PROGRAM

WEDNESDAY, FEBRUARY 22
1:00-5:00PM   Meeting Registration
2:00-4:00PM   Executive Committee Meeting

THURSDAY, FEBRUARY 23
7:00AM-1:00PM  Meeting Registration

Scientific Session I
7:30-7:40AM   Opening Remarks
   Josh Dowling, MD
7:40–7:55AM   Breakfast with Exhibitors
7:55-8:25AM Debate- The Role of Endoscopy in Anterior Skull Base Surgery:
   Jacques Morcos, MD vs. JD Day, MD
   Moderated by Madison Michael, MD
8:25–8:40AM   NREF Update
   Jon Robertson, MD
8:40-8:55AM   Washington Update
   Katie Orrico
8:55-9:00AM   Discussion
9:00–9:15AM Decision Making for AVM Patients in the Post-ARUBA Era
   Hunt Batjer, MD
9:15–9:30AM   MR Guided Focused Ultrasound (MRgFUS)
   An Alternative Treatment for Essential Tremor and Parkinson
   Howard Eisenberg, MD
9:30–9:40AM   Discussion
9:40–9:45AM   Introduction to Ned Downing Lecture
   John Wilson
9:45–10:15AM   Ned Downing Lecture: Sabato’s Crystal Ball
   Larry Sabato
10:15–10:45AM   Break with Exhibitors
   Meet the Expert Sessions
*Ahilan Sivaganesan; Silky Chotai; Matt McGirt; and Clint Devin*

10:54 – 11:02AM  Standard Abstract #2:  Health Care Disparities in Traumatic Brain Injury: The Effect of Insurance on Severity of Presentation  
*Joseph Kapurch, MD; Meghan E. Murphy, MD; Panagiotis Kerezoudis, MD; Patrick R. Maloney, MD; Brandon A. McCutcheon, MD, MPP; Lorenzo Rinaldo, MD, PhD; Daniel S. Shepherd, MD; Daniel S. Ubl, MPH; Elizabeth Habermann, MPH, PhD; and Mohamad Bydon*

11:02 – 11:10AM  Standard Abstract #3:  Intraventricular Neuroendoscopy  
*Enrique de Jongh*

11:10 – 11:18AM  Standard Abstract #4:  Concurrent Surgery at University of South Florida  
*Stephen Reintjes; Gautam Rao, BS; David Aum, MS, BS; Christopher Primiani, BS; Quan Tran, BS; and Fernando Vale, MD*

11:18 – 11:26AM  Standard Abstract #5:  Suboccipital Craniotomy Versus Craniectomy: A Survey of Practice Patterns  
*Elizabeth N. Kuhn, MD; Gustavo Chagoya, MD; Bonita Agee, PhD; and Mark R. Harrigan, MD*

11:26 – 11:34AM  Standard Abstract #6:  Complexity of Closure Does Not Affect Gestational Age at Delivery in Patients Undergoing Intrauterine Myelomeningocele Repair  
*Ashley Westrick, MPH; Diana Douleh, BS; Stephane Braun, MD; Ray Paschall, MD; Ann Kavanaugh-McHugh, MD; Kelly Bennett, MD; Chevis Shannon, MBA, MPH, DrPH; John C. Wellons, MD, MSPHV*

11:34 – 11:42AM  Standard Abstract #7:  Timing of Syrinx Reduction and Stabilization after Posterior Fossa Decompression for Pediatric Chiari Malformation-I  
*Silky Chotai; Emily W. Chan; Travis Ladner, MD; Stephen Gannon, CCRP; Chevis N. Shannon, MBA, DrPH; Christopher M. Bonfield, MD; Robert P. Naftel, MD; and John C. Wellons, MSPH, MD*

11:42 – 11:45AM  Rapid Fire Abstract #8:  MRI-guided Laser Interstitial Thermal Therapy for Intracranial Lesions: A Large Single-Institution Experience of 133 Cases  
*Ashwin Kamath, MD; Daniel Friedman; Carl D. Hacker, PhD; Matthew D. Smyth, MD; David D. Limbrick, Jr., MD, PhD; Albert H. Kim, MD, PhD; Ammar H. Hawasli, MD, PhD; and Eric C. Leuthardt, MD*
11:45 – 11:48AM  Rapid Fire Abstract #9:
Laser Interstitial Thermal Therapy for Mesial Temporal Lobe Epilepsy
Sanjeet S. Grewal, MD and Robert E. Wharen, MD

