

# Registration Brochure

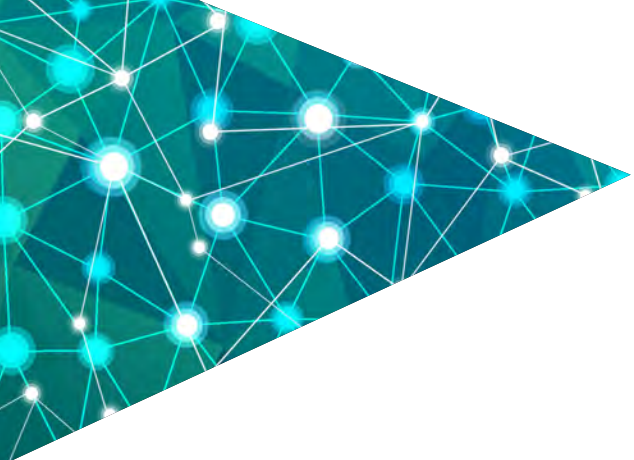
SNIS 14<sup>th</sup> ANNUAL MEETING



**JULY 24-27, 2017**

The Broadmoor  
Colorado Springs, CO





## SNIS 14<sup>th</sup> ANNUAL MEETING

### Greetings SNIS Members and Friends!

As summer approaches, we hope you are already making your plans to join us at the SNIS 14th Annual Meeting in Colorado Springs, Colorado from July 24-27.

Some years set records – and others mark milestones. For SNIS, in 2017 we will be celebrating our 25th Anniversary, a remarkable achievement for a society that has not only quadrupled in size over the years, but also redefined itself and the field it represents. From a relatively small group of interventional neuroradiologists in 1992 to a diverse group of practitioners with backgrounds in neuroradiology, neurology and neurosurgery in 2017, SNIS has, indeed, climbed a mountain of sorts. And, in a time where milestones can be hard to come by, we can say with pride that we've achieved one.

As we make our third visit to Colorado Springs, one glance at the conference agenda shows the outstanding work of the leaders of this year's event. Indeed, the program committee has anchored this year's Annual Meeting in rich content spanning clinical, practice and industry topical areas; the most innovative studies in neurointervention today; discussion sessions that add extra salt to the ongoing dialogue; networking opportunities that connect individuals in meaningful ways; and, of course, those coveted moments of rest and relaxation that provide just the perfect balance to a schedule that is packed to the gills.

We'll kick off the week with sessions dedicated to innovations in endovascular stroke and endovascular aneurysm therapy. We then dive into sessions on transvenous approaches to neuroendovascular surgery, clinical trials, innovations in basic science and important issues in health care policy. We are thrilled to dedicate a session to discuss global challenges in acute ischemic stroke with expert speakers from around the world. Additionally we'll spotlight the annual Luminary Lecture, this year provided by Alejandro Berenstein, MD. And, finally, we'll listen in on abstract sessions that will dot our program agenda throughout the week with the most interesting and promising research coming out of neurointerventional centers of excellence worldwide.

As we celebrate 25 years, we will take some time to look back at our successes and honor our leaders by inducting the first class of Fellows of the SNIS.

All SNIS activities require the contributions, resources and enthusiasm of many to keep the wind in our sails, but the effort behind the planning and hosting of the SNIS Annual Meeting truly necessitates an all hands on deck approach. For their enduring presence and partnership mentality, we pay special tribute to our loyal industry friends whose passion for our work is boundless and support of our cause makes so much possible. We thank you as well. As a most valued member of the collective neurointerventional community, your ideas and work on behalf of our specialty continue to advance the highest standards of excellence and keep our field at high tide amidst an ever-evolving healthcare landscape.

And so 2017 is as much about celebrating you as it is our 25-year anniversary. For a history rich with achievement and a future aglow with promise, thank you for your partnership. We look forward to celebrating with you in Colorado!

