

73rd

SOUTHERN NEUROSURGICAL SOCIETY

ANNUAL MEETING

Adapting to Change in Neurosurgery

FEBRUARY 8-11, 2023 / JW Marriott Marco Island Beach Resort / Marco Island, Florida



JD Day, MD
President

Analiz Rodriguez, MD, PhD
Program Chair

Mark Hadley, MD
Hudson Lecturer

Fernando Vale, MD
Semmes Lecturer

Winfield Fisher, MD
Distinguished Practitioner

Gaurav Gupta
Downing Lecturer

New this year!

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See pg. 3 for details.



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SPECIAL THANKS



Access speaker bios and full committee listings in the SNS Meeting App—details on page 3.

Featured Speakers

William Henry Hudson Lecture
Thursday, February 9, 11:40 am



Mark N. Hadley, MD
University of Alabama
at Birmingham

Edward “Ned” Downing Lecture
Friday, February 10, 12:25 pm



Gaurav Gupta
Consultant with Kotter, Inc.

Distinguished Practitioner Lecture
Saturday, February 11, 9:10 am



Winfield S. Fisher III, MD
University of Alabama
at Birmingham

R. Eustace Semmes Lecture
Saturday, February 11, 11:50 am



Fernando L. Vale, MD
Augusta University
Medical College

2022–2023 Executive Council

Presidential Address
Friday, February 10, 8:50 am



JD Day, MD
President



Analiz Rodriguez, MD, PhD
Vice President & Program
Committee Chair



Kristen Riley, MD
President Elect



Jay Howington, MD
Past President 2021



Eric Sherburn, MD
Past President 2020



Reid Thompson, MD
Past President 2019



Stephen Pirris, MD
Treasurer



L. Madison Michael II, MD
Secretary

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- 1 | Collect letters from each exhibitor to discover the winning phrase
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—RAFFLE  PRIZES—

- ★ Rebate for One Night’s Stay at the JW Marriott Marco Island
- ★ Registration Rebate for 2023 Meeting
- 🏆 **Grand Prize:** Complimentary registration and up to four nights’ hotel stay for SNS 2024 in Orlando, Florida!

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Young Surgeon & Mentor Lunch: Choosing Between Private and Academic Practice

Faculty: Stephen Pirris, MD, & Jonathan L. Wilson, MD
Thursday, February 9, 12:45 pm

Location: Seagrape 3

This session is designed for residents, fellows, and others looking for advice on practice options, focusing on the merits of private and academic practice. A boxed lunch will be provided.

Supported by GreenLight Medical

Don't miss these Non-CME Tech Updates!

Join us during Session 3 on Friday to hear about the latest advances in neurosurgical technology from top faculty.

7:54 am	Subcortical Minimally Invasive Surgery Supported by NICO Corporation	Faculty: Gustavo Pradilla, MD
8:02	Virtual Reality in the OR	Faculty: Michael Ivan, MD
8:20	Enhanced Recovery and Liposomal Bupivacaine in Regional Spine Blocks Supported by Pacira Biosciences	Faculty: Peter Grossi, MD
8:28	Modern Brachytherapy for Brain Tumors Supported by Gamma TILE (GT Medical Technologies)	Faculty: Kimberly Hoang, MD
8:36	Advanced Visualization with TELIGEN Supported by DePuy Synthes	Faculty: Peter Grossi, MD

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SCIENTIFIC PROGRAM

Wednesday, February 8

2:00–5:00 pm	Executive Council Meeting	SEAGRAPE 3
3:00–5:00 pm	Registration Opens	BANYAN FOYER

Thursday, February 9

7:00 am	Registration	BANYAN FOYER
	Continental Breakfast and Exhibit Viewing	BANYAN 1 & 2

Session 1: The Future of Neurosurgery: On the Horizon in 15 years

Moderators: JD Day, MD & John A. Wilson, MD

BANYAN 3

7:30 am	Opening Remarks	JD Day, MD
7:40 am	Spine	Mike Wang, MD
8:05 am	Tumor	Albert Kim, MD, PhD
8:25 am	Vascular	Adam Arthur, MD
8:45 am	Trauma	Uzma Samadani MD, PhD
9:05 am	Discussion	
9:30 am	Refreshment Break and Exhibit Viewing	BANYAN 1 & 2

