

69th Southern Neurosurgical Society Annual Meeting
February 28-March 3, 2018
Marco Island, Florida

PROGRAM

WEDNESDAY, FEBRUARY 28th -----

1:00-5:00 pm	Meeting Registration	Palms Foyer
2:00-4:00 pm	Executive Council Meeting	Royal Ballroom 1-2

THURSDAY, MARCH 1st -----

7:00 am-1:00 pm	Meeting Registration	Palms Foyer
7:00-7:30 am	Breakfast with Exhibitors	Exhibit Pavilion

Scientific Session I – Spine #1

Palms Ballroom

Moderators: Peter Grossi, MD and Matt Gary, MD

7:30-7:35 am	Opening Remarks <i>Eric W. Nottmeier, MD - SNS President</i>	
7:35-7:50 am	Risk Stratification and Artificial Intelligence in Spinal Surgery: Dawn of a New Age <i>Christopher P. Ames, MD – UCSF Spine Center</i>	
7:50–8:05 am	Options and Rationale for Radiation Reduction <i>Robert E. Isaacs, MD – Duke University Spine Center</i>	
8:05-8:15 am	Discussion	
8:15-8:21 am	Standard Abstract #1: Who Is the Best? A Risk-Adjusted Ranking Scheme for Surgeons and Practices Based on Lumbar Surgery Outcomes <i>Clinical Science Award Winner</i> <i>Ahilan Sivaganesan, MD; Anthony Asher, MD; Mohamad Bydon, MD; Panagiotis Kerezoudis, MD; Hui Nian, PhD; Frank Harrell, PhD; and Clinton J. Devin, MD</i>	
8:21-8:27 am	Standard Abstract #2: Accuracy, Radiation Time, and Radiation Exposure Using Computer-assisted Instrument Navigation Vs. Conventional C-arm Fluoroscopy for Spine Surgery Instrumentation <i>Basic Science Award Runner Up</i> <i>Timothy Y. Wang, MD; Vikram; Mehta, MD, MPH; Eric O. Sankey, MD; Farah Hamouda, BS; Juan Uribe, MD; and Muhammad Abd-El-Barr, MD, PhD</i>	

- 8:27-8:33 am Standard Abstract #3:
The Institute for Healthcare Improvement - NeuroPoint Alliance
Cooperative Quality Improvement Project: Using National Registries to
Design Continuous Quality Improvement Protocols
Vincent J. Rossj; Scott Zuckerman, MD; Anthony Asher, MD; Clinton
Devin, MD; Kevin Foley, MD; John Knightly, MD; Erica Bisson, MD; and
Steven Glassman, MD
- 8:33-8:39 am Standard Abstract #4:
Early Ambulation Leads to Decreased Length of Hospital Stays in
Patients Undergoing Lumbar Laminectomy
Jang W. Yoon; James Ebot, DO; Gaetano D. Biase; Selby G. Chen, MD;
Stephen M. Pirris, MD; Eric Nottmeier, MD; Clarence B. Watridge, MD;
Hugh G. Deen, MD; Ronald Reimer, MD; Mark A. Pichelmann, MD; and
Robert E. Wharen, MD
- 8:39-8:45 am Standard Abstract #5:
Enhanced Recovery Approach for Minimally-invasive Transforaminal
Lumbar Interbody Fusion (TLIF) Reduces Hospital Stay and Opioid
Consumption: A Single Institution Comparison
G. Damian Brusko, BS; Karthik Madhavan, MD; Richard Epstein, MD;
John Paul G. Kolcun, BS; Jay Grossman, MD; and Michael Y. Wang, MD
- 8:45-8:48 am Rapid Fire Abstract #6:
Utilization Trends of Cervical Disk Replacement in the United States: A
Population-Based Study
Adeeb Sebai, MD; Mohammed Ali Alvi, MD; Panagiotis Kerezoudis, MD;
Anshit Goyal, MD; Sandy Goncalves, MS; Daniel Ubl, MPH; Elizabeth
Habermann, MPH, Ph.D; Selby Chen, MD; Mark A. Pichelmann, MD;
Clarence Watridge, MD; H. Gordon Deen, MD; and Mohamad Bydon
- 8:48-8:51 am Rapid Fire Abstract #7:
Independent Associations with 30- and 90-Day Unplanned Readmissions
After Elective Lumbar Spine Surgery: A National Trend Analysis of
144,123 Patients
Aladine Elsamadicy; Xinru Ren; Hanna Kemeny; Lefko Charalambous;
Amanda Sergesketter; Shervin Rahimpour, MD; Theresa Williamson,
MD; Rory Goodwin, MD, PhD; Muhammad Abd-El-Barr, MD, PhD; Oren
Gottfried, MD; Jichun Xie, PhD; and Shivanand Lad, MD, PhD
- 8:51-8:54 am Rapid Fire Abstract #8:
The Role of Minimally Invasive Anterior Column Reconstruction in
Maintaining Sagittal Balance
Jason Paluzzi, MD; Andrew Vivas, MD; Jacob Januszewski, DO; Brooks
Osburn, MD; and Juan Uribe, MD
- 8:54-8:57 am Rapid Fire Abstract #9:
Assessment of Proximal Junctional Kyphosis and Shoulder Balance with
Proximal Screws vs. Hooks in Posterior Spinal Fusion for Adolescent
Idiopathic Scoliosis
Andrew C. Vivas, MD; Steven W. Hwang, MD; Amer F. Samdani, MD; and
Joshua M. Pahys, MD