Sincerely,

Michael Chen, MD  
*Chair, 14th Annual Meeting*

Ansaar Rai, MD, MBA  
*Chair, 14th Annual Meeting*

Donald Frei, MD  
*President*

# SNIS 14<sup>th</sup> ANNUAL MEETING PROGRAM

This is a preliminary program and is subject to change.

## MONDAY, July 24, 2017

- 7:00 am Registration
- 7:30 am – 8:30 am Breakfast in Exhibit Hall
- 8:30 am – 8:35 am Welcome
- DIDACTIC SESSION – Innovations in Endovascular Stroke Therapy**  
*Moderated by Adam Arthur, MD & Blaise Baxter, MD*
- 8:35 am – 9:05 am Debate: IV rt-PA for LVO vs Direct Thrombectomy, *Rene Chapot, MD & David Liebeskind, MD*
- 9:05 am – 9:20 am Improving Stroke Care Systems Efficiency: Lessons Learned from Trauma and STEMI Care, *J Mocco, MD*
- 9:20 am – 9:35 am Mechanical Thrombectomy for Low ASPECTS, *Mahesh Jayaraman, MD*
- 9:35 am – 10:00 am Panel Discussion: When a Stent is Needed: Intra-procedural and Post-procedural Strategies for Tandem Occlusions and/or ICAD, *Michael Alexander, MD, Guilherme Dabus, MD, Shinichi Yoshimura, MD*
- 10:00 am – 10:15 am Mechanical Thrombectomy M2 and Beyond, *Sunil Sheth, MD*
- 10:15 am – 10:30 am Measuring Clinical Success after Thrombectomy: Is MRS the Best Way?, *Thomas Devlin, MD*
- 10:30 am – 10:45 am Mechanical Thrombectomy for Low NIHSS LVO, *Donald Frei, MD*
- 10:45 am – 11:30 am Break in Exhibit Hall/Oral Posters
- DIDACTIC SESSION – Abstract Presentations**  
*Moderated by Ameer Hassan, MD & Harris Hawk, MD*
- 11:30 am – 12:30 pm Abstract Presentations
- 12:30 pm – 1:45 pm Industry Technology Luncheon Symposium
- 1:45 pm – 2:00 pm Dessert in Exhibit Hall
- DIDACTIC SESSION – Global Challenges in Acute Ischemic Stroke**  
*Moderated by Rafael Blanc, MD & Johanna Fifi, MD*
- 2:00 pm – 2:15 pm Stroke Care in Populations with Increased Prevalence of ICAD, *Jianmin Liu, MD*
- 2:15 pm – 2:30 pm Optimizing Procedures to Maximize Outcomes, *Michel Piotin, MD*
- 2:30 pm – 2:45 pm Challenges with Nationalized Healthcare – the UK Experience, *Andrew Clifton, MD*
- 2:45 pm – 3:00 pm Challenges from Down Under, *Geoff Parker, MD*
- 3:00 pm – 3:15 pm Brazil: Organizing Stroke Care in the Face of Heterogeneity: Brazilian Healthcare Model & the Brazilian Thrombectomy Trial (RESILIENT), *Gisele Sampaio, MD*
- 3:15 pm – 3:30 pm Stroke Care in the Middle East – A Snapshot, *Farid Aladham, MD*
- 3:30 pm – 4:00 pm Break in Exhibit Hall
- DIDACTIC SESSION – Clinical Trials Update**  
*Moderated by Gary Duckwiler, MD & Michael Froehler, MD, PhD*
- 4:00 pm – 4:10 pm JNIS Update, *Felipe Albuquerque, MD*
- 4:10 pm – 4:25 pm StrokeNet: An Update on NINDS-funded Clinical Trials & Directions, *Joseph Broderick, MD*
- 4:25 pm – 4:45 pm New Perspectives in Clinical Trial Design: The Importance of Registries, *Shinichi Yoshimura, MD*
- 4:45 pm – 5:15 pm Rapid-Fire Clinical Trials Update