11:48 – 11:51AM  Rapid Fire Abstract #10:
Fusiform Aneurysms of the Posterior Circulation: Impact of Extent of
Aneurysm on Overall Outcome
Devi P. Patra; Tanmoy K. Maiti, MD, MCH; Shyamal C. Bir, MD, PHD, FAHA; Piyush Kalakoti, MD; and Anil Nanda, MD, MPH, FACS

11:51 -11:54AM  Rapid Fire Abstract #11:
Single Stage Microsurgical Clipping of Multiple Intracranial Aneurysms:
Analysis on Feasibility and Overall Outcome
Devi P. Patra; Tanmoy K. Maiti, MD, MCH; Shyamal C. Bir, MD, PHD, FAHA; Piyush Kalakoti, MD; and Anil Nanda, MD, MPH, FACS

11:54 – 11:57AM  Rapid Fire Abstract #12:
Anterior Spinal Artery Occlusion with Bilateral Medullary Pyramidal
Infarction: An Illustrative Review of Two Cases
Sammy Searcy; Oluwaseun Akinduro; Andrew Spector; Benjamin Brown;
and William Freeman

11:57 – 12:00PM  Rapid Fire Abstract #13:
The Need for Hormone Replacement Therapy after Transsphenoidal
Surgery: A Comparison of Pituitary Apoplexy versus Elective Resection
of Pituitary Adenoma
Jason Paluzzi; Paul Marcet; and Fernando Vale, MD

12:00–12:10PM  Discussion

12:10 – 12:15PM  Introduction of Distinguished Practitioner
Josh Dowling, MD

12:15–12:30PM  Distinguished Practitioner
Robert L. Grubb, Jr, MD

5:30–7:00PM  Welcome Reception

FRIDAY, FEBRUARY 24
7:00AM–1:00PM  Meeting Registration

7:00–7:30AM  Breakfast with Exhibitors

Scientific Session II
7:30–7:45AM  DBS for Psychosurgery
Kelly Foote, MD

7:45–8:00AM  Twelve Years Following Disaster: Reflections and Recovery
Frank Cullichia, MD

8:00-8:10AM  Discussion
8:10–8:25AM  Grade 2 Meningiomas and Radiotherapy
  *Albert Kim, MD*

8:25–8:40AM  Classification of Medulloblastoma
  *Eric Thompson, MD*

8:40–8:55AM  The Emerging Biology of Exosomes
  *Reid Thompson, MD*

8:55–9:00AM  Discussion

9:00–9:05AM  Introduction of the Presidential Address
  *Ralph Dacey, MD*

9:05–9:30AM  Presidential Address
  *Josh Dowling MD*

9:30–10:00AM  Break with Exhibitors
  Meet the Expert Sessions

10:00–10:08AM  Standard Abstract #14:
  The Surgical Treatment of Nervus Intermedius Neuralgia: A Single Institution Case Series
  *William Clifton, MD; Kelly Gassie, MD; Sebastian Lopez-Chiriboga, MD; and Robert Wharen, MD*

10:08 – 10:16AM  Standard Abstract #15:
  Perioperative Stroke After Carotid Endarterectomy: Etiology and Implications
  *Nicolas K. Khattar, MD; Robert M. Friedlander, MD, MA; Rabih A. Chaer, MD; Efthymios D. Avgerinos, MD; Eric S. Kretz; Jeffrey R. Balzer, PhD; Donald J. Crammond, PhD; Miguel H. Habeych, MD, MPH; and Parthasarathy D. Thirumala, MD, MS*

10:16 – 10:24AM  Standard Abstract #16:
  The Utility of Platelet Function Testing Prior to Pipeline Embolization Device Placement for the Treatment of Intracranial Aneurysms: A Multicenter Cohort Study
  *Nimer Adeeb, MD; Christoph Griessenauer, MD; Paul M. Foreman, MD; Justin Moore, MD, PhD; Hussain Shallwani, MD; Rouzbeh Motiee-Langroudi, MD; Abdulrahman Alturki, MBBS, MSc, FRCSC; Raghav Gupta, BS; Apar Patel, MD, MPH; Adnan Sidiqqui, MD, PhD; Mark Harrigan, MD; Christopher Ogilvy, MD; and Ajith Thomas, MD*