8:57-9:00 am	Rapid Fire Abstract #10: Withdrawn	
9:00-9:10 am	Discussion	
9:10-9:15am	Introduction to Ned Downing Lecture	
9:15-9:45 am	Ned Downing Lecture	Don Davey
9:45-10:15 am	Refreshment Break with Exhibitors	Exhibit Pavilion
Scientific Session 2 – Cranial (Tumors)		Palms Ballroom

Moderators: Vijay Agarwal, MD and Michael Decuyper, MD

10:15-10:30 am	Brain Surgery: From Peru to Egypt and Back to the Mayo Clinic <i>Alfredo Quiñones-Hinojosa, MD – Mayo Clinic Jacksonville</i>
10:30-10:45 am	CNS Tumor Immune Responses and their Influence on Immunotherapy Strategies <i>Amy Heimberger, MD – Univ. of TX MD Anderson Cancer Center</i>
10:45-10:55 am	Discussion
10:55-11:01 am	Standard Abstract #11: Machine-learning Analyses Can Differentiate Meningioma Grade by Features on Magnetic Resonance Imaging <i>Andrew T. Hale; David P. Stonko, MS; Li Wang; Megan K. Strother, MD; and Lola B. Chambless, MD</i>
11:01-11:07 am	Standard Abstract #12: Characterizing the Over-expression of Yki/YAP/TAZ Transcription Factors in Gliomagenesis and A Proposed Novel Treatment of Glioblastomas <i>Basic Science Award Winner</i> <i>Krishanthan Vigneswaran, MD; Se-Yeong Oh, PhD; Shoeb Lallani; Renee Read, PhD; and Jeffrey Olson, MD</i>
11:07-11:13 am	Standard Abstract #13: Preoperative Albumin Level Predicts Length of Stay After Craniotomy for Brain Tumor <i>Whitney Muhlestein, BA and <u>Lola B. Chambless, MD</u></i>
11:13-11:19 am	Standard Abstract #14: Cancer Dissemination, Hydrocephalus, and Survival After Cerebral Ventricular Entry During High-Grade Glioma Surgery: A Meta-Analysis <i>Akshikumar Mistry; Patrick Kelly; Reid Thompson; and Lola Chambless</i>