- 4:45 pm – 4:55 pm TOBAS, *Jean Raymond, MD*
- 4:55 pm – 5:05 pm SWIFT DIRECT, *Vitor Pereira, MD*
- 5:05 pm – 5:15 pm ENRICH, *Gustavo Pradilla, MD*
- 5:15 pm – 5:30 pm Discussion
- 6:00 pm Opening Celebration

## TUESDAY, July 25, 2017

- 7:30 am Registration
- 7:30 am – 8:30 am Breakfast in Exhibit Hall
- DIDACTIC SESSION – Innovations in Endovascular Aneurysm Therapy**  
*Moderated by Guilherme Dabus, MD & Thabele Leslie-Mazwi, MD*
- 8:30 am – 9:00 am Panel Discussion: How Do We Assess Effective Endovascular Treatment for Aneurysms?, *Patrick Brouwer, MD, David Fiorella, MD, Gary Duckwiler, MD*
- 9:00 am – 9:10 am Novel Intrasaccular Approaches to Aneurysm Treatment, *Nader Sourour, MD*
- 9:10 am – 9:20 am Flow Diversion for Distal Aneurysms, *Ricardo Hanel, MD*
- 9:20 am – 9:30 am Flow Diversion for Bifurcation Aneurysms, *Saruhan Cekirge, MD*
- 9:30 am – 9:40 am Treatment of Blister Aneurysms, *Ketan Bulsara, MD*
- 9:40 am – 9:50 am Surface Modified Stents, *Istvan Szikora, MD*
- 9:50 am – 10:00 am Discussion
- 10:00 am – 10:30 am Panel Discussion: What are the Unmet Needs for Aneurysm Treatment?, *Uday Linaye, MD, Philip Meyers, MD, Adnan Siddiqui, MD, PhD*

### DIDACTIC SESSION – Get Ahead of Stroke – One Year Later

*Moderated by Blaise Baxter, MD & Donald Frei, MD*

- 10:30 am – 11:00 am Update on Get Ahead of Stroke
- 11:00 am – 11:30 am Break in Exhibit Hall

### DIDACTIC SESSION – Abstract Presentations

*Moderated by Scott Geraghty, MD & Robin Novakovic, MD*

11:30 am – 12:15 pm Abstract Presentations

### DIDACTIC SESSION – Concurrent Live Interventional Demonstrations

- Moderated by Michael Kelly, MD, PhD & Clemens Schirmer, MD*
- 12:15 pm – 12:45 pm ICA Aneurysm/Ophthalmic Aneurysm
- 12:45 pm – 1:15 pm Bifurcation Aneurysm
- 1:15 pm – 1:45 pm Stroke Access
- 1:45 pm Free Time

## WEDNESDAY, July 26, 2017

- 7:00 am Registration
- 7:00 am – 8:00 am Foundation 5K/1 Mile Fun Run
- 8:00 am – 9:00 am Breakfast in Exhibit Hall
- DIDACTIC SESSION – INR Greatest Hits of the Past 25 Years**  
*Moderated by Kristine Blackham, MD & Tom Tomsick, MD*
- 9:00 am – 9:12 am Launch of a New Venture, *Charles Strother, MD*
- 9:12 am – 9:24 am Ten Years in – SWOT Analysis, *Van Halbach, MD*
- 9:24 am – 9:36 am The Presses Start Rolling, *Robert Tarr, MD*

**WEDNESDAY, July 26, 2017** cont.

- 9:36 am – 10:00 am Overview of the Past 25 Years
- 10:00 am – 10:15 am SNIS President's Address, *Donald Frei, MD*
- 10:15 am – 10:45 am Luminary Lecture – "Past, Present & Future of Neurointerventional Surgery", *Alejandro Berenstein, MD*
  
- 10:45 am – 11:15 am Induction of SNIS Fellows
- 11:15 am – 11:30 am Break in Exhibit Hall
  
