

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
2:00-4:00 pm Executive Committee Meeting

THURSDAY, MARCH 1st -----

7:00-1:00 pm Meeting Registration
7:00-7:30 am Breakfast with Exhibitors

Scientific Session I – Spine #1

Moderators: Peter Grossi, MD and Matt Gary, MD

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

7:35-7:50 am Risk Stratification and Artificial Intelligence in Spinal Surgery:
Dawn of a New Age
Christopher P. Ames, MD – UCSF Spine Center

7:50-8:05 am Options and Rationale for Radiation Reduction
Robert E. Isaacs, MD – Duke University Spine Center

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
Clinical Science Award Winner
Ahilan Sivaganesan, MD; Anthony Asher, MD; Mohamad Bydon, MD;
Panagiotis Kerezoudis, MD; Hui Nian, PhD; Frank Harrell, PhD; and
Clinton J. Devin, MD

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
Basic Science Award Runner Up
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

- 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: Percutaneous Treatment of Discogenic Back Pain with a Plasma Wand <i>Caitlin M. Clark, MD; Winston C. Clark</i>
9:00-9:10 am	Discussion
9:10-9:15am	Introduction to Ned Downing Lecture
9:15-9:45 am	Ned Downing Lecture
9:45-10:15 am	Refreshment Break with Exhibitors

Scientific Session 2 – Cranial (Tumors)

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 Lola B. Chambless, MD</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 Standard Abstract #15:
Complications and 30-Day Readmission After Endonasal Trans-Sphenoidal Pituitary Adenoma Resection: A Single Institutional Study of 97 Consecutive Patients
Hanna Kemeny; Aladine Elsamadicy; Amanda Sergesketter; Pakawat Chongsathidkiet, MD; Karolina Woroniecka; David Jang, MD; Patrick Codd, MD; and Peter Fecci, MD, PhD
- 11:25-11:28 am Rapid Fire Abstract #16:
Surgical Treatment in Glioblastomas. Controversies.
María Teresa Solomon
- 11:28-11:31am Rapid Fire Abstract #17:
Independent Risk Factors of Cranial Nerve IX and X Dysfunction after Resection of Vestibular Schwannoma
Peter J. Morone, MD, MSCI; Robert Yawn, MD; Deborah Xie, BS; Reid Thompson, MD; and Alejandro Rivas, MD
- 11:31-11:34 am Rapid Fire Abstract #18:
Endoscopic Endonasal and Transcranial Surgery for Microsurgical Resection of Ventral Foramen Magnum Meningiomas: A Preliminary Experience
Nicolas K. Khattar, MD; 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
- 11:34-11:37 am 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
Whitney E. Muhlestein and Lola B. Chambless, MD
- 11:37-11:40 am 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
Saniya S. Godil MD, Sheena Weaver MD, Kyle D. Weaver MD, Lola B. Chambless MD
- 11:40-11:50 am Discussion
- 11:50-11:55 am Introduction of Semmes Lecture
John H. Sampson, MD, PhD – Duke University Cancer Center
- 11:55-12:25 pm Semmes Lecture: “The Odyssey”
Allan Friedman, MD - Duke University Cancer Center
- 5:30 – 7:00 pm Welcome Reception
Exhibit Pavilion

FRIDAY, MARCH 2nd -----

7:00-1:00 pm Meeting Registration

7:00-7:30 am Breakfast with Exhibitors

Scientific Session 3 – Spine #2

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 Lecture 1
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 Break with Exhibitors

Scientific Session 4 – Cranial (Vascular)

Moderators: Jonathan Grossberg, MD

- 10:15-10:30 am Lecture 1
Carlos A. David, MD – Tufts University
- 10:30-10:45 am Lecture 2
Ricardo Hanel, MD – Lysterly Baptist Health
- 10:45-10:55 am Debate
- 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
- 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 Mbabuikwe, 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 Hemicraniectomy after Thrombectomy in
Acute Ischemic Infarction of the Middle Cerebral Artery Territory
Arsalaan Salehani; D. Mitchell Self; Bonita Agee; and William Stetler