10:24 – 10:32AM  Standard Abstract #17:
  A Randomized Controlled Trial of Safety and Tolerability of Gabapentin for Aneurysma Subarachnoid Hemorrhage in Pain and Narcotic Reduction: Preliminary Findings
  *Oluwaseun Akinduro; Jang Yoon; Laxmi Dhakal; and William Freeman*
10:32 – 10:40AM  Standard Abstract #18:
Impact of Morbid Obesity on Subarachnoid Hemorrhage Prognosis
Ross-Jordon S. Elliott, BA; Marwah A. Elsehety, BS; Denise Rios, ACNP-BC; Joel Michalek, PhD; and Ali Seifi, MD, FACP

10:40 – 10:48AM  Standard Abstract #19:
The Relationship Between Patient Safety Indicator Events and Comprehensive Stroke Center Status of Unruptured Cerebral Aneurysms
Chad W. Washington, MD; L. Ian Taylor, BS; Robert J. Dambrino, BS; Paul R. Clark, MD; and Gregory J. Zipfel, MD

10:48 – 10:56AM  Standard Abstract #20:
Pediatric Abusive Head Trauma and Stroke
Nickalus Khan; Paul Klimo; Brittany Fraser; Vincent Nguyen; Kenneth Moore; and Brandy Vaughn

10:56 – 11:04AM  Standard Abstract #21:
Impact of Presurgical Comorbidities on Discharge Disposition and Length of Hospitalization Following Brain Tumor Surgery
Whitney Muhlestein; Silky Chotai; and Lola Chambless

11:04 – 11:12AM  Standard Abstract #22:
The Impact of Craniotomy for Brain Tumor Case Volume on Patient Safety Indicators, Outcomes and In-hospital Mortality
Paul R. Clark, MD; Robert J. Dambrino, BS; and Chad W. Washington, MD

11:12 – 11:15AM  Rapid Fire Abstract #23:
Cervical Pseudomeningocele-Induced Hydrocephalus Following Traumatic Brachial Plexus Injury: A Case Report
Sara Ganaha, MD; Montserrat Lara-Velazquez, MD; Jang W. Yoon, MD, MS; Oluwaseun O. Akinduro, MD; Peter M. Murray, MD; and H. Gordon Deen, MD

11:15 – 11:18AM  Rapid Fire Abstract #24:
The Thoracolumbar Injury Classification and Severity Score in Children: A Reliability Study
Ross L. Dawkins; Joseph H. Miller, MD; Omar I. Ramadan; Elizabeth N. Kuhn, MD; Brandon G. Rocque, MD; Michael Conklin, MD; Bonita S. Agee, PhD; and Curtis J. Rozzelle, MD

11:18 – 11:21AM  Rapid Fire Abstract #25:
Clival Chordoma Seeded in Nasal Septum Secondary to Biopsy
Montserrat A. Lara-Velazquez, MD, PhD Candidate; Ganaha Sara, MD; Yoon Jangwon, MD, MS; Clarence Watridge, MD; William E. Bolger, MD; and Ronald Reimer, MD
11:21 – 11:24AM  Rapid Fire Abstract #26: Improvement in Disability and Quality of Life and Pain 12-month After Elective Spine Surgery for Degenerative Cervical Radiculopathy: Analysis from Quality Outcome Database
Anthony L. Asher, MD; Silky Chotai; Clinton J. Devin, MD; Mohamad Bydon, MD; Matthew J. McGirt, MD; Hui Nian, PhD; Frank E. Harrell, PhD; Kristin R. Archer, MD; Kevin T. Foley, MD Praveen Mummaneni, MD; Steven Glassman, MD John J. Knightly, MD; and Christopher Shaffrey, MD

11:24 – 11:27AM  Rapid Fire Abstract #27: Immediate Post-Operative Pain Scores Accurately Predicts with Neck Pain VAS Scores at 6 Weeks, 6 Months, and 1-Year After ACDF Surgery
Owoicho Adogwa, MD, MPH; Aladine A. Elsamadicy; Victoria D. Vuong, MS; Amanda Sergesketter, BS; Raul Vasquez, MD; Ankit Mehta, MD; Joseph Cheng, MD,MS; Carlos Bagley, MD, MBA; and Isaac Karikari, MD

Olutomi Akinduro; Oluwaseun Akinduro; Panagiotis Kerezoudis; Jang Yoon; and Mohamad Bydon

