

4³rd ANNUAL MEETING

American Society of Pediatric Neurosurgeons

January 26–31, 2020 GRAND HYATT BAHAMA MAR | NASSAU, BAHAMAS

Program

Sunday, January 26th

3:00 pm – 4:00 pm	Registration	<i>New Providence Foyer</i>
5:00 pm -7:00 pm	Welcome Reception <i>Guest Introductions will be given during the Reception at 6:00 pm</i>	<i>Hibiscus Lawn</i>

Monday, January 27th

7:15 am – 12:10 pm	Registration	<i>New Providence Foyer</i>
7:15 am – 9:15 am	Breakfast for Registered Physicians and Registered Guests	<i>Banyan Terrace</i>
8:00 am – 8:15 am	Welcoming Remarks with Tribute to Dr. Tim George James Drake, MD & Jay Wellons, MD	
8:15 am – 9:30 am	General Session I: General Abstracts Moderators: Eric Thompson, MD & Howard Weiner, MD	<i>New Providence 1-2</i>
8:15 am – 8:24 am	Abstract #1: Post-Operative Fever Workup in Pediatric Neurosurgery Patients Matthew Adamo, MD	
8:24 am – 8:27am	Q&A	
8:27 am – 8:36 am	Abstract #2: Optical Coherence Tomography Can Detect Elevated Intracranial Pressure in Craniosynostosis Shih-Shan Chen, MD	
8:36 am – 8:39 am	Q&A	
8:39 am – 8:48 am	Abstract #3: A Site in the Human Amygdala that Inhibits Respiration and Elicits Apnea during Seizures in Pediatric Epilepsy Brian Dlouhy, MD	
8:48 am – 8:51 am	Q&A	
8:51 am – 9:00 am	Abstract #4: Predictive Factors for Definitive CSF Diversion in Post-hemorrhagic Hydrocephalus Ramin Eskandari, MD	
9:00 am – 9:03 am	Q&A	
9:03 am – 9:12 am	Abstract #5: Short-term Functional Outcomes of Infra-Conus Mini-Laminotomy for Selective Dorsal Rhizotomy: A Surgical and Rehabilitative Perspective Neena Marupudi, MD	
9:12 am – 9:15 am	Q&A	
9:15 am – 9:24 am	Abstract #6: Use of High-Density Subdural Grid to Increase Precision of Functional Mapping and Seizure Onset Zone Localization Joffre Olaya, MD	
9:24 am – 9:27 am	Q&A	
9:30 am – 9:50 am	Beverage Break	<i>New Providence Foyer</i>

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9:50 am – 11:00 am	General Session II: General Abstracts - Hydrocephalus /Congenital Moderators: Susan Durham, MD & John Myseros, MD	<i>New Providence 1-2</i>
9:50 am – 9:58 am	Abstract #7: Prenatal Closure of Myelomeningoceles Reduces Chiari-associated Brainstem Dysfunction Paul Grabb, MD	
9:58 am – 10:01 am	Q&A	
10:01 am – 10:09 am	Abstract #8: The Hydrodynamic Properties of Commonly used Ventriculoperitoneal Shunts Usiakimi Igbaseimokumo, MD	
10:09 am – 10:12 am	Q&A	
10:12 am – 10:20 am	Abstract #9: Ventricular-peritoneal Shunt Overdrainage is Driven by Gravity and Cerebrospinal Fluid Pulsations: Computer Simulation and Benchtop Testing Bermans Iskandar, MD	
10:20 am – 10:23 am	Q&A	
10:23 am – 10:31 am	Abstract #10: Postinfectious Hydrocephalus: Mechanisms and Prevention Shenandoah Robinson, MD	
10:31 am – 10:34 am	Q&A	
10:34 am – 10:42 am	Abstract #11: Antibiotic or Silver vs. Standard Ventriculoperitoneal Shunts (BASICS): A Multi-centre, Single-blinded, Randomised Trial Conor Mallucci, MD	
10:42 am – 10:45 am	Q&A	
10:45 am – 10:53 am	Abstract #12: Reliability of the Radiopharmaceutical Shunt Flow Study in the Presence of Stable Ventricular Size for the Detection of a Cerebrospinal Fluid Shunt Gordon McComb, MD	
10:53 am – 10:56 am	Q&A	
11:00 am – 12:00 pm	General Session III: Hoffman Lecture Introduction of Hoffman Lecturer: James Drake, MD Hoffman Lecture –Machine Learning In and Out of the OR Frank Rudzicz, PhD	<i>New Providence 1-2</i>
2:00 pm – 3:15 pm	Family Activity: 5K/10K Run	<i>Hotel Lobby</i>

