK		
9:56	10:04	PF-049 International rare brain tumor program: Paving the pathway to cure rare brain tumors, <b>Adriana Fonseca</b> , US		
10:04	10:32	<b>Flash Session</b>	10:04	10:44
10:04	10:07	FL-056 Navigated intraoperative ultrasound in pediatric brain tumors, <b>Kevin Klein Gunnewiek</b> , Netherlands	10:04	10:12
10:07	10:10	FL-057 Radioresistant cell surface molecules in paediatric diffuse midline glioma brainstem tumours: a preclinical in vitro study, <b>Sharon Yin Yee Low</b> , Singapore	10:12	10:20
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), <b>Martin Ulrich Schuhmann</b> , Germany	10:20	10:28
10:13	10:16	Discussion	10:28	10:36
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, <b>Wu Qiang Che</b> , China	10:36	10:44
10:19	10:22	FL-060 The comparative outcomes in effectiveness of transcallosal interhemispheric over transcortical approach for pediatric intraventricular tumors, <b>Hanna Salauyeva</b> , Belarus		
10:22	10:25	FL-061 The changes in attitude to paediatric tumour sampling for diagnostic and research purposes from 2014 to 2024, <b>Yazan El Adwan</b> , 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, <b>Gregory Keating</b> , US		
10:28	10:32	Discussion		
10:32	11:05	<b>COFFEE BREAK</b>		
11:05	12:09	<b>Flash session 2</b>	11:05	11:45
11:05	11:08	FL-063 From clinical to imaging: The application of machine learning in the differential diagnosis of Pineal Region Germinoma, <b>Ningrong Ye</b> , China	11:05	11:13
11:08	11:11	FL-064 Role of Bevacizumab in Giant progressive Vestibular Schwannomas in NF2 patients following gamma Knife Radiosurgery, <b>Deepak Agrawal</b> , India	11:13	11:21
11:11	11:14	FL-065 Aggressive surgical resection for children craniopharyngioma based on prerequisite for hypothalamic preservation: a series of 782 pediatric patients, <b>Shi Xiang Xiangen</b> , China	11:21	11:29
11:14	11:17	FL-066 Radical resection of large and giant craniopharyngiomas in children may decrease need for adjuvant radiotherapy, <b>Jillian H Plonsker</b> , US	11:29	11:37
11:17	11:21	Discussion	11:37	11:45
11:21	11:24	FL-067 Identification and validation of the ferroptosis related hub genes by unsupervised machine learning in medulloblastoma, <b>Qijia Zhan</b> , China		
11:24	11:27	FL-068 Hypnosis and pediatric awake neurosurgery, <b>Pierre Aurélien Beuriat</b> , 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, <b>Aprajita Chaturvedi</b> , India		
11:30	11:33	FL-070 Children with optic pathway gliomas transitioning to adult care – an institutional experience, <b>Franzisca Loebel</b> , UK		
11:33	11:37	Discussion	11:45	13:00
				<b>Flash Session</b>

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, <b>Seung Ki Kim</b> , South Korea	11:45	11:48	FL-079 Endoscopic treatment of isolated lambdoid craniosynostosis and the ongoing improvement in craniofacial deformity over time, <b>Vincent Aquino</b> , US	
11:40	11:43	FL-072 Characterization of the pattern of leptomeningeal metastasis in childhood medulloblastoma, <b>Daniel P Sexton</b> , US	11:48	11:51	FL-080 Diagonal compensatory enlargement of venous sinuses in non-syndromic craniosynostosis: A study of intracranial venous drainage patterns, <b>Vich Yindeedej</b> , Thailand	
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, <b>Natasha Aziz</b> , UK	11:51	11:54	FL-081 Long-term results of minimally invasive strip craniectomy without helmet therapy for scaphocephaly – a single-centre experience, <b>Katharina Lutz</b> , Switzerland	
11:46	11:49	FL-074 Copy number variation in Sonic Hedgehog (SHH)-Medulloblastoma: inhibitors of HDAC and PI3K as potential therapeutic options, <b>Meena Jhanwar-Uniyal</b> , US	11:54	11:57	Discussion	
11:49	11:53	Discussion	11:57	12:00	FL-082 Application of virtual planning and 3D printing guide in surgical management of craniosynostosis, <b>Kuan Lin Wu</b> , Taiwan	
11:53	11:56	FL-075 Should post-operative stereotactic radiosurgery be the standard of care in craniopharyngioma patients? <b>Deepak Agrawal</b> , India	12:00	12:03	FL-083 Management of craniosynostosis patients: Insights from Patient-Reported Outcome Measures (PROMs), <b>Marc Lecouat</b> , France	