11:30–11:40AM  Discussion

11:40 – 11:45AM  Introduction of Hudson Lecture
Adam Arthur MD MPH

11:45AM–12:30PM  Hudson Lecture
Dan Barrow MD

12:30–12:45PM  Business Meeting

12:45–2:15PM  Non-CME Spine Workshop

6:30–10:00PM  Family Night

SATURDAY, FEBRUARY 25
7:00AM–12:00PM  Meeting Registration

7:00–7:25AM  Breakfast with Exhibitors

Scientific Session III
7:25–7:55AM  Spine Debate
Reg Haid, MD vs. Michael Wang, MD
Moderated by Dom Coric, MD

7:55-8:10AM  Risk Reduction Techniques for Major Spinal Surgery
Chris Shaffrey, MD
8:10-8:25AM  Outcomes and Reimbursement in Spine Surgery  
*Kevin Foley, MD*

8:25-8:30AM  Discussion

8:30-8:45AM  Petroclival Meningiomas – Resisting the Siren’s Song  
*Anil Nanda, MD*

8:45-9:00AM  Update on Vascular Neurosurgery  
*Ray Turner, MD*

9:00-9:15AM  New Approaches to Epilepsy Surgery  
*Dan Couture, MD*

9:15–9:25AM  Discussion

9:25–9:40AM  Break with Exhibitors

9:40–9:48AM  Standard Abstract #29:  
Long-Term Study of Cervical Total Disc Replacement and ACDF: A Single Site Experience with One- and two- Level Arthroplasty  
*Jonathan Parish, MD; Margaret Boltes, RN; and Domagoj Coric, MD*

9:48 – 9:56AM  Standard Abstract #30:  
Posterior Micro-Endoscopic Discectomy vs. ACDF for Single-level Radiculopathy: Comparative Effectiveness and Cost-utility Analysis  
*Matthew J. McGirt, MD; Hunter Dyer, MD; Domagoj Coric, MD; Silky Chotai; Anthony L. Asher, MD; and Tim Adamson, MD*

9:56 – 10:04AM  Standard Abstract #31:  
Comparative-effectiveness of Single-Level Anterior Cervical Discectomy and Fusion versus Posterior Cervical Foraminotomy for Patients with Cervical Radiculopathy: Analysis from Quality Outcome Database  
*Anthony L. Asher, MD; Silky Chotai; Clinton J. Devin, MD; Mohamad Bydon, MD; Matthew J. McGirt, MD; Hui Nian, PhD; Frank E. Harrell, PhD; Kristin R. Archer, PhD, DPT; Kevin T. Foley, MD; Praveen Mummaneni, MD; Steven Glassman, MD; John J. Knightly, MD; and Christopher Shaffrey, MD*

10:04 – 10:12AM  Standard Abstract #32:  
Improvement in Disability and Quality of Life and Pain 12-month after Elective Spine Surgery for Degenerative Cervical Myelopathy: Analysis from Quality Outcome Database  
*Mohamad Bydon, MD; Silky Chotai; Clinton J. Devin, MD; Matthew J. McGirt, MD; Hui Nian, PhD; Frank E. Harrell, PhD; Kristin R. Archer, PhD DPT; Kevin T. Foley, MD; Praveen Mummaneni, MD; Steven Glassman, MD; John J. Knightly, MD; Christopher Shaffrey, MD; and Anthony L. Asher, MD*
10:12 – 10:20AM  Standard Abstract #33: Recognizing Cervicogenic Headaches and the Role of ACDF as a Definitive Treatment
Mark Shaya, MD and Remi Nader, MD

Stephen Reintjes, MD; Steven Housley, BS; and Fernando Vale, MD

Matthew J. McGirt, MD; Scott L. Parker, MD; Silky Chotai; Deborah Pfortmiller, PhD; Jeffrey Sorenson; Kevin Foley, MD; and Anthony L. Asher, MD

10:36 – 10:44AM  Standard Abstract #36: Lumbar Fusion for Symptomatic Mechanical Disc Collapse without Stenosis improves Pain, Disability, and Quality of Life Rethinking the Debate on Degenerative Disc Disease
Matthew J. McGirt, MD; Clinton J. Devin, MD; Deborah Pfortmiller, PhD; Silky Chotai; Mohamad Bydon, MD; Steven D. Glassman, MD; and Anthony L. Asher, MD

Mark N. Hadley; Christopher D. Shank; Curtis J. Rozzelle; and Beverly C. Walters

10:52 – 11:00AM  Standard Abstract #38: Minimally Invasive Transforaminal Vs. Direct Lumbar Interbody Fusion: Effect on Return to Work, Narcotic Usage and Quality of Life
Terence Verla, MD, MPH; Lona Winnegan, NP; Nasser Yaghil, MD; Ali Palejwala, MD; Rory Mayer, MD; Jacob Cherian, MD; and Ibrahim Omeis, MD