11:19-11:25 am	<p>Standard Abstract #15: Complications and 30-Day Readmission After Endonasal Trans-Sphenoidal Pituitary Adenoma Resection: A Single Institutional Study of 97 Consecutive Patients <i><u>Hanna Kemeny</u>; Aladine Elsamadicy; Amanda Sergesketter; Pakawat Chongsathidkiet, MD; Karolina Woroniecka; David Jang, MD; Patrick Codd, MD; and Peter Fecci, MD, PhD</i></p>
11:25-11:28 am	<p>Rapid Fire Abstract #16: Surgical Treatment in Glioblastomas. Controversies. <i><u>María Teresa Solomon</u></i></p>
11:28-11:31am	<p>Rapid Fire Abstract #17: Independent Risk Factors of Cranial Nerve IX and X Dysfunction after Resection of Vestibular Schwannoma <i><u>Peter J. Morone, MD, MSCI</u>; Robert Yawn, MD; Deborah Xie, BS; Reid Thompson, MD; and Alejandro Rivas, MD</i></p>
11:31-11:34 am	<p>Rapid Fire Abstract #18: Endoscopic Endonasal and Transcranial Surgery for Microsurgical Resection of Ventral Foramen Magnum Meningiomas: A Preliminary Experience <i><u>Nicolas K. Khattar, MD</u>; Maria Koutourousiou, MD; Joseph Chabot, DO; Eric Wang, MD; Aaron Cohen-Gadol, MD; Carl H. Snyderman, MD; Juan C. Fernandez-Miranda, MD; and Paul A. Gardner, MD</i></p>
11:34-11:37 am	<p>Rapid Fire Abstract #19: Toward Minimizing Costs and Adverse Outcomes for Patients Undergoing Craniotomy for Brain Tumor: Identifying Patients at High Risk for Postoperative UTI <i>Whitney E. Muhlestein and <u>Lola B. Chambless, MD</u></i></p>
11:37-11:40 am	<p>Rapid Fire Abstract #20: Introduction of a Standardized, Multi-Disciplinary, Perioperative Protocol after Endoscopic Trans-Sphenoidal Pituitary Surgery Can Lead to Reduction in Length of Hospital Stay and Cost Savings: Comparison to National Data <i>Saniya S. Godil MD, Sheena Weaver MD, Kyle D. Weaver MD, <u>Lola B. Chambless MD</u></i></p>
11:40-11:50 am	Discussion
11:50-11:55 am	<p>Introduction of Semmes Lecture <i>John H. Sampson, MD, PhD – Duke University Cancer Center</i></p>
11:55-12:25 pm	<p>Semmes Lecture: “The Odyssey” <i>Allan Friedman, MD - Duke University Cancer Center</i></p>
5:30 – 7:00 pm	<p>Welcome Reception Exhibit Pavilion</p>

FRIDAY, MARCH 2nd -----

7:00-1:00 pm Meeting Registration Palms Ballroom

7:00-7:30 am Breakfast with Exhibitors Exhibit Pavilion

Scientific Session 3 – Spine #2**Palms Ballroom***Moderators: Chris Holland, MD and Ammar Hawasli, MD*

7:30-7:35 am Opening Remarks
Eric W. Nottmeier, MD – SNS President

7:35-7:50 am Complications of Scoliosis Surgery
Mark A. Pichelmann, MD – Mayo Clinic Jacksonville

7:50-8:05am The Pedicle Screw, the Good, The Bad, and the Ugly
Volker K. H. Sonntag, MD – Barrow Neurological Institute

8:05-8:15 am Discussion

8:15-8:21 am Standard Abstract #21:
Comparing Outcomes of Fusion versus Discectomy Alone for One-time Recurrent Lumbar Disc Herniation: A Systematic Review and Meta-analysis
Yagiz Yolcu, MD; Mohammed Ali Alvi, M.B.B.S; Panagiotis Kerezoudis, MD; Mohamed Elminawy, MB.Bch; Sandy Goncalves, MS; Dennis Kurian, BSc; Joseph Cesare; Adeeb Sebai, MD; Clarence Watridge, MD; H. Gordon Deen, MD; Selby Chen, MD; Mark A. Pichelmann, MD; and Mohamad Bydon, MD

8:21-8:27 am Standard Abstract #22:
Does Patient Selection Account for the Perceived Cost Savings in Outpatient Spine Surgery?
Mohammed Ali Alvi; Benjamin F. Mundell, Ph.D; Panagiotis Kerezoudis; Marcus Gates, MD; Anshit Goyal, MD; Samuel Hohmann, Ph.D; Brett A.. Freedman, MD; Ahmad Nassr, MD; Selby Chen, MD; Mark Pichelmann, MD; Clarence B. Watridge, MD; Gordon Deen, MD; and Mohamad Bydon

8:27-8:33 am Standard Abstract #23:
VariLift-L: An Anatomical Solution to Lumbar Spinal Instability
Phillip A. Tibbs, MD

