

76th Southern Neurosurgical Society Annual Meeting

March 11–14, 2026 | Rio Mar, Puerto Rico

SCIENTIFIC PROGRAM

Thriving in Uncertainty: A Commitment to Excellence

President Adam Arthur, MD
Scientific Program Christopher Nickele, MD

WEDNESDAY, MARCH 11

2:00–5:00 pm	Executive Council Meeting	Caribbean 3
2:00–5:00 pm	Registration Opens	Rio Mar Ballroom Foyer

THURSDAY, MARCH 12

7:00–7:30 am	Registration; Attendee & Exhibitor Breakfast	Rio Mar 1–5 & Foyer
7:30–7:40 am	Meeting Welcome and Agenda Introduction Adam Arthur and Christopher Nickele	Rio Mar 6–10

Scientific Session I Spine and Peripheral Nerve

Moderators: Eric Nottmeier & William Mangham Rio Mar 6–10

7:40–7:50 am	The True Advantages of Endoscopic Spine Surgery	Mathew Gary
7:51–8:01 am	Spinal Oncology Update	Mike Galgano
8:02–8:12 am	Deformity Principles for Non-deformity Surgeons	Emil Pastrana-Ramirez
8:13–8:23 am	Discussion	
8:24–8:44 am	Quality Tolerance in Board Certification: What Makes a Board-Certified Neurosurgeon?	Russ Lonser
8:45–9:00 am	Interview and Q&A Session with Russ Lonser: Board Certification <i>Moderator: David Dornbos</i>	

9:00–9:30 am	Refreshment Break with Exhibitors	Rio Mar 1–5
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Scientific Session II Best Paper Abstracts & Industry Presentations Non-CME

Moderators: Ricardo Fernando de Tomas & Elizabeth Liptrap Rio Mar 6–10

9:30 am	Best Paper 1: McCravey Clinical Science Award Winner Efficacy of Pre-Radiosurgical Embolization for Brain Arteriovenous Malformations: A MISTA Consortium Analysis <i>Richard Cook, BS; Austin Tang, MD; Wen Li PhD; Hussein Zeineddine, MD; Spiros Blackburn, MD</i>
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9:35 am	<p>Best Paper 2: McCravey Basic Science Award Winner RNA-Guided Exploration of Meningioma and Breast Cancer <i>Harsh P. Shah, MD, MPI; Yogesh Rakholia, BS; Hayden Dux, BS; Selvaraj Muthasamy, MBBS, PhD; Hope Richard, MD, PhD; Bhuvic Patel, MD; Albert Kim, MD, PhD; William Broaddus, MD, PhD</i></p>
9:40 am	<p>Best Paper 3: Upper Instrumented Vertebra (UIV) Screw-Endplates, Screw-Rod Angles, and Association with Proximal Junctional Complications in Adult Spinal Deformity Surgery <i>Diego T. Soto Rubio, MD; Adrian Urdaneta, MD; Sawyer Bauer, MD; Patrick Kim, MD; Srujan Kopparapu, MD; Ahmad Alkadri, BS; Kiana J. Yeganeh, B.S.; Vito Evola, BS; Mark Greenberg, MD; Puya Alikhani, MD</i></p>
9:45 am	Discussion
9:50 am	<p>Best Paper 4: Impact of Preoperative Marijuana Use on Functional Recovery and Complications Following Spinopelvic Fusion in Adult Spinal Deformity <i>Mohsen Rostami, MD; Sadegh Bagherzadeh, MD; Diego Soto. Rubio, MD; P.Mitchell Johansen, MD; Gersham Rainone, MD; Puya Alikhani, MD</i></p>
9:55 am	<p>Best Paper 5: Intraoperative 0.05% Chlorhexidine Gluconate Lavage for the Prevention of Surgical Site Infections in Lumbar Instrumented Fusions and Machine Learning Identification of Associated Risk Factors <i>Adriana S. Vazquez-Medina, MD; Gisela Murray Ortiz, MD; Gloria Carrasquillo, MS; Samuel Estronza Ojeda, MD; Aixa De Jesus Espinosa, MS, MPH; Esteban R. Rivera-Rivera, MD; Ashlie Maldonado, MD; Edward Garcia Lopez, BS; Abiel Roche, PhD; Emil A. Pastrana, MD</i></p>
10:00 am	<p>Best Paper 6: Matrilin-3 Gene Expression Is Associated with Glial Remodeling and Poor Prognosis in Glioblastoma <i>Tyrel Porter; Miguel Mayol Del Valle, MD, MSc Lilia Kucheryavykh, PhD</i></p>
10:05 am	Discussion
10:10 am	<p>Best Paper 7: Genetic Disruption of GABAergic Interneurons in Non-Syndromic Cleft Palate <i>Satvir Saggi, MD; Duy Phan, MD</i></p>
10:15 am	<p>Best Paper 8: Inflammatory Tissue Collection from External Ventricular Drains Confirms Robust Cellular Immune Response in Aneurysmal Subarachnoid Hemorrhage <i>Zachary Sorrentino, MD, PhD; Luca Bertola, BS; Connor Rupp, BS; Matthew Koch, MD</i></p>
10:20 am	<p>Best Paper 9: Oncologic and Medical Prognostic Factors Predict Survival After Surgery for Spinal Metastases <i>Emily M. Pearson, BS; Danielle Terrell, MD, MPH; Stephen G. Whipple-Bones, MD; Kevra O. Cao, BS; Anna Barnes, BS; James Liu, MD</i></p>
10:25 am	<p>Best Paper 10: Optimal Timing of Venous Thromboembolism Prophylaxis Following Craniotomy for Tumor Resection <i>Frederic A. Vallejo, MD, MSCI; Fatima Gauhar, MBBS; Nick De Oliveira, BA; Hani Chanbour, MD; Lohit Velagapudi, MD; Tamia Potter, MD; Patrick Kelly, MD, MSCI</i></p>
10:30 am	Discussion