Session 2: Free Papers & Hudson Lecture

Moderators: Nauman Chaudhry, MD & Elizabeth Liptrap, MD

BANYAN 3

10:00 am	STANDARD ABSTRACT #1: The Addition of Middle Meningeal Artery Embolization to Burr Hole or Craniotomy for Evacuation of Symptomatic Chronic Subdural Hematoma Improves Outcomes, Preliminary Results of a Prospective Randomized <i>Luca H. Debs, MD; Diana Toro; Seena Mansouri; Fernando L. Vale, MD; and Scott Y. Rahimi, MDS</i>	
10:06 am	STANDARD ABSTRACT #2: Acute Management and Long-term Outcomes of Blunt Cerebrovascular Injury: The Memphis Experience <i>Mustafa Motiwala, MD; Taylor Orr; Kara Parikh, MD; Lindsey E. Miller; Michael Barats; Jordan T. Roach; Sean Himel, MD; Vincent Nguyen, MD; Kenneth Moore, MD; Violiza Inoa-Acosta, MD; and Nickalus R. Khan, MD</i>	
10:12 am	STANDARD ABSTRACT #3: Poor Socioeconomic Status Drives Worsened Outcomes Following Mechanical Thrombectomy for Acute Ischemic Stroke <i>Anthony Joseph Parisi, MD; Jacqueline Frank; Ann M. Stowe, PhD; Justin F. Fraser, MD; Keith Pennypacker, PhD; and David Dornbos III, MD</i>	
10:18 am	STANDARD ABSTRACT #4: Decrease in Cortical Vein Opacification Predicts Outcome After Aneurysmal Subarachnoid Hemorrhage <i>Brandon Lucke-Wold, MD, PhD</i>	
10:24 am	ANIL NANDA AWARD WINNER STANDARD ABSTRACT #5: Spinal Catheter Thrombolytic Administration Improves Outcomes in Aneurysmal SAH: Case Series and Systematic Review/Meta-analysis <i>Trevor Hardigan, MD, PhD; Chi Le, MD; J Mocco, MD, MS; and Jay Howington, MD</i>	
10:30 am	Discussion	
10:35 am	STANDARD ABSTRACT #6: Prospective, Randomized Study of Lumbar Facet Replacement vs. Lumbar TLIF Fusion for Spondylolisthesis—Two Year Outcomes <i>Vincent Rossi, MD, MBA; Ahmad Nassar, MD; William Welch, MD; Michael Steinmetz, MD; Jared Ament, MD; Eli Baron, MD; Jason Huang, MD; Scott Meyer, MD; and Domagoj Coric, MD</i>	
10:41 am	STANDARD ABSTRACT #7: Microscopic Lumbar Discectomy in The Ambulatory Surgery Center Versus Inpatient Hospital Setting: A One-Year Cost-Utility Analysis <i>Ummey Hani, MBBS; Steve H. Monk, MD; Deborah Pfortmiller, PhD, MA; Mark D. Smith, MD; Paul K. Kim, MD; Michael A. Bohl, MD; Domagoj Coric, MD; Tim E. Adamson, MD; Christopher M. Holland, MD, PhD; and Matthew J. McGirt, MD</i>	

Continued on next page

10:47 am	STANDARD ABSTRACT #8: Complications in Ambulatory Pediatric Patients with Nonidiopathic Spinal Deformity Undergoing Fusion to the Pelvis Using the S2AI Technique Within 2 Years of Surgery <i>Richard Menger, MD MPA; Paul Park, MD MPH; Elise Bixby, MD; Gerard Marciano, MD; David Roye, MD; Benjamin Roye, MD MPH; Michael Vitale, MD MPH; and Lawrence Lenke, MD</i>	
10:53 am	STANDARD ABSTRACT #9: Mental Health Comorbidities in Workers' Compensation Patients and the Effect on Pain, Disability, Quality of Life, and Return to Work after Lumbar Spine Surgery <i>Steve H. Monk, MD; Ummey Hani, MBBS Gerry Stanley, MD, P-CEO; Trent VanHorn, MD; Debi Pfortmiller, PhD, MA; Paul K. Kim, MD; Michael A. Bohl, MD; Christopher M. Holland, MD, PhD; and Matthew J. McGirt, MD</i>	
10:59 am	AUGUSTUS MCCRAVEY CLINICAL SCIENCE AWARD WINNER STANDARD ABSTRACT #10: Outpatient Minimally Invasive Transforaminal Lumbar Interbody Fusion Performed at a Single Ambulatory Surgery Center—The Semmes-Murphey Clinic Experience <i>William Mangham, MD; Jeffrey Sorenson, MD; and Kevin Foley, MD</i>	
11:05 am	Discussion	
11:10 am	RAPID-FIRE ABSTRACT #11: Early Signs of Elevated Intracranial Pressure (ICP) on Computed Tomography Correlate with Measured ICP in The Intensive Care Unit and Six-month Outcome Following Moderate to Severe TBI <i>Brandon Lucke-Wold, MD, PhD</i>	
11:13 am	RAPID-FIRE ABSTRACT #12: Multisession Radiosurgery Alone for Treatment of Presumed Cranial Meningiomas: 10-year Outcomes from a Single Institution Protocol <i>Michael Carrasquilla, MD; Alexander Tai, MD; Monica Pernia Marin, MD; Akrita Bhatnagar, MD, PhD; Simeng Suy, PhD; Sean Collins, MD, PhD; Walter Jean, MD; and Brian Collins, MD</i>	
11:16 am	RAPID-FIRE ABSTRACT #13: Variable Expressivity of Piezo1 in Intracranial Aneurysms and the Potential Link to Pro-inflammatory Macrophage Activation <i>Brock Yager; Sasha Kondrasov; Sidish Venkataraman, MD; Zhidan Xiang, PhD; and Stacey Wolfe, MD</i>	
11:19 am	RAPID-FIRE ABSTRACT #14: Neutrophil Extracellular Traps: A Novel Trigger of Neurological Decline After Aneurysmal Subarachnoid Hemorrhage <i>Spiros Blackburn; Hussein Zeineddine; Ari Dienel; Peeyush Pandit; Sungha Hong; Huimahn Choi; James Grotta; and Devin McBride</i>	
11:22 am	RAPID-FIRE ABSTRACT #15: Resident Learning Curve for a Retrosigmoid Approach: A Performance Feedback Model for Neurosurgical Education <i>Kara Parikh, MD; Mustafa Motiwala, MD; Barrett Schwartz, MD; Deke Blum, MD; L. Madison Michael, MD; Jeffrey Sorenson, MD; and Nickalus Khan, MD</i>	
11:25 am	RAPID-FIRE ABSTRACT #16: A Systematic Review of Professionalism in Neurosurgery and the Development of Neurosurgical Professionalism Milestones <i>William Mangham, MD; Kara Parikh; Mustafa Motiwala; Jock Lillard; Jordan Roach; Michael Barats; Nickalus Khan; Madison Michael; and Adam Arthur</i>	
11:28 am	Discussion	
11:35 am	Novel Surgical Management of Adult Tethered Cord	<i>Hector Soriano-Baron, MD</i>
11:45 am	Introduction to the William Henry Hudson Lecture	
11:40 am	Hudson Lecture	Mark Hadley, MD
12:10 pm	Q&A	
12:20 pm	Adjourn	
12:45 pm	Young Surgeon & Mentor Lunch (non-CME) Choosing Between Private and Academic Practice <i>Supported by: GreenLight Medical</i>	SEAGRAPE 3 <i>Jonathan L. Wilson, MD</i> <i>Stephen Pirris, MD</i>
5:30–7:00 pm	Welcome Reception	BANYAN 1 & 2 (EXHIBIT HALL)