8:33-8:39 am Standard Abstract #24:
The Impact of Adding Posterior Instrumentation to Trans-psoas Lateral Fusion: A Systematic Review And Meta-analysis
Mohammed Ali Alvi, MBBS; Redab Alkhataybeh, MB.BCh; Waseem Wahood, MS; Adeeb Sebai, MD; Panagiotis Kerezoudis, MD; Anshit Goyal, MD; Selby Chen, MD; H. Gordon Deen, MD; Mark A. Pichelmann, MD; Clarence Watridge, MD; M. Hassan Murad, MD; and Mohamad Bydon

- 8:39-8:45 am Standard Abstract #25:
Surgical Outcomes Following Thoracic Disc Herniation Excision: Insights from the National Surgical Quality Improvement Program
Mohamed Elminawy, MB.BCh; Panagiotis Kerezoudis, MD; Kenan Rajjoub, BA; Mohammed Ali Alvi, MBBS; Abdullah K. Alamoudi, MD; Sandy Goncalves, MS; Anshit Goyal, MD; and Mohamad Bydon
- 8:45-8:48 am Rapid Fire Abstract #26:
Neurological Outcomes Following Surgical or Conservative Management of Spontaneous Spinal Epidural Abscesses: A Systematic Review and Meta-analysis of Data from 1980 Through 2016
Timothy Y. Wang, MD; Stephen C. Harward, MD, PhD; Vadim Tsvankin, MD; Hannah Bell, BS; Lefko Charalambous, BS; Syed M. Adil, BS; Dario J. Englot, MD, PhD; C. Rory. Goodwin, MD, PhD; Isaac O. Karikari, MD; Robert E. Isaacs, MD; and Max O. Krucoff, MD
- 8:48-8:51 am Rapid Fire Abstract #27:
Enterobacter Infection After Spine Surgery: Mayo Clinic Experience
Jang W. Yoon; Gaetano D. Biase; Panagiotis Kerezoudis, MD; Elie F. Barbari, MD; Mohamad Bydon; and Brett A. Freedman, MD
- 8:51-8:54 am Rapid Fire Abstract #28:
Causes for Early Readmission in AIS Surgery
Andrew Vivas; Joshua M. Pahys, MD; Amer F. Samdani, MD; and Steven H. Hwang, MD
- 8:54-8:57 am Rapid Fire Abstract #29:
Outcome Study for Minimally Invasive Sacroiliac Joint Fusion Using the Ifuse Implant System
James Ebot, DO and Gregory Smith, DO
- 8:57-9:00 am Rapid Fire Abstract #30:
Experiences in Developing a Comprehensive Spine Center
Clarence B. Watridge, MD
- 9:00-9:10 am Discussion
- 9:10-9:15 am Introduction to Presidential Lecture
Volker K. H. Sonntag, MD – Barrow Neurological Institute
- 9:15-9:45 am Presidential Address
Eric W. Nottmeier, MD – St. Vincent's Spine & Brain Institute
- 9:45-10:15 am Refreshment Break with Exhibitors Exhibit Pavilion

Scientific Session 4 – Cranial (Vascular)