- DIDACTIC SESSION – Late Breaking Abstract Presentations**  
*Moderated by Ali Alaraj, MD & Lissa Peeling, MD*
- 11:30 am – 12:15 pm Abstract Presentations
- 11:30 am – 11:35 am Aneurysm Treatment with FRED and FRED Jr: Results of SAFE (Safety and Efficacy Analysis of Fred Embolic Device in Aneurysm Treatment) Study, *Laurent Pierot, MD*
- 11:35 am – 11:40 am Treatment of Intracranial Aneurysms with Pipeline Flex Embolization Device with Shield Technology: Angiographic and Safety Outcomes at 1 year Follow-up, *Mario Martinez-Galdamez, MD*
- 11:40 am – 11:45 am One-year Follow-up Results from the WEB Intracranial Therapy Study (WEB-IT), *Adam Arthur, MD*
- 11:45 am – 11:53 am Discussion
- 11:53 am – 11:57 am DAWN in full daylight (DWI or CTP Assessment with Clinical Mismatch in the Triage of Wake Up and Late Presenting Strokes Undergoing Neurointervention), *Tudor Jovin, MD*
- 11:57 am – 12:02 pm A Comparison of Direct Aspiration versus Stent Retriever as a First Approach (COMPASS): Initial Angiographic Experience, *J Mocco, MD*
- 12:02 pm – 12:07 pm Pipeline Embolization of Posterior Circulation Aneurysms: A Multicenter Study of 131 Aneurysms, *Christoph Griessenaur, MD*
- 12:07 pm – 12:15 pm Discussion
  
- 12:15 pm – 1:30 pm Industry Technology Luncheon Symposium
- 1:30 pm – 2:15 pm Dessert in Exhibit Hall/Oral Posters

- DIDACTIC SESSION – Innovations in Basic Science**  
*Moderated by Justin Fraser, MD & Matthew Gounis, PhD*
- 2:15 pm – 2:40 pm Aneurysm Pathophysiology – The Future of Rupture Prevention, *Tomoki Hashimoto, MD*
- 2:40 pm – 3:05 pm Biomechanics of the Aneurysm – Aortic versus Intracranial, *Jay Humphrey, PhD*
- 3:05 pm – 3:30 pm Development of New Devices for Aneurysm Treatment, *David Kallmes, MD*
- 3:30 pm – 3:55 pm Platelet Function Testing: The Good, the Bad and the Ugly, *Larry Frelinger, PhD*
- 3:55 pm – 4:15 pm Discussion
- 4:15 pm – 4:45 pm Break in Exhibit Hall

- DIDACTIC SESSION – Health Care Policy You Won't Want to Miss!**  
*Moderated by John Barr, MD & Charles Kerber, MD*
- 4:45 pm – 5:05 pm NVQI – The Four Letters you Need to Know in Order to Succeed with MIPS, *Sameer Ansari, MD, PhD*
- 5:05 pm – 5:25 pm ELVO Patients Need to Get to Neurointerventional Equipped Centers – A Roadmap for Success with EMS, *Ryan McTaggart, MD*

- 5:25 pm – 5:45 pm Health Policy Update – It's Worth the Wait, *Joshua Hirsch, MD*
- 5:45 pm – 5:50 pm Discussion

**THURSDAY, July 27, 2017**

- 8:00 am Registration
- 8:00 am – 9:00 am Breakfast in Exhibit Hall
- 8:30 am – 9:00 am SNIS Business Meeting (*SNIS Members Only*)

**DIDACTIC SESSION – SNIS Connect Lightning Round (24 slides each, autoadvancing every 15 seconds)**

- Moderated by Michael Chen, MD & Ansaar Rai, MD, MBA*
- 9:00 am – 9:06 am Optimal Endovascular ITH Treatment Technique, *Webster Crowley, MD*
- 9:10 am – 9:16 am Flow Diversion in Pediatric Aneurysms, *Darren Orbach, MD*
- 9:20 am – 9:26 am Dangerous Cerebrovascular Anastomoses, *Pearse Morris, MD*
- 9:30 am – 9:36 am Flow Diversion for Ruptured Aneurysms, *Kyle Fargen, MD*
- 9:40 am – 9:46 am Radial Access – Essentials for Neurointervention, *Eric Peterson, MD*
- 9:50 am – 9:56 am SNIS Standards & Guidelines Update, *Justin Fraser, MD*