Non-CME Tech Updates

10:35–10:43 am	Update #1 <i>Supported by Arthrex</i>
10:43–10:51 am	Update #2 <i>Supported by Globus Medical</i>
10:51–10:59 am	Update #3 <i>Supported by Medtronic</i>

11:00–11:30 am	Refreshment Break with Exhibitors	Rio Mar 1–5
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Scientific Session III Pediatric Neurosurgery

Moderators: Samuel Estronza	Rio Mar 6–10
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11:30–11:40 am	Rhizotomy in Cerebral Palsy	Brandon Rocque
11:41–11:51 am	Fetal Myelomeningocele Repair	Charles Stevenson
11:52–12:02 pm	Advances in Epilepsy Surgery	Nir Shimony
12:03–12:13 pm	New Society for Pediatric Neurosurgical Oncology	Toba Niazi
12:14–12:23 pm	Discussion	
12:24–12:29 pm	Introduction to the Hudson Lecture	Adam Arthur
12:30–12:50 pm	Hudson Lecture	Carlos David

1:00–2:00 pm	Resident, Fellow, and Young Surgeon Lunch <i>Faculty: Stephen Pirris</i> <i>Supported by Greenlight Medical and Medtronic</i>	Caribbean 1
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6:00–7:30 pm	Welcome Reception	Rio Mar 1–5
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FRIDAY, MARCH 13

7:00–7:30 am	Registration; Attendee & Exhibitor Breakfast	Rio Mar 1–5 & Foyer
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Scientific Session IV Puerto Rican Neurosurgery Non-CME

Moderator: Gisela Murray Ortiz	Rio Mar 6–10
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7:30–7:35 am	Announcements	
7:35–7:45 am	History and Challenges of Puerto Rican Neurosurgery	Orlando De Jesus
7:45–7:55 am	Cultural Considerations in Caring for the Hispanic Patient	Miguel Mayol
7:55 – 8:05 am	Medical Start-up Investing: Understanding Valuations, Dilution and Expected Returns	J Mocco

Non-CME Tech Updates

8:05–8:13 am	Update #4 <i>Supported by TBD</i>	
8:13–8:21 am	Update #5 <i>Supported by TBD</i>	
8:21–8:29 am	Update #6 <i>Supported by TBD</i>	
8:30–8:40 am	Introduction to Presidential Address	
8:40–9:10 am	Presidential Address	Adam Arthur
9:10–9:40 am	Refreshment Break with Exhibitors	Rio Mar 1–5