Palms Ballroom

Moderator: Jonathan Grossberg, MD

- 10:15-10:55 am Debate: Role of Endo vs. Open Surgery at Common Aneurysm Locations
Carlos A. David, MD – Tufts University
and
Ricardo Hanel, MD – Lyerly Baptist Health
- 10:55-11:01 am Standard Abstract #31:
Mechanical Thrombectomy Outcomes With and Without Intravenous Thrombolysis in Stroke Patients: A Meta-Analysis
Clinical Science Award Runner Up
Akshikumar Mistry; Eva Mistry; Mohammad Nakawah; Rohan Chitale; Robert James; John Volpi; and Matthew Fusco
- 11:01-11:07am Standard Abstract #32:
A Cost-Effectiveness Analysis to Determine Imaging Interval for Follow-up of Unruptured Intracranial Aneurysms
Spiros Blackburn, MD; and Paul Kubilis
- 11:07-11:13 am Standard Abstract #33:
Delayed Hydrocephalus after Aneurysmal Subarachnoid hemorrhage: Who and Why?
Oluwaseun Akinduro, MD; Neil Haranhalli, MD; Tito Vivas-Buitrago; Sara Ganaha, MD; Nnenna Mbabuike, MD; Rabih Tawk, MD; and William Freeman, MD
- 11:13-11:19 am Standard Abstract #34:
Safety and Feasibility of External Ventriculostomy Drain Placement for Intracranial Pressure Management in Patients with Global Brain Edema after Acute Liver Failure and Orthotopic Liver Transplantation
Jang W. Yoon, MD, MS; James Ebot, DO; Justin H. Nguyen, MD; William D. Freeman, MD; Juan M. Canabal, MD; Ronald A. Reimer, MD; and Robert E. Wharen, MD-Mayo Clinic in Florida, Jacksonville, FL
- 11:19-11:25 am Standard Abstract #35:
A Pilot Comparison of Multispectral Fluorescence to Indocyanine Green Videoangiography and Other Modalities for Intraoperative Assessment in Vascular Neurosurgery
Christopher M. Nickele, MD; Vince Nguyen, MD; Winfield Fisher, MD; William Couldwell, MD PhD; Emad Aboud, MD; Carlos David, MD; Jacques Morcos, MD; Cleopatra Charalampaki, MD PhD; and Adam Arthur, MD MPH
- 11:25-11:28 am Rapid Fire Abstract #36:
An Evaluation of the Need for Hemispherectomy after Thrombectomy in Acute Ischemic Infarction of the Middle Cerebral Artery Territory
Arsalaan Salehani, MD; D. Mitchell Self, BS; Bonita Agee, PhD, MPH; and William Stetler, MD

11:28-11:31 am	<p>Rapid Fire Abstract #37: Magnesium as a Predictor of Hematoma Volume and Functional Outcome in Patients with Spontaneous Intracerebral Hemorrhage <i>Violiza Inoa, MD; Alexander Houck; Konark Malhotra, MD; Mike Broce, PhD; Chang J. Jason, MD; Lucas Eljovich, MD; Khalid Alsherbini, MD; Adam S. Arthur, MD, MPH; Daniel Hoit, MD; Christopher Nickele, MD; and Nitin Goyal, MD</i></p>	
11:31-11:34 am	<p>Rapid Fire Abstract #38: Antiplatelet Medication Reversal Strategies in Operative Intracranial Hemorrhage: A Survey of Practicing Neurosurgeons <i>Paul Foreman, MD; Adeel Illyas, MD; James Mooney, MD; Philip Schmalz, MD; and Christoph Griessenauer, MD</i></p>	
11:25-11:28 am	<p>Rapid Fire Abstract #39: Underrepresentation of Southern Institutions in AANS/NREF and CNS Research Awards <i>Taylor Wilson, MD, MS; Ebonye Green, MNSc, ACNPC-AG, APRN; Kesley Hundley, MD; Ka Hin Wong, BS; Rebekah Langston, BS; and Analiz Rodriguez, MD, PhD</i></p>	
11:28-11:31 am	<p>Rapid Fire Abstract #40: Discrepancy Between Neurosurgery Morbidity and Mortality Conference Discussions and Hospital Quality Metric Standards. <i>Lauren E. Rotman, MD; Arsalaan A. Salehani, MD; Devin R. Broadwater, MD; Nathaniel H. Reeve, MD; Matthew C. Davis, MD; and Kristen O. Riley, MD</i></p>	
11:31-11:41 am	Discussion	
11:41-11:46 am	Introduction of Hudson Lecture <i>Dan Barrow, MD</i>	
11:46-12:16 pm	Hudson Lecture: "The British Empire: Ascent, Majesty, Retreat, and Legacy" <i>Nelson M. O'yesiku, MD, PhD – Emory School of Medicine</i>	
12:16-12:30 pm	NREF update <i>Regis W. Haid, Jr. MD – Atlanta Brain and Spine Care</i>	
1:00-2:30 pm	Spine Cage Match Workshop with Lunch (non-CME)	Sentry Rooms 1-4
6:00-9:30 pm	Family Night	North Tower Beach