**DIDACTIC SESSION – Transvenous Approaches to Neuroendovascular Surgery**

- Moderated by Van Halbach, MD & Peter Rasmussen, MD*
- 10:00 am – 10:15 am AVM: Transvenous Approach, *Charbel Mounayer, MD*
- 10:15 am – 10:30 am Indirect Carotid Cavernous Fistula: Venous Drainage Patterns & Transvenous Approach, *Thomas Robert, MD*
- 10:30 am – 10:45 am Cerebral Venous Sinus Thrombosis: Endovascular Treatment Indications & Recent Results, *Kenneth Liu, MD*
- 10:45 am – 11:15 am Break in Exhibit Hall

**DIDACTIC SESSION – Abstract Presentations**  
*Moderated by Justin Caplan, MD & Babek Jahromi, MD*

- 11:00 am – 12:15 pm Abstract Presentations
- 12:15 pm – 1:30 pm Industry Technology Luncheon Symposium
- 1:30 pm – 1:45 pm Dessert in Exhibit Hall

**DIDACTIC SESSION – Great Saves & Complications**  
*Moderated by James Milburn, MD & Stavropoula Tjoumakaris, MD*

- 1:45 pm – 2:00 pm Aneurysm, *Jeremy Heit, MD*
- 2:00 pm – 2:15 pm Mechanical Thrombectomy, *Diogo Haussen, MD*
- 2:15 pm – 2:30 pm AVM, *Ajit Puri, MD*
- 2:30 pm – 2:45 pm In-stent Thrombosis, *Brijesh Mehta, MD*
- 2:45 pm – 3:00 pm Flow Diversion, *Pascal Jabbour, MD*

- 5:30 pm Fellows Course Hands-on Labs and Reception

**FRIDAY, July 28, 2017**

Fellows Course - *Please see Fellows Course insert for detailed program*

## Registration

Registration will be held in the **Broadmoor Hall Foyer** each day.

Registration Fees	Before June 30	After June 30
SNIS Member	\$895	\$995
Non-Member	\$1,195	\$1,295
Fellow/Resident/In-Training	\$400	\$450
Nurse/Technologist	\$400	\$450
Nurse/Technologist (Wednesday only)	\$0	\$0
Spouse/Guest	\$250	\$250
2-day registration – SNIS Member	\$495	\$595
2-day registration – Non-Member	\$695	\$795

**Registration fees include:** admission to all scientific sessions and the exhibit hall; breakfast on Monday, Tuesday, Wednesday and Thursday; lunch on Monday, Wednesday and Thursday; and admission to the Opening Celebration.

**Please note:** Registration applications and fees must be received at SNIS Headquarters by July 14, 2017. Applications received after July 14, 2017 will be processed on-site. To register, please complete the Registration Form and return it with your registration fees to:

Society of NeuroInterventional Surgery  
3975 Fair Ridge Drive, Suite 200 North  
Fairfax, VA 22033

## Online Registration

SNIS offers online registration. Please visit our Web site at [www.snisonline.org](http://www.snisonline.org) to register via our online registration form.

For more information about the conference please call (703) 691-2272 or e-mail [info@snisonline.org](mailto:info@snisonline.org)

## Cancellation Policy

Registrations canceled on or before July 3, 2017 are entitled to a refund, less a \$75.00 processing fee. All cancellations must be received in writing, and all refunds will be processed after the meeting. Registrations canceled after July 3, 2017 are non-refundable.

## SNIS Business Meeting

All SNIS Members are welcome to attend the SNIS Business Meeting that will be held on Thursday, July 27 at 8:30 am. The new Board of Directors will be introduced and a SNIS update will be presented.

## Exhibit Information

SNIS invites you to the Exhibit Hall Monday – Thursday to visit with our vendors.

## Opening Celebration

Please join us for our Opening Celebration on Monday, July 24 in the Lake Terrace Dining Room.