Scientific Session V Debate & Scientific Papers

Moderators: Christopher Nickele & Nick Khattar Rio Mar 6–10

9:40–10:05 am	We Need Randomization vs. Let's be Real Pro RCT – Brian Howard Pro Registries – Ramesh Grandi	
10:05–10:35 am	Scientific Papers 11–20 and Discussion	
10:05 am	Paper 11: C2–T1 vs C3–T1 Posterior Cervical Fusion: Effects on Upper Cervical Compensation, Alignment, and C2–3 Adjacent Segment Degeneration <i><u>Dana Saleh, MD</u>; Ahmad Alkadri, BS; John lingam, BS; Mohsen Rostami, MD; Puya Alikhani, MD</i>	
10:08 am	Paper 12: Bone Marrow Aspirate Concentrate in Anterior Cervical Discectomy and Fusion: Does It Make a Difference? <i><u>Gabriel C. Tender</u>; George Crabill</i>	
10:11 am	Paper 13: A Virtual Resection Model for Predicting Epilepsy Surgery Outcome <i><u>Elliot G. Neal, MD</u>; Samantha Schimmel; Emma Dunn, BS; Julyssa A. Renteria; Adam Alayli, MD; Emma Sargent, B.S.; Deborah Liaw, MD; Joseph J. Boscarino, Psy.D.; Fernando L. Vale, MD; Yarema B. Bezchlibnyk, MD, PhD</i>	
10:14 am	Paper 14: Faculty and Applicant Perceptions of Research and Selection Priorities in Neurosurgery Residency Applications: A Full Department Survey <i><u>Hunter S. Boudreau</u>; Garrett Thrash; Marshall Holland; Riyaz Razi; Hazel Cho; Colby Rives</i>	
10:17 am	Paper 15: Pre-Operative Tumor Morphometrics Predict Post-Operative Hydrocephalus After Craniopharyngioma Resection <i><u>Debraj Mukherjee, MD, MPH</u>; Mazin Elshareif, BS; Briana Santo, PhD; Omar Selim, BS; Austin Carmichael, BS; Taha Khalilullah, BS; Ritvik Pulya, BS; Yves Greatti, MS; Connor Liu, MD; Karim Ahmed, MD</i>	
10:20 am	Paper 16: Staged Vascular Embolization in an Infant with Refractory Seizures Secondary to Hemimegalencephaly <i><u>Tyrone DeSpenza, MD, PhD</u>; Shivani Shah, DO; Praveen Kumar Ramani, MD; Muhammad Zafar, MD; Erik Hauck, MD</i>	

10:23 am	Paper 17: Long-Term Cerebral Venous Sinus Stent Patency in Idiopathic Intracranial Hypertension <i>Connor R. Margraf, BS; Omar Ashraf, MD; Jack Midtlien, BS; Kyle Fargen, MD, MPH, FAANS</i>	
10:26 am	Paper 18: Long-Term Metabolic Network Modulation After STN-DBS in Parkinson's Disease: A Longitudinal ^{18}F -FDG PET Study <i>Wei Lin, MD, PhD</i>	
10:29 am	Paper 19: The Correction Paradox: Redefining Proximal Junctional Kyphosis Risk in Adult Spinal Deformity Surgery <i>Cesar M. Carballo Cuello, MD; Dana Saleh, MD; P. Mitchell Johansen, MD; Katherine Baker, MD; Natalie Bales, MD; Jay Kumar, MD</i>	
10:32 am	Paper 20: Preoperative Spine Stereotactic Body Radiotherapy (SBRT): Pooled Wound Complication Rates, Local Control, and Dosing Patterns Across Full-Text Clinical Studies <i>Muneeb K. Mohiuddin, MA; Quinn Jackson, BA; Adham Khalafallah, MD; Markus Bredel, MD, PhD; Stephen S. Burks, MD</i>	
10:35–11:00 am	Refreshment Break with Exhibitors	Rio Mar 1–5