Continued on next page

SCIENTIFIC PROGRAM *(continued)*

Friday, February 10

Note: Session 3 is planned by the program committee but not counted in CME hours.

7:00 am	Continental Breakfast and Exhibit Viewing	BANYAN 1 & 2
Session 3: Technology in Neurosurgery and Presidential Address		BANYAN 3
<i>Moderators: Carolina Benjamin, MD & Stephen Reintjes, MD</i>		
7:30 am	Neurosurgical Pain Control: Spinal Cord Stimulation	<i>Erika Petersen, MD</i>
7:38 am	Neurosurgical Rehab: Brain Computer Interface	<i>Eric Leuthardt, MD</i>
7:46 am	Neurosurgical Pediatric Innovations	<i>Carolyn Quinsey, MD</i>
7:54 am	Non-CME Tech Update #1 Supported by NICO Corporation Subcortical Minimally Invasive Surgery	<i>Gustavo Pradilla, MD</i>
8:02 am	Non-CME Tech Update #2 Virtual Reality in the OR	<i>Michael Ivan, MD</i>
8:10 am	Discussion	
8:20 am	Non-CME Tech Update #3 Supported by Pacira Biosciences Enhanced Recovery and Liposomal Bupivacaine in Regional Spine Blocks	<i>Peter Grossi, MD</i>
8:28 am	Non-CME Tech Update #4 Supported by Gamma TILE (GT Medical Technologies) Modern Brachytherapy for Brain Tumors	<i>Kimberly Hoang, MD</i>
8:36 am	Non-CME Tech Update #5 Supported by DePuy Synthes Advanced Visualization with TELIGEN	<i>Peter Grossi, MD</i>
8:44 am	Introduction to Presidential Address	
8:50 am	Presidential Address	JD Day, MD
9:20 am	Refreshment Break and Exhibit Viewing	BANYAN 1 & 2
Session 4: Free Papers, Business Meeting, Washington Update, and Downing Lecture		BANYAN 3
<i>Moderators: Nicole Bentley, MD & James Liu, MD</i>		
9:50 am	Panel Discussion: Building and Maintaining a Neurosurgery Practice <i>Panel: M. Babu, MD; J. McCracken, MD; B. Osborn, MD; J. Singer, MD</i>	
9:54	Social Media for Neurosurgery Practice	<i>Mod: J. Singer, MD</i>
10:04	Expanding your Catchment Area to Build Volume	<i>Mod: J. McCracken, MD</i>
10:14	Future of Defensive Medicine in Neurosurgery	<i>Mod: M. Babu, MD</i>
10:24	Health and Wellness to Avoid Burnout	<i>Mod: B. Osborn, MD</i>
10:54	Panel Discussion	
11:20 am	STANDARD ABSTRACT #17: Intra-tumoral Heterogeneity in Glioblastoma <i>Diogo Garcia, MD; Wan-Hsin Lin; Mieu Brooks; Ryan Feathers; Erik Middlebrooks; Kaisorn Chaichana; Panagiotis Anastasiadis; and Alfredo Quinones-Hinojosa</i>	
11:26 am	STANDARD ABSTRACT #18: Development of a Murine Laser Interstitial Thermal Therapy System and Studying the Post-ablation Immune Changes in the Tumor Microenvironment in a Preclinical Glioma Model <i>Sandra C. Yan, MD; Matthew Frain, MSc; Nagheme Thomas, MSc; Alexandra Calinescu, MD, PhD; Ghaidaa Ebrahim; Kyle McGrath, BS; Macaulay Tomdio; Didier Rajon, PhD; Duane Mitchell, MD, PhD; Frank Bova, PhD; and Maryam Rahman, MD, MS, FAANS</i>	
11:32 am	STANDARD ABSTRACT #19: A Dual Center Study on the Clinical Characteristics and Outcomes of Grade 3 Meningiomas Defined by WHO 2021 Guidelines <i>Collin W. English, BS; Sangami Pugazenthi, BA; William Leidig; Kyle Geehan, BS; Abdul B. Khan, MD; Ron Gadot, BS; Akash J. Patel, MD; and Albert H. Kim, MD, PhD</i>	