## The SNIS Foundation 5K Fun Run

Lace up your running or walking shoes, the SNIS Foundation is once again holding its 5K Fun Run around the beautiful Broadmoor. This is the perfect start for your day before enjoying exciting educational sessions. Join us on **Wednesday, July 26** for our race through the mountains. All participants will receive an event t-shirt, and overall winners will receive prizes. All ages are welcome to participate and we especially encourage your families to join the fun!

All registration fees will be donated to the SNIS Foundation. If running is not your thing, we encourage you to make a donation to the SNIS Foundation and come out to cheer on your friends. We can't wait to see you and have you join us for this event!



## HOTEL & TRAVEL INFORMATION




### Hotel Information

SNIS will be holding the 14th Annual Meeting and Fellows Course at The Broadmoor in Colorado Springs, Colorado. Please make your reservations directly with the Broadmoor on or before June 28, 2017 by calling (800) 634-7711 or by visiting <https://aws.passkey.com/event/49018650/owner/8026/home>. Be sure to identify yourself as a SNIS attendee in order to receive the special room rate of \$315 for classic rooms, \$339 for superior rooms and \$377 for premier rooms.

The hotel's address and phone number are:

The Broadmoor Hotel  
1 Lake Avenue  
Colorado Springs, CO 80906  
(719) 634-7711

### Airport Transportation

**UNITED**  SNIS has partnered with United Airlines to provide a discounted rate off of your travel to Colorado. You may book online at [www.united.com](http://www.united.com) and enter Offer Code **ZXWM164248** in the Offer Code box when searching for your flights.

If booking through a travel professional or United Meetings at 1-800-426-1122, please give them the following information:

**Agreement Code: 164248      Z Code: ZXWM**

Outside of the United States, please call your local United Airlines Reservation Office.

### About The Broadmoor Hotel

When Spencer and Julie Penrose opened their grand resort at the gateway to the Colorado Rocky Mountains in 1918, the master plan was to create a place where European elegance met Western hospitality in the perfect blend of style and service excellence. More than nine decades later, their vision is intact and their dream is still alive.

Eighteen restaurants, cafes and lounges make dining at The Broadmoor an unforgettable experience. Consistent winners of the prestigious DiRONA and Wine Spectator awards, Summit — The Broadmoor's Adam D. Tihany designed restaurant — has garnered *The Robb Report's* Best of the Best award and *Esquire's* Best New Design and 20 Best New Restaurants honors. Finally, Colorado's first and only Forbes/Mobil Travel Guide Five Star and AAA Five-Diamond restaurant, Penrose Room, continues its reign as one of the Rocky Mountain region's top destinations for fine classic-style dining in a stylish atmosphere.

Located in Broadmoor West, Play at The Broadmoor's "luxury retro" styling and eclectic bowling menu has something for everyone. Among an atmosphere of sophisticated fun, Chef David Patterson serves up fresh, diverse snacks suited for every palate and inspired by his experience from around the globe. Six lanes of bowling and a game room take Play at The Broadmoor to the next level for both kids and adults alike.

For years, The Broadmoor been recognized with numerous prestigious awards including Mobil Five-Star (55 years in 2015), AAA Five-Diamond (40 years in 2016), *Condé Nast Traveler* – Gold List; Zagat Survey Exceptional Rating, American Express *Departures* Magazine Readers' Favorite Award and Travel & Leisure Top 500 Hotels in the World. Our meetings facilities have also been honored with C & I Travel – Award of Excellence, C & I Travel – Paragon Award and C & I World Class Award – Insurance Meetings. "Grande Dame of the Rockies" continues to stand in the forefront of world-class facilities, amenities and service, combining state-of-the-art comfort and convenience with an elegant and luxurious charm one could only find in a classic international resort.