- 11:28-11:31 am Rapid Fire Abstract #37:
Magnesium as a Predictor of Hematoma Volume and Functional Outcome in Patients with Spontaneous Intracerebral Hemorrhage
Violiza Inog, MD; Alexander Houck; Konark Malhotra, MD; Mike Broce, PhD; Chang J. Jason, MD⁵; Lucas Elijovich, MD; Khalid Alsherbini, MD; Adam S. Arthur, MD, MPH; Daniel Hoit, MD; Christopher Nickele, MD; and Nitin Goyal, MD
- 11:31-11:34 am Rapid Fire Abstract #38:
Antiplatelet Medication Reversal Strategies in Operative Intracranial Hemorrhage: A Survey of Practicing Neurosurgeons
Paul Foreman, MD; Adeel Ilyas, MD; James Mooney, MD; Philip Schmalz, MD; and Christoph Griessenauer, MD
- 11:25-11:28 am Rapid Fire Abstract #39:
Underrepresentation of Southern Institutions in AANS/NREF and CNS Research Awards
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
- 11:28-11:31 am Rapid Fire Abstract #40:
Discrepancy Between Neurosurgery Morbidity and Mortality Conference Discussions and Hospital Quality Metric Standards.
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
- 11:31-11:41 am Discussion
- 11:41-11:46 am Introduction of Hudson Lecture
- 11:46-12:16 pm Hudson Lecture: "The British Empire: Ascent, Majesty, Retreat, and Legacy"
Nelson M. O'yesiku, MD, PhD – Emory School of Medicine
- 12:16-12:30 pm NREF update
Regis W. Haid, Jr. MD – Atlanta Brain and Spine Care
- 1:00-2:30 pm Concurrent Non-CME Workshops: Spine and Cranial
- 6:00 – 9:00 pm Family Night

SATURDAY, MARCH 3rd -----

7:00-1:00 pm Meeting Registration

7:00-7:30 am Breakfast

Scientific Session 5- Functional/Pediatric

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

Lecture 2

Nandan Lad, MD, PhD – Duke University Medical Center

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; Talaigiar 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
Angela Palmer, MD and Gregory Albert, MD
- 9:03-9:06 am Rapid Fire Abstract #47:
Prevalence and Cost Analysis of Complex Regional Pain Syndrome (CRPS): A Role for Neuromodulation
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
- 9:06-9:09 am Rapid Fire Abstract #48:
Selective Amygdalectomy for the Treatment of “Paradoxical” Temporal Lobe Epilepsy: Technical Nuances and Case Series
Andrew Vivas, MD; Ryan Sever, MA; Christain Reitano, BS; Jason Paluzzi, MD; and Fernando Vale, MD
- 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
Craig van Horne, George Quintero, Andrew Welleford, Julie Gurwell, John Slevin, Greg Gerhardt
- 9:12-9:15 am Rapid Fire Abstract #50:
Neuronavigation for Trigeminal Rhizotomy
Meena Thaitkunta; Jessica Eaton, BA; and Haring Nauta, MD, PhD
- 9:15-9:25 am Discussion
- 9:25-9:30 am Introduction
Eric W. Nottmeier, MD – SNS President
- 9:30-10:00 am Distinguished Practitioner Lecture:
A Journey Through Time: 35 Years of Functional Neurosurgery
Robert E. Wharen, Jr., MD – Mayo Clinic Jacksonville
- 10:00-10:25 am Refreshment Break

Scientific Session 6 – Trauma/military

Moderators: *William Gump*

- 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:
Neurosurgery in World War II: Insights from the Wartime Correspondence of Charles and Mary Neill
John C. Neill, MD-Retired
- 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	<p>Rapid Fire Abstract #58: Patient Reported Experience following Ambulatory Procedures of the Nervous System <i><u>Panagiotis Kerezoudis, MD</u></i>; Kristine T. Hanson, MPH; Mohammed Ali Alvi, MBBS; Yagiz Yolcu, MD; Waseem Wahood, MS; Elizabeth Habermann, Ph.D; Selby Chen, MD; Mark A. Pichelmann, MD; H. Gordon Deen, MD; Clarence B. Watridge, MD; and Mohamad Bydon</p>
11:44-11:47 am	<p>Rapid Fire Abstract #59: Adapting Your Neurosurgery Practice to the More Digital Savvy Patient <u><i>Daniel Goldberg</i></u></p>
11:47-11:50 am	<p>Rapid Fire Abstract #60: Special Considerations for the Treatment of Idiopathic Intracranial Hypertension <i><u>Sara Ganaha, MD</u></i>; Sanjeet S. Grewal, MD; Victoria Gomez, MD; Eric R. Eggenberger, DO; Vivek Gupta, MD; Prasanna Vibhute, MD; Otto Pedraza, MD; Mohit Chauhan, MBBS; Neill R. Graff-Radford, MD; 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</p>
11:50-12:00 pm	Discussion
12:00-12:15 pm	<p>Washington Update <i>Ann R. Stroink, MD FAANS – Washington AANS/CNS Committee Chair</i></p>
12:15-12:25 pm	Business Meeting
12:25–12:30 pm	<p>Closing Remarks <i>Reid Thompson, MD – Incoming SNS President</i></p>
6:30–10:30 pm	Final Reception & Banquet