11:56	11:59	FL-076 Simultaneous single-trajectory endoscopic biopsy and third ventriculostomy in pediatric pineal region tumors: A systematic review and single arm meta-analysis, <b>Silvio De Oliveira Porto Junior</b> , Brazil	12:03	12:06	FL-084 Open versus endoscopic surgery for the management of patients with non-syndromic craniosynostosis: an analysis of treatment and costs of related outcomes, <b>Javier Cuellar Hernandez</b> , Mexico	
11:59	12:02	FL-077 Cushing’s disease in children – Challenges and outcomes over 15 years in a single centre, <b>Ahmed El Naggar</b> , UK	12:06	12:09	Discussion	
12:02	12:05	FL-078 The learning curve for intra-operative MRI in a single centre, <b>Chloé Louise Gelder</b> , UK	12:09	12:12	FL-085 Early endoscopic strip craniectomy for treatment of bilateral coronal synostosis in children with apert syndrome, <b>Emma Hartman</b> , US	
12:05	12:09	Discussion	12:12	12:15	FL-086 Changes in cerebral blood flow following cranial vault remodeling in craniosynostosis, <b>Giuseppe Cinalli</b> , Italy	
12:09	13:05	<b>Session on Basic Research and Trials</b>		12:15	12:18	FL-087 H craniectomy 12-years review in isolated sagittal craniosynostosis: evidence of improvement in reintervention rate and Esthetic results, <b>Giovanna Paternoster</b> , France
12:09	12:24	<b>Invited Lecture: Michael Taylor</b>		12:18	12:21	Discussion
12:24	12:32	PF-060 TROPY registry study – Surgical results from 6 months follow-up data, <b>Ulrich Wilhelm Thomale</b> , Germany	12:21	12:24	FL-088 Long-term morphological outcomes of surgical treatment for sagittal synostosis in infants younger than six months, <b>Hamilton Matushita</b> , Brazil	
12:32	12:40	PF-061 Site-targeted complement inhibition modifies recruitment and activation of microglia in a neonatal murine model of Germinal Matrix Hemorrhage, <b>Devin Hatchell</b> , US	12:24	12:27	FL-089 Long-term follow-up in 415 operated cases with single suture scaphocephaly, <b>Sofie Dietvorst</b> , UK	
12:40	12:48	PF-062 Brain-derived immune cells are important role players in neuroinflammation, <b>Ursula Rohlwick</b> , South Africa	12:27	12:30	FL-090 Papilloedema: a highly specific predictor of raised intracranial pressure in a complex neurosurgical paediatric cohort, <b>Azam Ali Baig</b> , UK	
12:48	12:56	PF-063 Genome-wide and transcriptome-wide association study of neural tube defects implicates primary defects in neurogenesis, <b>Jeffrey Blount</b> , US	12:30	12:33	Discussion	
		Flash		12:33	12:36	FL-091 Utilization of intraoperative ultrasound in endoscopic sagittal suture synostosis repair to optimize incision planning, <b>Kevin Ferraris</b> , Canada
12:56	12:59	FL-098 Unveiling therapeutic potentials: Targeting heat shock protein 90 suppresses medulloblastoma cell proliferation and overcomes chemoresistance in medulloblastoma cancer stem cells, <b>Chien Kai Wang</b> , Taiwan	12:36	12:39	FL-092 A comparison of the percent of cerebrospinal fluid volume in patients with craniosynostosis before and after surgery using Voxel Based Morphometry, <b>Hirokazu Nakatogawa</b> , Japan	
12:59	13:02	FL-099 Feedback loops in medulloblastoma: The role of Ezh2 and Cyclin D1 in tumor dynamics, <b>Ahmad Chahin</b> , Canada	12:39	12:42	FL-093 Functional Posterior Calvarial Vault Distraction protocol – Maximising functional benefits with PCVD in syndromic craniosynostoses, <b>Suhas Udayakumaran</b> , India	
13:02	13:05	FL-100 Nanoparticle-laden hydrogel bioink for targeted therapy in pediatric cranial defects, <b>Wanda Lattanzi</b> , Italy	12:42	12:45	FL-094 Chaos to flow: Categorisation, nomenclature to problem mapping- Proposing a unified interdisciplinary language in craniosynostoses, <b>Suhas Udayakumaran</b> , India	
13:05	13:08	Discussion	12:45	12:48	Discussion	
13:08	13:11	FL-101 Montanide ISA51 administration results in immunogenic cytokine release regardless of peptide vaccine administration, <b>Eric Thompson</b> , US	12:48	12:51	FL-095 Ultra early endoscopic synostectomy in craniosynostosis, <b>Brian T Oliver</b> , US	
13:11	13:14	FL-102 Multimodal proteomic analysis of adamantinomatous craniopharyngioma reveals a complex interplay of collagen and inflammatory mediators that may contribute to normal tissue damage, <b>Todd C. Hankinson</b> , US	12:51	12:54	FL-096 Craniosynostosis in Africa: A systematic review and meta-analysis, <b>Kwadwo Darko</b> , Ghana	