Scientific Session VI Cranial/Tumor

Moderators: Madison Michael & Will Gordon		Rio Mar 6–10
11:00–11:09 am	Trigeminal Nerve Stimulation for Facial Pain/Headache	Nicholas Boulis
11:10–11:19 am	LGG Surgery, Lessons Learned	Kristen Riley
11:20–11:29 am	Best Uses of Awake Craniotomy	Michael Ivan
11:30–11:39 am	Transorbital Neuroendoscopic Surgery (TONES)	Bhuvic Patel
11:40–11:49 am	Discussion	
11:50–11:59 am	Introduction to Ned Downing Lecture	Adam Arthur
12:00–12:20 pm	Ned Downing Lecture	Joe Magliocco
12:20–12:45 pm	Q & A with Joe Magliocco	
12:45–12:55 pm	Washington Update	Charlotte Pineda
12:55–1:00 pm	Business Meeting <i>All members are required to attend the SNS Annual Business Meeting</i>	Executive Council
1:10pm	Shuttle to Golf Tournament <i>Advance signup required</i>	Main Lobby Porte Cochere
6:30–9:30 pm	Family Night <i>Vista Verde Garden is located directly outside the meeting space</i>	Vista Verde Garden

SATURDAY, MARCH 14

7:00–7:30 am Registration; Attendee & Exhibitor Breakfast Rio Mar 1–5 & Foyer

Scientific Session VII Vascular/General

Moderator: Andrey Belayev & Harry Van Loveren Rio Mar 6–10

7:30–7:32 am	Announcements	
7:33–7:43 am	Aneurysm Indications: Are We Re-treating Too Many Aneurysms?	Howard Riina
7:44–7:54 am	MMA Embolization and Distal Penetration: Is There Only One Way to Skin a Cat?	Andy Bauer
7:55–8:05 am	IIH and Venous Stenting: Evaluation and Management Pearls	Stacey Wolfe
8:06–8:16 am	Landscape of Carotid Revascularization Post CREST 2	Ricardo Hanel
8:16–8:22 am	Discussion	
8:22–8:42 am	Vascular Cases <i>Panel:</i> Kendrick Johnson, Andrey Belayev, Harry Van Loveren	
8:52 – 9:02	<i>TBD</i>	Elad Levy
9:03–9:13 am	Machine Learning in Tracking Neurosurgical Outcomes	Lola Chambless
9:14–9:24 am	Business of Medicine in Resident and Fellow Education: A Novel Certificate Program at UAMS	Deanna Sasaki-Adams
9:25–9:30 am	Discussion	
9:30–9:55 am	Refreshment Break with Exhibitors	Banyan 1 & 2

Scientific Session VIII Functional

Moderators: Benjamin Carroll & Wendell Lake Rio Mar 6–10

9:55 – 10:03 am	Closed Loop DBS	Jeremy Blizchlibnyk
10:04 – 10:12 am	BBB Disruption with HIFU and/or FUS Update	Amir Faraji
10:13 – 10:21 am	Vagal Nerve Stimulation for Stroke Recovery in Practice	Mark Bain
10:21 – 10:27 am	Discussion	
10:28 – 10:36 am	Introduction to Distinguished Practitioner Lecture	
10:36–11:06 am	Distinguished Practitioner Lecture	Jacques Morcos
11:07 – 11:43 am	Scientific Papers 21–30 and Discussion	
11:07	Paper 21: Targeting the Middle Meningeal Artery: Intra-Arterial Pharmacologic Strategies for Migraine Management <u>Brandon Lucke-Wold, MD, PhD</u>	
11:10	Paper 22: The Illusion of Correction: Why Steeper Cages Don't Improve TLIF Alignment <u>Kiana J. Yeganeh, B.S.</u> ; Schahin Salmanian, MD; Ryan Screven, MD; Jay Kumar, MD; Mohsen Rostami, MD; Diego Soto. Rubio, MD; Mohammad Noureldine, MD; Mark Greenberg, MD; Puya Alikhani, MD	