Continued on next page

11:38 am	AUGUSTUS MCCRAVEY BASIC SCIENCE AWARD WINNER STANDARD ABSTRACT #20: Defining the Brain Metastasis Immune Landscape <i>Stenia Accilien, MD; Emilie Darrigues, PhD; Duah Alkam, PhD; Stephanie Byrum, PhD; Jun Ying, PhD; Christopher Wardell, PhD; and Analiz Rodriguez, MD, PhD</i>
11:44 am	Discussion
11:48 am	RAPID-FIRE ABSTRACT #21: Lessons Learned from Telemedicine in Spine Surgery <i>Zachary Porter, MD and T.G. Pait, MD</i>
11:51 am	RAPID-FIRE ABSTRACT #22: Trends in Laser Interstitial Thermal Therapy (LITT): How Race and Socioeconomic Factors Impact Access <i>Danielle Terrell, MD, MPH; Sandeep Kandregula, MBBS; Joshia Caskey, BS; and W. Christopher Newman, MD</i>
11:54 am	RAPID-FIRE ABSTRACT #23: Clinical Outcomes of Patients with Refractory Trigeminal Neuralgia: Case Series of Patients with Failed Radiation or Surgical Therapy <i>Yasaman Alam, MD; Travis Atchley, MD; and Winfield Fisher, MD</i>
11:57 am	Discussion
12:00 pm	Business Meeting
12:05 pm	Washington Update <i>M. Babu, MD</i>
12:15 pm	Introduction to the Downing Lecture
12:25 pm	Downing Lecture Gaurav Gupta
12:55 pm	Q&A
1:00 pm	Adjourn
1:30 pm	Shuttle to Golf Tournament HOTEL LOBBY
2:00–6:00 pm	Golf Tournament—Pre-registration Required HAMMOCK BAY GOLF CLUB
6:30–9:30 pm	Family Night Beach Bash LANAI BEACH

Continued on next page

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SCAN ME

SCIENTIFIC PROGRAM *(continued)*

Saturday, February 11

7:00 am Continental Breakfast and Exhibit Viewing

BANYAN 1 & 2

Session 5: Neurosurgeons as Inventors and Entrepreneurs

BANYAN 3

Moderators: Carolyn S. Quinsey, MD & John A. Wilson, MD

7:30 am Panel Discussion: Neurosurgeons as Inventors and Entrepreneurs Panel

Panel: Charles Branch, MD; Rob Isaacs, MD; Eric Leuthardt, MD; Uzma Samadani, MD, PhD

7:30 Basics of Patents for Neurosurgeons

Mod: C. Branch, MD

7:44 Translating Research Findings into Innovations

Mod: U. Samadani, MD, PhD

7:58 Medical Devices and FDA Approval

Mod: E. Leuthardt, MD

8:12 The Neurosurgeon as CEO

Mod: R. Isaacs, MD

8:26 Panel Discussion

9:00 am Introduction to Distinguished Practitioner Lecture

9:10 am Distinguished Practitioner Lecture

Winfield Fisher, MD

9:40 am Refreshment Break and Exhibit Viewing

BANYAN 1 & 2

Last chance to solve the exhibitor raffle puzzle! Turn in your completed puzzle for your gift card and to enter the grand prize raffle.

Session 6: Free Papers & Semmes Lecture

BANYAN 3

Moderators: Kimberly Hoang, MD & Kendrick Johnson, MD

10:10 am **STANDARD ABSTRACT #24:** Neutrophils: Novel Contributors to Estrogen-dependent Intracranial Aneurysm Rupture via Neutrophil Extracellular Traps

Brandon Lucke-Wold, MD, PhD

10:16 am **STANDARD ABSTRACT #25:** DESI-MS for Intraoperative Near-real Time Diagnosis of Brain Tumors and Margin Assessment in IDH-mut Gliomas

Diogo Garcia, MD; Hannah Brown; Erik Middlebrooks; Nicolas Morato; Mark Jentoft; Kaisorn Chaichana; Graham Cooks; and Alfredo Quinones-Hinojosa

10:22 am **STANDARD ABSTRACT #26:** Comparison of 23.4% Sodium Chloride and 3% Sodium Chloride in Rates of Sodium Correction in Cerebral Edema

Ebonye Green, APRN, FNCS

10:28 am **STANDARD ABSTRACT #27:** Relative Cost of Suboccipital Craniectomy for Chiari Malformation with and without Duraplasty