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Tuesday, January 28th

7:15 am – 12:00 pm	Registration	<i>New Providence Foyer</i>
7:15 am – 9:15 am	Breakfast for Registered Physicians and Registered Guests	<i>Banyan Terrace</i>
8:00 am – 9:36 am	General Session IV: Guest Abstracts Moderators: Matthew Smyth, MD & Angela Price, MD	<i>New Providence 1-2</i>
8:00 am – 8:09 am	Abstract #13: Corpus Callosotomy Performed with Laser Interstitial Therapy— An Initial Experience Jared Roland, MD	
8:09 am – 8:12 am	Q&A	
8:12 am – 8:21 am	Abstract #14: Early Intervention: The Use of a Simple Home Care Program in the Post—Craniotomy Patient to Reduce Readmission and Lower the Overall Cost of Care Brian Rothstein, MD	
8:21 am – 8:24 am	Q&A	
8:24 am – 8:33 am	Abstract #15: Feasibility of Using Computational MRI to Identify Epileptic Foci in Children Heather Spader, MD	
8:33 am – 8:36 am	Q&A	
8:36 am – 8:45 am	Abstract #16: Craniosynostosis is a Concern for Patients with Chiari and Idiopathic Intracranial Hypertension and Misdiagnosis can Lead to Incorrect Treatment of the Patient Ashley Tian, MD	
8:45 am – 8:48 am	Q&A	
8:48 am – 8:57 am	Abstract #17: Identification of New Chromosomal Abnormality in a Familial X-linked Congenital Hydrocephalus Pedigree Tong Yang, MD	
8:57 am – 9:00 am	Q&A	
9:00 am – 9:09 am	Abstract #18: Analysis of Factors that Influence Neurosurgical Length of Hospital Stay Among Newly Diagnosed Pediatric Brain Tumor Patients Blake Yarascavitch, MD	
9:09 am – 9:12 am	Q&A	
9:12 am – 9:21 am	Abstract #19: Long Term Outcome of Rhizotomy for the Management of Childhood Spasticity— Functional Improvement and Complications Albert Tu, MD	
9:21 am – 9:24 am	Q&A	
9:24 am – 9:33 am	Abstract #20: The Impact of Resident Work-related Factors on Risk for Burnout: A Global Neurosurgery Pilot Study Hasan Syed, MD	
9:33 am – 9:36 am	Q&A	

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9:36 am – 10:31 am	General Session V: General Abstracts: Spine Moderators: David Limbrick, MD & Jay Wellons, MD	<i>New Providence 1-2</i>
9:36 am – 9:44 am	Abstract #21: Non-opioid Pain Control following Chiari Malformation Surgery in Children: An Initial Experience with Injectable Liposomal Bupivacaine (Exparel) Edward Ahn, MD	
9:44 am – 9:47 am	Q&A	
9:47 am – 9:55 am	Abstract #22: Natural History of Pediatric Chiari Type 1 Malformation: A Retrospective Analysis Gregory Albert, MD	
9:55 am – 9:58 am	Q&A	
9:58 am – 10:06 am	Abstract #23: Surgical Correction of Cervical Kyphosis in Diastrophic Dysplasia with Anterior Corpectomy, Posterior Tethering with 3600 Fusion Jeffrey Campbell, MD	
10:06 am – 10:09 am	Q&A	
10:09 am – 10:17 am	Abstract #24: Pediatric Pathology All Grown Up - An Interesting Case of Adult Tethered Spinal Cord Lance Governale, MD	
10:17 am – 10:20 am	Q&A	
10:20 am – 10:28 am	Abstract #25: Fetoscopic, Multi-layer Closure for Antenatal Treatment of Myelomeningocele: Technical Considerations and Clinical Outcomes in 35 Consecutive Cases Charles Stevenson, MD	
10:28 am – 10:31 am	Q&A	
10:31 am – 11:00 am	Beverage Break	<i>New Providence Foyer</i>
11:00 am – 12:00 pm	General Session VI: Presidential Address James Drake, MD	<i>New Providence 1-2</i>
7:00 pm	Optional: Casino Night	