SATURDAY, MARCH 3rd -----

7:00-1:00 pm

Meeting Registration

Palms Foyer

7:00-7:30 am

Breakfast

Palms Foyer

Scientific Session 5– Functional/Pediatric**Palms Ballroom***Moderators: J. Nicole Bentley, MD and Eric Thompson, MD*

7:30-7:35 am

Opening Remarks

Eric W. Nottmeier, MD – SNS President

7:35-7:50 am

Adult Chiari Surgery: Principles and Avoiding Failure

John J. Oro, MD – Colorado Chiari Institute

7:50-8:05 am

LITT (Laser Ablation) in Epilepsy

Fernando Vale, MD

8:05 – 8:20 am

Robotics in Spine Surgery

Nicholas Theodore, MD – Johns Hopkins Medicine

8:20-8:30 am

Discussion

8:30-8:36 am

Standard Abstract #41:

ABC Transporter Inhibition Plus Vessel Permeability Reduction Enhances the Efficacy of CED in DIPG

Vadim Tsvankin, MD; Christopher Lascola, MD, PhD; Talaingar Venkatraman, PhD; Brainard Burrus, BS; Oren Becher; Eric M. Thompson

8:36-8:42 am

Standard Abstract #42:

The Influence of Surgical Correction on Age-related Changes in Cerebral Blood Flow in Rabbits with Familial Bicornal Suture Craniosynostosis: A Quantitative Analysis

Ramesh Grandhi, MD; Lesley Foley; Geoffrey Peitz, MD; Christopher Bonfield, MD; Wendy Fellow-Mayle, PhD; T Kevin. Hitchens; and Mark P. Mooney

8:42-8:48 am

Standard Abstract #43:

Prenatal Closure of Myelomeningocele Results in Better Long-term Quality of Life than Postnatal Closure

Nishit Mummareddy, BA; Michael C. Dewan, MD, MSCI; Anna Huang; Jade Basem; Chevis N. Shannon, MBA, MPH, DrPH; and John Wellons III, MD, MSPH

8:48-8:54 am

Standard Abstract #44:

Percutaneous Balloon Compression in Trigeminal Pain Syndromes

Sanjeet S. Grewal; Panagiotis Kerezoudis, MD; Oscar Garcia, MPH; Alfredo Quinones-Hinojosa, MD; Ronald Reimer, MD; and Robert E. Wharen, MD

8:54-9:00 am

Standard Abstract #45:

Endoscopic Vs. Open Spring-Mediated Cranioplasty: The Wake Forest Experience

James L. West, MD and Daniel E. Couture, MD

9:00-9:03 am	Rapid Fire Abstract #46: A Retrospective Case Series Describing a Novel Technique for Evacuation of Chronic Subdural Collections in Infants and Associated Outcomes <i>Angela Palmer, MD and Gregory Albert, MD</i>	
9:03-9:06 am	Rapid Fire Abstract #47: Prevalence and Cost Analysis of Complex Regional Pain Syndrome (CRPS): A Role for Neuromodulation <i>Aladine Elsamadicy; Siyun Yang; Amanda Sergesketter; Bilal Ashraf; Lefko Charalambous; Hanna Kemeny; Tiffany Ejikeme; Xinru Ren; Promila Pagadala, PhD; Beth Parente; Jichun Xie, PhD; and Shivanand Lad, MD, PhD</i>	
9:06-9:09 am	Rapid Fire Abstract #48: Selective Amygdalectomy for the Treatment of “Paradoxical” Temporal Lobe Epilepsy: Technical Nuances and Case Series <i>Andrew Vivas, MD; Ryan Sever, MA; Christain Reitano, BS; Jason Paluzzi, MD; and Fernando Vale, MD</i>	
9:09-9:12 am	Rapid Fire Abstract #49: Peripheral Nerve Grafts into the Substantia Nigra to Alter the Progression of Parkinson’s Disease: Update of Outcomes at One Year <i>Craig van Horne, George Quintero, Andrew Welleford, Julie Gurwell, John Slevin, Greg Gerhardt</i>	
9:12-9:15 am	Rapid Fire Abstract #50: Neuronavigation for Trigeminal Rhizotomy <i>Meena Thaitkunta; Jessica Eaton, BA; and Haring Nauta, MD, PhD</i>	
9:15-9:25 am	Discussion	
9:25-9:30 am	Introduction <i>Eric W. Nottmeier, MD – SNS President</i>	
9:30-10:00 am	Distinguished Practitioner Lecture: A Journey Through Time: 35 Years of Functional Neurosurgery <i>Robert E. Wharen, Jr., MD – Mayo Clinic Jacksonville</i>	
10:00-10:25 am	Refreshment Break	Palms Foyer