Campbell Liles, MD; Michael J. Feldman, MD; Jessica McDonald; Michael Longo, MD; Michelle Stone, MPA; Robert Dambrino, MD; Stephen Gannon, CCRP; John C. Wellons III, MD; and Christopher Bonfield, MD

10:34 am Discussion

10:39 am **STANDARD ABSTRACT #28:** Anterior Cervical Discectomy and Fusion in the Ambulatory Surgery Center Versus Inpatient Setting: A One-year Cost-utility Analysis

Ummey Hani, MBBS; Steve H. Monk, MD; Deborah Pfortmiller, PhD, MA; Mark Smith, MD; Paul K. Kim, MD; Michael A. Bohl, MD; Domagoj Coric, MD; Tim E. Adamson, MD; Christopher M. Holland, MD, PhD; and Matthew J. McGirt, MD

10:45 am **STANDARD ABSTRACT #29:** Minimally Invasive Transforaminal Lumbar Interbody Fusion in the Ambulatory Surgery Center Versus Inpatient Setting: A One-Year Cost-Utility Analysis

Steve H. Monk, MD; Ummey Hani, MBBS; Rebecca J. DeCarlo, MD; Deborah Pfortmiller, PhD, MA; Tim E. Adamson, MD; Michael A. Bohl, MD; Byron C. Branch, MD; Paul K. Kim, MD; Mark D. Smith, MD; Christopher M. Holland, MD, PhD; and Matthew J. McGirt, MD

10:51 am **STANDARD ABSTRACT #30:** Value of Endoscopy in Transcranial Skull Base Pathologies to Uncover Blind Spots: Technical Nuances

Daniel D. Cales, MD; Luke Harris; Danner Butler; William Broadfoot; Danielle N. Chason; Ursula Hummel; Olivier Darbin; and Jai Deep Thakur, MD

10:57 am **STANDARD ABSTRACT #31:** Integration of Connectomics into Surgical Planning for Oncofunctional Optimization

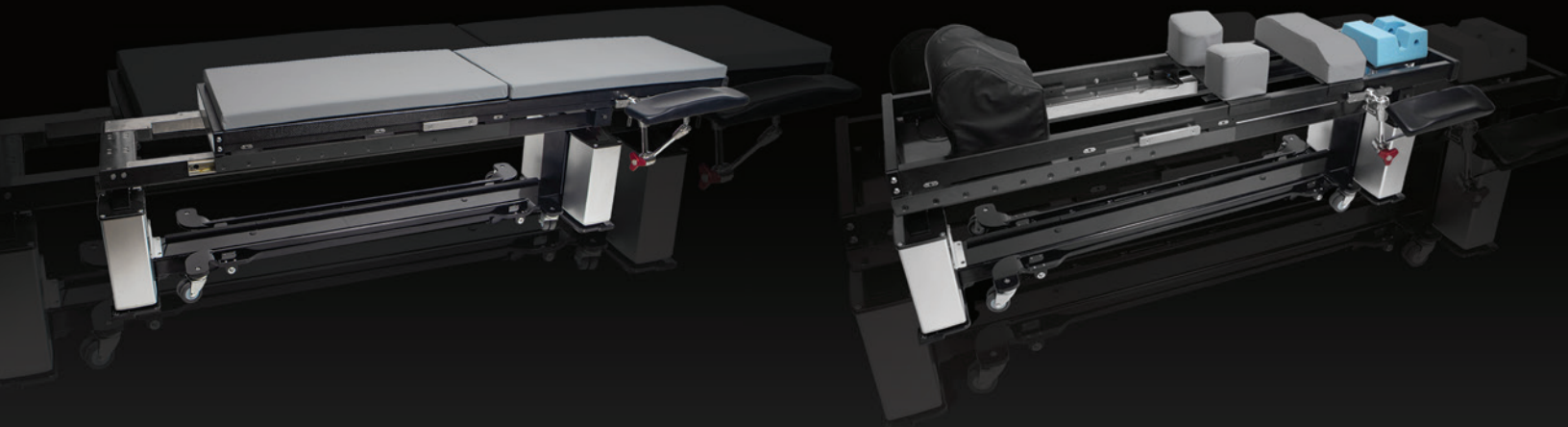
Stenia Accilien, MD; Analiz Rodriguez, MD, PhD; and John D. Day, MD