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Wednesday, January 29th

7:15 am – 12:00 pm	Registration	<i>New Providence Foyer</i>
7:15 am – 8:00 am	Fellowship Director's Meeting	<i>Banyan Terrace</i>
7:15 am – 9:15 am	Breakfast for Registered Physicians and Registered Guests	<i>Banyan Terrace</i>
8:00 am – 10:00 am	General Session VII: Complications & Interesting Cases Moderators: Karin Muraszko, MD & Mark Krieger, MD	<i>New Providence 1-2</i>
8:00 am – 8:08 am	Abstract #26: A Complex Case of Late Diagnosis of a Sagittal Synostosis with Intracranial Pressure Eylem Ocal, MD	
8:08 am- 8:11 am	Q&A	
8:11 am – 8:19 am	Abstract #27: Beware of the Gummy Bear: Intraoperative Anaphylaxis to Gelatin-Containing Surgical Sealant Susan Durham, MD	
8:19 am – 8:22 am	Q&A	
8:22 am – 8:30 am	Abstract #28: A Complicated Case of Hydrocephalus Naina Gross, MD	
8:30 am – 8:33 am	Q&A	
8:33 am – 8:41 am	Abstract #29: Neuroendoscopic Evacuation of a Post-operative Intraventricular Empyema; Technical Pearl and Lessons Learned from this Post-operative Complication Violette Recinos, MD	
8:41 am – 8:44 am	Q&A	
8:44 am – 8:52 am	Abstract #30: A Case of Atlanto-Axial Rotatory Subluxation and Progressive Multi-Suture Craniosynostosis Krystal Tomei, MD	
8:52 am – 8:55 am	Q&A	
8:55 am – 9:03 am	Abstract #31: Treatment of Baclofen Pump Infections While Avoiding Baclofen Withdrawal Gregory Albert, MD	
9:03 am – 9:06 am	Q&A	
9:06 am – 9:14 am	Abstract #32: Early Endoscopic Ventricular Irrigation of Gram Negative Meningitis Prevents Loculated Hydrocephalus Michael Burke, MD	
9:14 am – 9:17 am	Q&A	
9:17 am – 9:25 am	Abstract #33: Unexpected Binding of Tozuleristide "Tumor Paint" to a Cavernous Vascular Malformation: A Novel Application of Fluorescent Guided Surgery? Al Cohen, MD	
9:25 am – 9:28 am	Q&A	