## Alejandro Berenstein, MD



**Alejandro Berenstein, MD** is the Director of the Pediatric Cerebrovascular Program at Mount Sinai in New York, NY. He is a pioneer in neurointerventional surgery and established the first comprehensive center for the multidisciplinary treatment of head, neck and peripheral vascular lesions. His contributions include the description of the functional vascular anatomy, understanding and describing the diseases, and the development of multiple medical devices to treat them used throughout the world. He has authored over 150 publications in peer-reviewed journals, more than 25 chapters in the field, and 9 books including the five-volume, groundbreaking textbook, *"Surgical Neuroangiography"*.

## LUMINARY LECTURE

In 2007, Dr. Berenstein received the Physician of the Year Award from the Vascular Birthmark Foundation for his work with children with vascular birth defects. That year, he was also the recipient of the Boston Scientific Neurovascular Lifetime Achievement Award for excellence in research and clinical applications. He has been visiting professor, lecturer and faculty in over 600 occasions. Dr. Berenstein served as the first president of the World Federation of Interventional and Therapeutic Neuroradiology (WFITN) and was President of SILAN, the Latin-American Society of Neuroradiology. Dr. Berenstein was the third President of the Society of NeuroInterventional Surgery (then known as ASITN). It is an honor for the SNIS to have Dr. Berenstein as our 2017 Luminary Lecturer.

### Satisfactory Completion

Participants must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. NOTE: If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

### Physicians

#### Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Amedco and the Society of Neurointerventional Surgery. Amedco is accredited by the ACCME to provide continuing medical education for physicians.

#### Credit Designation Statement

Amedco designates this live activity for a maximum of 20.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



## SNIS NEUROVASCULAR SYMPOSIUM

**Physicians – Please pass this along to your advanced practice providers, nurses and technologists**

SNIS is offering an innovative program for our non-physician colleagues. Just as our nurses, radiology technologists, and allied health professionals are integral parts of our practices, we believe that these key individuals also should be integrated into our academic endeavors. We are excited and proud to present a day of parallel programming designed specifically to help our non-physician colleagues meet the unique challenges they face when working as part of an interventional team.

*This is a preliminary program and is subject to change.*

### Wednesday, July 26, 2017

7:00 am – 8:00 am SNIS Foundation 5K

7:00 am Registration

8:00 am – 8:45 am Breakfast in Exhibit Hall

8:45 am – 9:30 am Neuro Anatomy, *Nicholas Sullivan, MSN, ACNP-BC, FNP-BC*

9:30 am – 10:15 am Recognition of Posterior Circulation Stroke, *Judd Jensen, MD*

10:15 am – 10:30 am Break

10:30 am – 11:15 am Unusual Causes of Stroke: DVST & RCVS, *Benjamin Atchie, DO*

11:15 am – 12:15 pm Cerebral Aneurysms: Ruptured and Unruptured, *Nicholas Sullivan, MSN, ACNP-BC, FNP-BC*

12:15 pm – 1:15 pm Industry Technology Luncheon Symposium

#### Track A: Advanced Practice Providers

1:15 pm – 1:45 pm Basics of Neuroimaging, *David Dungan, MD*

1:45 pm – 2:30 pm Neuropharmacology in the Neurovascular Patient, *Sonny Kupniewski, PharmD*

2:30 pm – 3:00 pm Streamlining Stroke Processes, *Michelle Whaley, MSN, CNS, CCNS, ANVP-BC*

3:00 pm – 3:10 pm Break

3:10 pm – 3:45 pm CAS vs CEA: What is the Best Option, *Donald Frei, MD*

3:45 pm – 4:30 pm Advanced Practice Providers and the Pitfalls of Practice Management, *Gwendolyn Dooley, NP*

#### Track B: Nurses/Technologists

1:15 pm – 1:45 pm BP, Vasospasm & EVD Management in Acute Stroke, *Lauren Cittadano, CNS*

1:45 pm – 2:30 pm Neurovascular Pros and Cons of Colorado's Pot Climate, *Ed Carriere, MD*

2:30 pm – 3:00 pm Moral Distress, Compassion Fatigue & Burnout in the Healthcare Provider, *Marcia Dahlgren, BSN, MSHCE*

3:00 pm – 3:10 pm Break