11:03 am Discussion

11:08 am	RAPID-FIRE ABSTRACT #32: Clinical Outcomes of Hybrid Cervical Total Disc Arthroplasty Combined with Anterior Cervical Discectomy and Fusion <i>Jason Garber, MD, FAANS, FACS</i>
11:11 am	RAPID-FIRE ABSTRACT #33: Characteristics of Patients Who Return to Work After Undergoing Surgery for Cervical Spondylotic Myelopathy: A Quality Outcomes Database Study <i>Stephen M. Bergin, MD, PhD; Giorgos D. Michalopoulos, MD; Christopher I. Shaffrey, MD; Oren G. Gottfried, MD; Eli Johnson, MD; Erica F. Bisson, MD; Michael Y. Wang, MD; John J. Knightly, MD; Michael S. Virk, MD; Luis M. Tumialan, MD; Jay D. Turner, MD, PhD; Cheerag Upadhyaya, MD, MS; Mark E. Shaffrey, MD; Paul Park, MD; Kevin T. Foley, MD; Domagoj Coric, MD; Jonathan R. Slotkin; Eric A. Potts; Dean Chou; Kai-Ming G. Fu, MD PhD; Regis W. Haid; Anthony L. Asher, MD; Mohamad Bydon; Praveen V. Mummaneni, MD, MBA; and Khoi Than, MD</i>
11:14 am	RAPID-FIRE ABSTRACT #34: Risk Factors for Adjacent Segment Disease in Short Segment Lumbar Interbody Fusion <i>Gabriel Flores-Milan, MD; Cesar Carballo Cuello, MD; and Puya Alikhani, MD</i>
11:17 am	RAPID-FIRE ABSTRACT #35: Surgical Outcomes of Long-segment Spinal Fusion in Osteoporotic Patients Undergoing Treatment with Teriparatide <i>Lucas Steele, BS; Ryan C. Cassidy, MD; Madhumathi Rao, MD; and Rouzbeh Motiei-Langroudi, MD</i>
11:20 am	Discussion
11:24 am	RAPID-FIRE ABSTRACT #36: Patient Satisfaction and Cost Savings Analysis of the Telemedicine Program Within a Neuro-oncology Department <i>Arkady Bilenkin; Richard Kang; Rachel Prorok; Junmin Whiting; Krupal B. Patel, MD; Andre Beer-Furlan, MD, PhD; Cristina Naso, M. Ed.; Andrea Rogers, ARNP; Xavier Baez-Castro; Edwin Peguero, MD; Sepideh Mokhtari, MD; Nam Tran, MD, PhD; Arnold Etame, MD, PhD; Yolanda Pina, MD; Philippe E. Spiess, MD; Peter Forsyth, MD; Michael A. Vogelbaum, MD, PhD; and James K.C. Liu, MD</i>
11:27 am	RAPID-FIRE ABSTRACT #37: Can Cerebrospinal Fluid (CSF) Laboratory Values Predict Permanent CSF Diversion Following Posterior Fossa Tumor Resection? <i>Zachary Bernstein, BS; Zvipo Mutsa. Chisango, BA; Sai Mannam, BS; Ali Alawieh, MD PhD; David Bray, MD; and Kimberly Hoang, MD</i>
11:30 am	RAPID-FIRE ABSTRACT #38: Effect of Intra-operative Hypertension on Surgical Outcomes of Microvascular Decompression Surgery for Trigeminal Neuralgia <i>Bhavika Gupta, MD; Romel Corecha Santos, MD; Raphael Bastianon Santiago, MD; Rocco Dabecco, DO; Michal Obrzut, MD; Badih Adada, MD; and Hamid Borghei-Razavi, MD</i>
11:33 am	RAPID-FIRE ABSTRACT #39: Open Versus Percutaneous Stabilization of Thoracolumbar Fractures: An Analysis of Safety, Facility Utilization, and Rates of Revision Surgery <i>Ummey Hani, MBBS; David Peters, MD; Tripp Owens, BS; Deborah Pfortmiller, PhD, MA; Michael Bohl, MD; Matthew McGirt, MD; Christopher Holland, MD, PhD; and Paul Kim, MD</i>
11:36 am	RAPID-FIRE ABSTRACT #40: Adipose-derived Mesenchymal Stem Cells During Deep Brain Stimulation for Epilepsy: Insights from a Preclinical Study <i>Andres Ramos-Fresnedo, MD; Carlos Perez-Vega, MD; Ralph Perkerson; Meeia Parsons; Astrid Quintero; Abba C. Zubair, MD, PhD; Takahisa Kanekiyo, PhD; William Tatum, DO; Alfredo Quinones-Hinojosa, MD; Erik H. Middlebrooks, MD; and Sanjeet S. Grewal, MD</i>
11:39 am	Discussion
11:45 am	Introduction to the Semmes Lecture
11:50 am	Semmes Lecture Fernando Vale, MD
12:20 pm	Raffle Drawing & Adjourn
6:30–9:30 pm	Kids' Night—Pre-registration Required SEAGRAPE 2/TIKI TRIBE
6:30–7:00 pm	Final Banquet Reception BANYAN FOYER
7:00–10:00 pm	Final Banquet Dinner BANYAN 3