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9:28 am – 9:36 am	Abstract #34: Case Presentation: Acquired Chiari Malformation Secondary to Thoracic Cyst and Tethered Spinal Cord Holly Gilmer, MD	
9:36 am – 9:39 am	Q&A	
9:39 am – 9:47 am	Abstract #35: Subpial Tonsil Resection for Immediate Disimpaction of the Cervicomedullary Junction Paul Klimo, MD	
9:47 am – 9:50 am	Q&A	
9:50 am – 9:58 am	Abstract #36: Cannabinoids and Cancer – Case Report Monica Wehby, MD	
9:58 am – 10:01 am	Q&A	
10:05 am – 10:30 am	Beverage Break	<i>New Providence Foyer</i>
10:30 am – 11:47 am	General Session VIII: General Abstracts – Epilepsy/Functional Moderators: Greg Albert, MD & Tsulee Chen, MD	<i>New Providence 1-2</i>
10:30 am – 10:38 am	Abstract #37: Impact of Infantile Epilepsy Surgery on Neurodevelopment in Tuberous Sclerosis Complex Jeffrey Blount, MD	
10:38 am- 10:41 am	Q&A	
10:41 am – 10:49 am	Abstract #38: Longitudinal Outcomes following Selective Dorsal Rhizotomies Jean-Pierre Farmer, MD, CM	
10:49 am – 10:52 am	Q&A	
10:52 am – 11:00 am	Abstract #39: Granger Causality in Stereoelectroencephalography: Interictal Data Predict Ultimate Seizure Onset Zone and Resection Joseph Madsen, MD	
11:00 am – 11:03 am	Q&A	
11:03 am – 11:11 am	Abstract #40: Two-level Laminectomy for Conus Medullaris-level Combined Dorsal and Ventral Lumbar Selective Rhizotomy for Treatment of Mixed Spasticity and Dystonia: Technical Note and Complications Robert Naftel, MD	
11:11 am – 11:14 am	Q&A	
11:14 am – 11:22 am	Abstract #41: Disconnection Surgery for Frontal Lobe Epilepsy James Baumgartner, MD	
11:22 am – 11:25 am	Q&A	
11:25 am – 11:33 am	Abstract #42: Is Asleep Pediatric Deep Brain Stimulator Electrode Placement the New Gold Standard? John Honeycutt, MD	
11:33 am – 11:36 am	Q&A	

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- 11:36 am – 11:44 am Abstract #43: Epilepsy Surgery in Young Children with Tuberous Sclerosis Complex:
A Novel Multi-Modal Surgical Approach
Howard Weiner, MD
- 11:44 am – 11:47 am Q&A
- 11:47 am – 12:15 pm Annual Business Meeting (*Members only*)

New Providence 1-2

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Thursday, January 30th

7:15 am – 12:00 pm	Registration	<i>New Providence Foyer</i>
7:15 am – 9:15 am	Breakfast for Registered Physicians and Registered Guests	<i>Banyan Terrace</i>
8:00 am – 10:05 am	General Session IX: General Abstracts – Oncology & Spine Moderators: Violette Recinos, MD & Lance Governale, MD	<i>New Providence 1-2</i>
8:00 am – 8:08 am	Abstract #44: Repeated Convection-Enhanced Delivery as a Component of Local Control of Diffuse Intrinsic Pontine Glioma Nalin Gupta, MD	
8:08 am – 8:11 am	Q&A	
8:11 am – 8:19 am	Abstract #45: Nonviral Polymeric Nanoparticles for Gene Therapy in AT/RT and Medulloblastoma Eric Jackson, MD	
8:19 am – 8:22 am	Q&A	
8:22 am – 8:30 am	Abstract #46: Early Resection of MRI Abnormalities in Patients with Li Fraumeni Syndrome John Myseros, MD	
8:30 am – 8:33 am	Q&A	
8:33 am – 8:41 am	Abstract #47: Poliovirus Oncolytic Activity in Medulloblastoma is Mediated by Oxidative Stress Eric Thompson, MD	
8:41 am – 8:44 am	Q&A	
8:44 am – 8:52 am	Abstract #48: Non-Resection Management of Craniopharyngiomas Paul Klimo, MD	
8:52 am – 8:55 am	Q&A	
8:55 am – 9:03 am	Abstract #49: Utility of Lower Species Modeling of Human Brain Tumours: Identification of New Therapeutic Targets James Rutka, MD	
9:03 am – 9:06 am	Q&A	
9:06 am – 9:14 am	Abstract #50: Netrin-1/Neogenin as DIPG Theranostic Edward Smith, MD	
9:14 am – 9:17 am	Q&A	
9:17 am – 9:25 am	Abstract #51: Proteomic Analysis of Adamantinomatous Craniopharyngiomas Reveals Clustering with BRAF Low Grade Gliomas Shih-Shan Chen, MD	
9:25 am – 9:28 am	Q&A	
9:28 am – 9:36 am	Abstract #52: Prospective Follow-Up of Anterior Vertebral Body Tethering for Idiopathic Scoliosis: Interim Results from a FDA IDE Study Steven Hwang, MD	
9:36 am – 9:39 am	Q&A	