13:14	13:17	FL-103 The Human Neuron Project. Optimisation of access to living neural tissue resected as part of a paediatric epilepsy surgery programme, <b>Michael Ashby</b> , UK	12:54	12:57	FL-097 Positional plagiocephaly: Orthotic treatment results based on anthropometric analysis, <b>Maria Belen Vega</b> , Argentina	
13:17	13:20	Discussion	12:57	13:00	Discussion	
13:20	14:35	<b>LUNCH</b>				
13:35	14:35	<b>Industry Luncheon Symposium: Anniversary Celebration</b>				
14:35	14:45	<b>Invited lecture: Our Journal: History and perspectives</b> <b>Concezio di Rocco</b>				
14:45	15:00	<b>Academic Awards</b>				
15:00	15:35	<b>President’s Invited Guest</b>				
15:00	15:05	<b>Introduction to President’s Invited Guest</b>				
15:05	15:35	<b>President’s Invited Guest Lecture</b>				
15:35	15:45	<b>ISPN 2025 Meeting</b>				
15:35	15:45	<b>ISPN 2025 France</b>				



15:45	16:45	<b>COFFEE BREAK</b>					
<b>Poster Session 3</b>							
<b>16:45</b>	<b>17:33</b>	<b>Session on Global Neurosurgery</b>		<b>16:45</b>	<b>17:25</b>	<b>Session on Vascular</b>	
16:45	16:53	PF-064 A single centre retrospective ten years of experience: The trends of pediatric neurosurgery cases from 2013 to 2022, <b>Sheila Sumargo</b> , Indonesia		16:45	16:53	PF-070 Multidisciplinary treatment of cerebral arteriovenous malformations in pediatric patients at National Taiwan University Hospital, <b>Sheng Che Chou</b> , Taiwan	
16:53	17:01	PF-065 Geospatial analysis of access to emergency pediatric neurosurgery care in an underdeveloped country: The case of Peru, <b>Milagros Niquen Jimenez</b> , Peru		16:53	17:01	PF-071 Characteristics and treatment of intracranial aneurysms in children, <b>Gao Zeng</b> , China	
17:01	17:09	PF-066 Virtual telementorship to instruct Selective Dorsal Rhizotomy technique in a Resident Cadaver Lab at Philippine General Hospital, <b>Stephen Dann del Rosario</b> , Philippines		17:01	17:09	PF-072 Management of paediatric arteriovenous malformations: Is SRS worth the wait, <b>Richard J Edwards</b> , UK	
17:09	17:17	PF-067 Gemini Untwined – a Global Health Service for Craniopagus Twins, <b>Noor Ul Owase Jeelani</b> , UK		17:09	17:17	PF-073 Pediatric infectious aneurysms: individual patient pooled analysis on presentation, management and outcomes, <b>Andrew Reisner</b> , US	
17:17	17:25	PF-068 Sub-Saharan African experience of neurosurgical-oncologic care: challenges and barriers encountered at 7 cancer treatment centers, <b>Joseline Haizel Cobbina</b> , US		17:17	17:25	PF-074 Pediatric cerebral aneurysm: Over 15 years’ experience at the National Neuroscience Institution, <b>Nora Aisedrani</b> , 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, <b>Christopher Bonfield</b> , US					
<b>17:33</b>	<b>17:49</b>	<b>Flash Session</b>		<b>17:25</b>	<b>17:49</b>	<b>Flash Session</b>	
17:33	17:36	FL-104 Pediatric neurosurgical outcomes: a retrospective cohort analysis of early outcomes at Bugando Medical Centre, Tanzania, <b>Cyrus Elahi</b> , US		17:25	17:28	FL-108 Transitions to adulthood and adult care in the management of pediatric arteriovenous malformations, <b>Carla Richetta</b> , 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, <b>Lakshmi Suryateja Gangavarapu</b> , US		17:28	17:31	FL-109 Mechanical Thrombectomy in patients < 5 years of age, <b>Andrew L Garton</b> , US	
17:39	17:42	FL-106 Global pediatric epilepsy surgery: a national collaborative referral network in Uganda, <b>Sandi Lam</b> , US		17:31	17:34	FL-110 Social and economic impacts of pediatric neurovascular surgery: A qualitative study of parent experiences, <b>Rya Muller</b> , US	
17:42	17:46	FL-107 Intracranial trauma in Brazil, what do we know? An ecological study and geospatial analysis, <b>Nelci Zanon Collange</b> , Brazil		17:34	17:37	Discussion	
17:46	17:49	Discussion		17:37	17:40	FL-111 Indirect revascularization for management of vascular steal phenomenon in brain arteriovenous malformations, <b>Vitor Nagai Yamaki</b> , UK	
				17:40	17:43	FL-112 Pediatric Basilar Aneurysm: Surgical decision-making and technical nuances for optimal management – A case report, <b>Nadiyah Ahmad Fuad</b> , Malaysia	
				17:43	17:46	FL-113 The economic and family impact of pediatric neurovascular surgery, <b>Sunny Abdelmageed</b> , US	
				17:46	17:49	Discussion	
<b>17:49</b>	<b>18:49</b>	<b>Business Meeting (all ISPN society members)</b>					
<b>20:00</b>	<b>23:00</b>	<b>50TH ANNUAL SOCIETY NETWORKING DINNER Farewell to ISPN 2024 Toronto &amp; Poncho Ceremony</b>					