- 11:13 Paper 23: A Preliminary Validation of Glioblastoma Hub Genes in the Canine Model: Candidate Biomarkers with Cross-Species Potential
David M. Brockington, PhD; Jeremy Foote, DVM, PhD; David Crossman, PhD; Michael Crowley, PhD; Jianqing Zhang, PhD; James Markert, MD, MPH; G. Yancey Gillespie, PhD; M.R. Chambers, DVM, MD
- 11:16 Paper 24: Computational Hemodynamic Analysis of Venous Sinus Stenosis and Restenosis in Idiopathic Intracranial Hypertension
Jason J. Sims, PhD; Bryan Good, PhD; Luke A. Silveira, MD; Kaan Yagmurlu, MD; Carlos Osorno Cruz, MD; Christopher M. Nickle, MD
- 11:19 Paper 25: Use of a Split Trocar for Abdominal Access in Ventriculoperitoneal Shunt Placement: A Safe Surgical Technique
Katherine Belanger, MD; Chesney Billiter, MD; Richa Saxena, BS; Carol Kittel, MA; Molly Ehrig, MB; Daniel Couture, MD
- 11:22 Paper 26: Impact of an Interdisciplinary Peripheral Nerve Board on the Management of Peripheral Nerve Injuries: A Prospective Study
Adham M. Khalafallah, MD; Bhavjeet S. Sanghera, B.S.; Muneeb K. Mohiuddin, MA; Joseph Tigre, MD; Stephen S. Burks, MD
- 11:25 Paper 27: Neurosurgeon Utilization and Perceptions of Palliative Care in Glioblastoma
Helen Hansel, BA; David Voce, MD; Patrick Kelly, MD, MSCI; Saniya Godil, MD, MBBS, MSCI; Lola Chambless, MD, FAANS; Mohana B. Karlekar, MD
- 11:28 Paper 28: Outcomes in Venous Sinus Stenting versus Ventriculoperitoneal Shunting for Fulminant Idiopathic Intracranial Hypertension: A Dual-Center Analysis
Lohit Velagapudi, MD; Michael Longo, MD; Austin Hilvert, BS; Fatima Gauhar, MBBS; Nishit Mummareddy, MD; Keyan Peterson, MD; Elad Levy, MD; Jason Davies, MD; Adnan Siddiqui, MD; Ryan Lee, MD; Matthew Fusco, MD; Rohan Chitale, MD; Michael Froehler, MD; Kunal Raygor, MD
- 11:31 Paper 29: Predictors of Severe and Progressive In-Stent Stenosis Following Flow Diversion for Intracranial Aneurysms: A Systematic Review and Meta-Analysis
Kirit Arumalla, MD; Ashish Sonig, MD, FAANS, FACS, FCNS; Brian Tong, MD
- 11:34 Paper 30: Stereotactic Radiosurgery for First Recurrence in Glioblastoma
Antonio Dono, MD; Oscar Alcantar, MD; Chris Wei, MD; Bardia Hajikarimloo, MD; Johnathon Smith, BSc; Vanshika Lohia, MSc; Jheremy Reyes, MD; David Bailey, MD; Robert Bartos, MD; Joshua Hack, M.S.; Daniel Cifarelli, MD, M.S.; Anne-Marie Langlois, MD; Monica Mureb, DO; Takuma Sumi, MD; Mustafa Siddiq, MD; Kenneth Bernstein, M.S.; Anais Moura, MD; Ali Düzkalir, MD; Manjul Tripathi, MCH; Carolina Benjamin, MD; Gustavo Passos, MD; Alessandro De Bonis, MD; Onam Verma, MBBS; Narendra Kumar, MD; Selcuk Peker, MD; Sameul Chao, MD; Hideyuki Kano, MD, Ph.D.; Brad Zacharia, MD; David Mathieu, MD; Roman Liscak, MD; Deniz Kılıç, MD; Christopher Cifarelli, MD, Ph.D.; Mark Amsbaugh, MD; Nitin Tandon, MD; Angel Blanco, MD; Douglas Kondziolka, MD, MSc; Lilyana Angelov, MD; Ajay Niranjana, MD, M.B.A.; Jason Sheehan, MD, Ph.D.; L. Dade Lunsford, MD; Yoshua Esquenazi, MD

11:50 am–11:53 am Introduction to the Semmes Lecture

11:54 am–12:28 pm **Semmes Lecture**

Kevin Foley

12:28–12:30 pm Raffle Drawing and Final Announcements

Adam Arthur

12:30 pm 75th Annual Meeting Adjourns

6:30–8:00 pm Closing Cocktail Reception

Marbella Garden