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9:39 am – 9:47 am	Abstract #53: The Futility of Pial Closure in Spinal Lipomas Michael Burke, MD	
9:47 am – 9:50 am	Q&A	
9:50 am – 9:58 am	Abstract #54: Chiari Malformation 0.5: Novel Entity Defines Medullary Symptoms in Young Children Jeffrey Greenfield, MD	
9:58 am – 10:01 am	Q&A	
10:05 am – 10:30 am	Beverage Break	<i>New Providence Foyer</i>
10:30 am – 11:30 am	General Session X: Advocacy/Transition and Washington Update Moderator: Bradley Weprin, MD	<i>New Providence 1-2</i>
10:30 am – 11:10 am	Update on ASPN Advocacy Initiatives Bradley Weprin, MD	
	Update on Engagement with AANS/CNS/SNS Jonathan Martin, MD	
	ACS Committee on Trauma/Injury Prevention Sub-Committee Initiative to Reduce Firearms Injury in Children. What can the ASPN do? John Ragheb, MD	
11:10 am – 11:30 am	Washington Update Katie Orrico, JD	
11:30 am – 12:00 pm	General Session XI: Bahamian Pediatric Health Care and the Aftermath of Hurricane Dorian Speaker Introduction: James Drake, MD Speaker: Delon Brennen, MD, MPH	<i>New Providence 1-2</i>
12:00 pm – 5:00 pm	Optional Fishing Expedition	
6:30 pm – 9:30 pm	ASPN Dinner	<i>Palm Lawn</i>

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Friday, January 31st

7:15 am – 10:00 am	Registration	<i>New Providence Foyer</i>
7:15 am – 9:15 am	Breakfast for Registered Physicians and Registered Guests	<i>Banyan Terrace</i>
8:00 am – 9:20 am	General Session XII: Abstracts- General Topics Moderators: Krystal Tomei, MD & Edward Ahn, MD	<i>New Providence 1-2</i>
8:00 am – 8:08 am	Abstract #55: Building a Clinical Research Infrastructure for Surgeons: “What’s Past is Prologue” Jay Wellons, MD	
8:08 am - 8:11 am	Q&A	
8:11 am – 8:19 am	Abstract #56: Use of iCT and Stealth AXiEM Limit Variability in a Pig Model of TBI and Stroke David Bauer, MD	
8:19 am – 8:22 am	Q&A	
8:22 am – 8:30 am	Abstract #57: Estimating the Number of Neurosurgical Interventions in Adults with Spina Bifida using the Health Facts Dataset: Implications for Transition Planning and the Development of Adult Clinics Michael Partington, MD	
8:30 am – 8:33 am	Q&A	
8:33 am – 8:41 am	Abstract #58: Gender Disparities in Neurosurgery: A Real Pipeline? Zulma Spinoza, MD	
8:41 am – 8:44 am	Q&A	
8:44 am – 8:52 am	Abstract #59: Surgical Site Infection Reduction in Paediatric Neurosurgery: How a Bundle Can Do It Benedetta Pettorini, MD	
8:52 am – 8:55 am	Q&A	
8:55 am – 9:03 am	Abstract #60: Unlikely to be Abuse: Lean In, Pediatric Neurosurgeon! Saadi Ghatan, MD	
9:03 am – 9:06 am	Q&A	
9:06 am – 9:14 am	Abstract #61: Uncertainty, Fear, Communication and Loss of Relationships: A Qualitative Study of Patients and Families with Hydrocephalus Transitioning from Pediatric to Adult Care Patrick McDonald, MD	
9:14 am – 9:17 am	Q&A	

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9:20 am – 9:50 am	General Session XIII: Socio-economic Session Moderator: Catherine Mazzola, MD	<i>New Providence 1-2</i>
9:20 am – 9:30 am	ACS Children’s Surgical Verification Program Bruce Kaufman, MD	
9:30 am – 9:40 am	Centralization of Paediatric Neurosurgery Care: The UK Experience Paul Chumas, MD	
9:40 am – 9:50 am	Discussion	
9:50 am – 10:00 am	Closing Remarks & Adjournment James Drake, MD	