11:00 – 11:08AM  Standard Abstract #39: Thresholds of Preoperative Opioid Use for Meaningful Improvement after Elective Spine Surgery
Ahilan Sivaganesan; Joseph Wick; Silky Chotai; Matt McGirt; and Clinton Devin

11:08 – 11:11AM  Rapid Fire Abstract #40: Surgeon-Level Variability in Cost and Outcomes for Elective Lumbar Decompression and Fusion
Silky Chotai; Ahilan Sivaganesan, MD; John A. Sielaycki, MD; Kristin R. Archer, PhD, DPT; Scott L. Parker, MD; Matthew J. McGirt, MD; and Clinton J. Devin, MD
11:11 – 11:14AM Rapid Fire Abstract #41: Variation in the Cost and Benefit of Spine Surgery at the Individual Patient Level: Re-examining the Definition of Healthcare Value
Scott L. Parker, MD; Silky Chotai, MD; Clinton J. Devin, MD; Lindsay Tetreault, PhD; Michael Fehlings, MD; Matthew J. McGirt, MD

11:14 – 11:17AM Rapid Fire Abstract #42: Pre-Operative Nutritional Status is an Independent Predictor of 30-Day Hospital Readmission After Elective Spine Surgery
Aladine A. Elsamadicy; Owoicho Adogwa, MD, M.PH; Victoria D. Vuong, MS; Amanda Sergesketter, BS; Raul Vasquez, MD; Ankit Mehta, MD; Joseph Cheng, MD,MS; Carlos A.. Bagley, MD, M.BA; and Isaac O. Karikari, MD

Aladine A. Elsamadicy; Owoicho Adogwa, MD, M.PH; Jared Fialkoff, BS; Amanda Sergesketter, BS; Victoria Vuong, MS; Ankit Mehta, MD; Raul Vasquez, MD; Joseph Cheng, MD,MS; Carlos Bagley, MD, M.BA; and Isaac Karikari

11:20 – 11:23AM Rapid Fire Abstract #44: The Effect of Race, Ethnicity, Education Level, and Spine Pathology Type on Minimum Clinical Important Difference (MCID) after Lumbar Spine Surgery
Matthew J. McGirt, MD; Silky Chotai; Deborah Pfortmiller, PhD; Mohamad Bydon, MD; Clinton J. Devin, MD; and Anthony L. Asher, MD

11:23 – 11:26AM Rapid Fire Abstract #45: A Minimally Invasive Lumbar Fusion Technique Utilizing a Midline Approach and Navigation in an Outpatient Setting
Scott Schlesinger

11:26 – 11:29AM Rapid Fire Abstract #46: Does the Lack of Informed Consent Result in Increased Spinal Surgery Malpractice Litigation?
Panagiotis Kerezoudis, MD; Marcus Gates, MD; Jennifer Grauberger, BS; Asad J. Choudhry, MBBS; Mohammed Ali. Alvi, MD; Ahmad Nassr, MD; Bradford Currier, MD; and Mohamad Bydon

Marcus Gates, MD; Joseph Kapurch, MD; Meghan E. Murphy, MD; Jeffrey Hakim, PhD; Panagiotis Kerezoudis, MD; Daniel S. Ubl, MPH; Elizabeth Habermann, MPH, PhD; and Mohamad Bydon
11:32 – 11:35AM  Rapid Fire Abstract #48:
Risk Factors for Durotomy in Elective Spine Surgery
Daniel S. Shepherd, MD; Panagiotis Kerezoudis, MD; Meghan E. Murphy, MD; Patrick R. Maloney, MD; Brandon A. McCutcheon, MD, MPP; Lorenzo Rinaldo, MD, PhD; Daniel S. Ubl, MPH; Elizabeth Habermann, MPH, PhD; and Mohamad Bydon

11:35-11:45AM  Discussion

11:45 -11:55AM  Cuban Neurosurgical Society
Enrique de Jongh, MD

11:55–12:00PM  Introduction to Semmes Lecture
Josh Dowling MD

12:00PM–12:30PM  Semmes Lecture
Jerry Oakes

12:30–12:35PM  Closing Remarks
Josh Dowling MD

6:30–10:30PM  Final Reception & Banquet