Scientific Session 6 – Trauma/Military

Palms Ballroom

Moderator: William Gump, MD

- 10:25-10:40 am Military Neurosurgery- What Have We Learned After Almost 15 Years of War
Christopher Neal, MD – Walter Reed National Military Medical Center
- 10:40-10:55 am Military Neurosurgery – Providing Care After the Wars
Cory Adamson, MD – Emory University
- 10:55-11:05 am Discussion
- 11:05-11:11 am Standard Abstract #51:
Spinal Cord Injury Disrupts Resting-State Networks in the Human Brain.
Hawasli; Rutlin; Roland; Murphy; Song; Leuthardt; Shimony; Ray
- 11:11-11:17 am Standard Abstract #52:
The Role of Family and Personal Psychiatric History in Post-Concussion Syndrome: A Story of Compounding Risk
Andrew D. Legarreta, BA; Benjamin L. Brett, MS; Gary S. Solomon, PhD; and Scott L. Zuckerman, MD
- 11:17-11:23 am Standard Abstract #53:
Surgical Treatment for Chronic Subdural Hematoma in the Elderly
Jonathan Parish, MD; Mackenzie Jones; Michael Shields; Deborah Pfortmiller, PhD, MA; and Mark Van Poppel, MD
- 11:23-11:29 am Standard Abstract #54: Withdrawn
- 11:29-11:35 am Standard Abstract #55:
Global Neurosurgery in the Age of Big Data
James L. West, MD and Daniel E. Couture, MD
- 11:35-11:38 am Rapid Fire Abstract #56:
Persistent Pneumocephalus Following Cranialization Of Frontal Sinuses: An Endoscopic Approach for Skull Base Defect Repair
Angel Chinea, MD; Fernando Vale, MD; and Mark H. Tabor, MD
- 11:38-11:41 am Rapid Fire Abstract #57:
The Second Cuban-USA Encounter: An Update
Stephen Reintjes, MD; Eric Sherburn; Puya Alikhani; Daniel Couture; Cory Adamson; and Fernando Vale, MD
- 11:41-11:44 am Rapid Fire Abstract #58:
Patient Reported Experience following Ambulatory Procedures of the Nervous System
Panagiotis Kerezoudis, MD; Kristine T. Hanson, MPH; Mohammed Ali Alvi, MBBS; Yagiz Yolcu, MD; Waseem Wahood, MS; Elizabeth Habermann, PhD; Selby Chen, MD; Mark A. Pichelmann, MD; H. Gordon Deen, MD; Clarence B. Watridge, MD; and Mohamad Bydon

11:44-11:47 am	Rapid Fire Abstract #59: Withdrawn	
11:47-11:50 am	Rapid Fire Abstract #60: Special Considerations for the Treatment of Idiopathic Intracranial Hypertension <i>Sara Ganaha, MD; Sanjeet S. Grewal, MD; Victoria Gomez, MD; Eric R. Eggenberger, DO; Vivek Gupta, MD; Prasanna Vibhute, MD; Otto Pedraza, MD; Mohit Chauhan, MBBS; Benjamin L. Brown, MD; Betty YS. Kim, MD, PhD; Rabih G. Tawk, MD; Ronald Reimer, MD; Robert E. Wharen; Alfredo Quinones-Hinojosa, MD; and Clarence B. Watridge, MD</i>	
11:50-12:00 pm	Discussion	
12:00-12:15 pm	Washington Update <i>Ann R. Stroink, MD FAANS – Washington AANS/CNS Committee Chair</i>	
12:15-12:25 pm	Business Meeting	
12:25–12:30 pm	Closing Remarks <i>Reid Thompson, MD – Incoming SNS President</i>	
6:30–7:00 pm	Final Banquet Reception	Palms Terrace
7:00 10:00 pm	Final Banquet	Palms Ballroom