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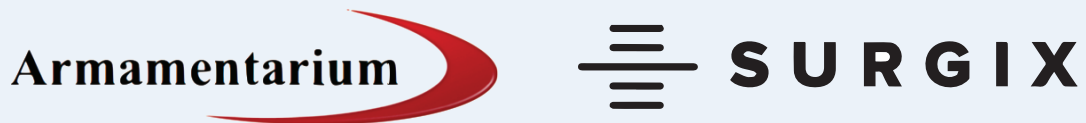
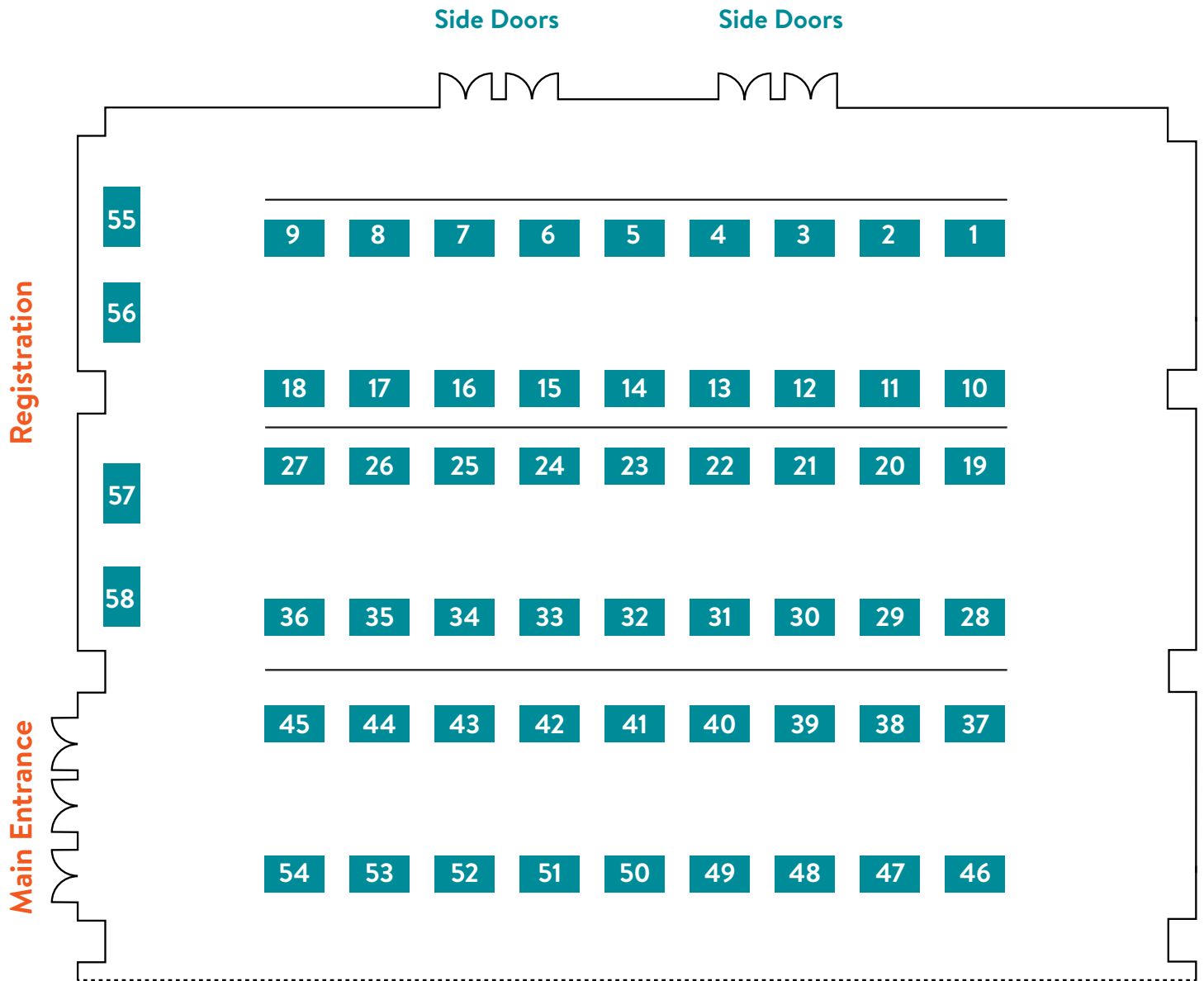


EXHIBIT FLOOR PLAN

BANYAN 1 & 2



General Session

Exhibit Hall Hours

Thursday, February 9

7:00 am–12:30 pm

5:30 pm–7:00 pm

Welcome Reception

Friday, February 10

7:00 am–1:00 pm

Saturday, February 11

7:00 am–10:10 am



Pick up an Exhibit Raffle Card at registration to earn a \$25 gift card and a chance to win big! *Details on Page 2*

EXHIBITORS

NAME	TABLE NUMBER	NAME	TABLE NUMBER
Aesculap, Inc.	51	Monterris Medical... ..	15
★ Armamentarium-Surgix Medical	58, 57	Natus	39
Balt.	3	★ NICO Corporation.....	36
Barricaid	52	NuTech Spine & Biologics	10
Biocomposites	17	Olympus	29
Bioplate	8	Omniscient Neurotechnology	7
Black Forest Medical Group	38	★ Orthofix	41
Brainlab, Inc.....	35	★ Pacira Biosciences, Inc.....	37
Cerapedics	50	Peter Lazic U.S. Inc.....	28
★ CERENOVUS	40	RapidAI	2
CMF Medicon Surgical Inc.....	22	restor3d.....	9
★ DePuy Synthes.....	45, 44	Rosman Search.....	49
Elevation Spine.....	4	Sanara MedTech.....	13
Eminent Spine	5	Spine Wave	31
Enovis	23	★ SpineCraft	27
Fehling Surgical Instruments, Inc.	25	Spineology	6
Florida Neurosurgical Society	47	Surgeons Capital Management	16
★ Globus Medical.....	54, 53	Sutter Medical Technologies USA	42
★ GT Medical Technologies	43	Synaptive Medical	11
IMRIS, Deerfield Imaging	34	TeDan Surgical Innovations, Inc.	33
Integra Lifesciences.....	12	Tenon Medical, Inc.	32
Kleiner Device Labs	26	Tobra Medical.....	21
Life Instrument Corporation	48	ZAP Surgical	30
Medexus Pharma	14	ZEISS	20
★ Medtronic	56, 55	Zimmer Biomet	46
Mitaka USA, Inc.....	18		

SNS Meeting App

Review company descriptions and websites in the meeting mobile app.

To download, search your app store for *SNS Annual Meeting*

User ID: *enter your email* | Password: **2023sns**




SCAN ME

SOCIAL EVENTS

All attendees and their registered guests are invited to the following events. If your guests would like to attend, but have not yet registered, please stop by the SNS Registration Desk.

Welcome Reception



EVENT DETAILS


Thursday, February 9 | 5:30–7:00 pm

Exhibit Hall | Banyan 1–2

Join your colleagues for some light bites and live music in the Exhibit Hall.

Bring your Exhibit Raffle Cards to solve the puzzle!

Family Night




EVENT DETAILS

Friday, February 10 | 6:30–9:30 pm

Lanai Beach—Exit the Lanai Tower from the meeting space and follow the short path to the beach.

Don't miss the Polynesian Beach Bash! The whole family will enjoy a hula and fire dance show, visits from exotic animals, and glow-in-the-dark games. We'll also enjoy a buffet dinner worthy of the tropics!

Final Banquet (ages 18+)



EVENT DETAILS

Saturday, February 11 6:30–7:00 pm	Cocktail Reception
7:00–10:00 pm	Dinner & Dancing

Banyan Foyer & Ballroom

Please RSVP at the registration desk if you have not already done so.

Join the SNS Executive Council at an evening of fine dining and lively celebration. After a delicious dinner, we'll honor this year's leaders and hit the dance floor!

Black tie optional

Kids Night* (ages 5–12)




EVENT DETAILS

Saturday, February 11 6:30–6:45 pm	Dropoff	Seagrape 2
6:45–9:15 pm	Dinner & Activities	Tiki Tribe
9:15–9:30 pm	Pickup	Seagrape 2

Kids ages 5–12 can enjoy a night of crafting, fun, and games while you enjoy the Final Banquet. Pre-registration is required. Stop by the SNS registration desk to see if additional spaces are available. Fees will be billed directly to your room.

SNS Golf Tournament*

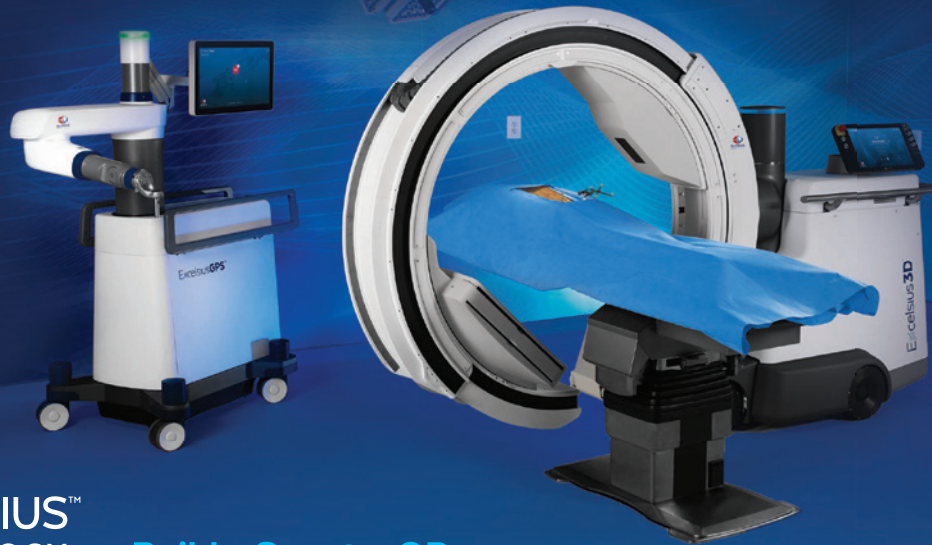


EVENT DETAILS

Friday, February 10 1:30 pm	Shuttle to Hammock Bay	Hotel Lobby
2:00–6:00 pm	Golf Tournament with Boxed Lunch	
6:00 pm	Return Shuttle to Hotel	

Prizes will be awarded at the Final Banquet for Longest Drive & Closest to the Pin! Pre-registration is required. Stop by the SNS registration desk to see if additional spaces are available.

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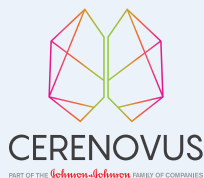
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COMMERCIAL SUPPORT

The Southern Neurosurgical Society gratefully acknowledges the following companies for their generous support of this meeting:

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Thank you to **SpineCraft** for providing the wristband keys, **CERENOVUS** for providing the badge lanyards, and to **Orthofix** for their support of the breakfasts.

74th

Southern Neurosurgical Society

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