

74th  
*Southern  
Neurosurgical  
Society*

*Sustainability in  
Neurosurgery*

ANNUAL MEETING

**MARCH 6-9, 2024**

PRELIMINARY PROGRAM



**Featuring:**

- **Haley Fortier** / Downing Lecturer
- **John Sampson, MD, PhD** / Hudson Lecturer
- **David Limbrick, MD, PhD** / Semmes Lecturer
- **Domagoj Coric, MD** / Distinguished Practitioner
- **Kristen Riley, MD** / President
- **Peter Fecci, MD, PhD** / Program Chair

**THE CONRAD ORLANDO  
ORLANDO, FLORIDA**



American  
Association of  
Neurological  
Surgeons

Jointly Provided by the AANS



**Kristen Riley, MD**  
President



**Peter Fecci, MD, PhD**  
Program Chair



**John Sampson, MD, PhD**  
Hudson Lecturer



**David Limbrick, MD, PhD**  
Semmes Lecturer



**Domagoj Coric, MD**  
Distinguished Practitioner

## Dear Colleagues:

**LEE AND I ARE EXCITED TO INVITE YOU TO** the 74th Annual Meeting of the Southern Neurosurgical Society at the brand-new Conrad Hotel in Orlando, FL. We expect the 2024 meeting to set records for attendance due to the fabulous destination and exciting program. You won't want to miss the cutting-edge content or the camaraderie with your colleagues!

Dr. Peter Fecci has organized the scientific program around the theme of Sustainability in Neurosurgery. We are excited about the lineup of talks from senior leaders about sustaining careers in neurosurgery, as well as the “showdowns” in our various specialties. We will hear from Dave Limbrick and John Sampson as the Hudson and Semmes Lecturers. We will also honor Dom Coric as the 2024 Distinguished Practitioner. Our 2024 Downing Lecturer is Haley Fortier, one of Food & Wine magazine’s “Sommeliers of the Year” in 2019 and a semifinalist in the 2020 James Beard Awards. Her wine bar in Boston, haley.henry, offers responsibly sourced and small production wine, tinned fish, ceviche, and charcuterie. Haley and Dr. Fecci will combine their expertise in the ticketed Wine Tasting Experience on Friday afternoon.

Our location this year offers a luxury retreat among the bustle of Orlando. Designed with contemporary décor and a full-service experience, it is situated on the brand-new Evermore Resort. Evermore is surrounded by a nature preserve, home to two golf courses and spa with water garden, and has the only white sand beaches in Central Florida! You and your family can enjoy an array of dining options and activities on-site or ride the complimentary transportation to the four neighboring Disney theme parks.

I can't wait for our Family Night at Icon Park. There will be something for everyone—stunning views of Orlando at sunset on The Wheel, surprises around every corner of the Museum of Illusions, and a chance to let our hair down with a party and games on the lawn.

We hope that all SNS members will stay through the Saturday evening Final Banquet as we're offering both a dance party and an after-dinner cigar lounge.

We are visiting Orlando in peak season and the new resort is sure to have high demand, so please book your hotel rooms as soon as possible, particularly if you plan an extended stay. It is an incredible honor to serve as President of the Southern this year. We look forward to reconnecting with you this March.

**Kristen & Lee Riley**

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# Abstracts and CME

Attendees at the **74th Southern Neurosurgical Society Annual Meeting** are invited to submit abstracts for presentation during the course. We encourage you to submit abstracts relating to current and emerging techniques and technology, evidence-based approaches to neurosurgical practice, and basic science studies relevant to neurosurgery. Abstract submission is open to members and non-members.



**Submission Deadline:**  
November 20, 2023, 11:00 pm Central Standard Time

## Abstract Categories

- Functional
- Pediatric
- Trauma
- Military, veteran, or global neurosurgery
- Peripheral Nerve
- Tumor
- Spine
- Vascular

To submit your abstract and review submission guidelines, visit [www.southernneurosurgery.org](http://www.southernneurosurgery.org)

## Learning Objectives

- Discuss advances, controversies, and future trends in treatment of spine, tumor, pediatric, vascular, and functional neurosurgery.
- Describe current best practices and cutting-edge research in neurosurgery.
- Discuss different approaches for building and maintaining a neurosurgical career.

## Timeline



**November 20, 2023**  
(11:00 pm Central Standard Time)

Abstract submission deadline.



**December 20, 2023**

E-mail notification sent of acceptance or rejection for all abstracts.



**January 15, 2024**

Presenters must confirm plans to attend course (and register) or identify an alternative presenting author.

# Abstracts and CME

## ACCREDITATION & DESIGNATION

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 the AANS and Southern Neurosurgical Society (SNS). The AANS is accredited by the ACCME to provide continuing medical education for physicians. This activity has been approved for *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Each physician should claim only the credit commensurate with the extent of their participation in the activity.

## DISCLAIMER

The material presented at the Southern Neurosurgical Society (SNS) Annual Meeting has been made available by the SNS and the AANS for educational purposes only. The material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather it is intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations. Neither the content (whether written or oral) of any course, seminar or other presentation in the program, nor the use of a specific product in conjunction therewith, nor the exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the SNS and jointly provided by the AANS, or its Committees, Commissions, or Affiliates. Neither the AANS nor the SNS makes any statements, representations

or warranties (whether written or oral) regarding the Food and Drug Administration (FDA) status of any product used or referred to in conjunction with any course, seminar or other presentation being made available as part of 74th Southern Neurosurgical Society Annual Meeting. Faculty members shall have sole responsibility to inform attendees of the FDA status of each product that is used in conjunction with any course, seminar or presentation and whether such use of the product is in compliance with FDA regulations.

## INTENDED AUDIENCE

This program is intended for physicians, residents, fellows, and allied health professionals who include neurosurgery in their practices.

## METHOD OF INSTRUCTION

This will be a live presentation with oral presentations and interactive discussions.

## DISCLOSURES

Before the program, anyone in control of the educational content of this activity will disclose the existence of any financial interest and/or the relationship they have with companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. Disclosures will be included in the final program.

# Downing Lecture



**Haley Fortier**

*Owner/Operator*

*haley.henry wine bar & nathalie wine bar*

**HALEY FORTIER BRINGS 20+ YEARS OF EXPERIENCE** to the hospitality industry and is the founder of two charming, sophisticated & energetic wine bars in the heart of Boston, MA: haley.henry & nathalie wine bars.

Both wine bars are known for their carefully curated selections of natural, organic and biodynamic wines from around the globe. Fortier's specific vision on creating spaces in the wine world that offer inclusion, education, diversity and undeniable vibes has allowed her to create memorable wine-drinking experiences for seasoned oenophiles & those wanting to dip their toes into the captivating world of wine. More so, her commitment to supporting small, independent winemakers, with a focus on women-led wine operations is what has set her apart from other wine bars within the city.

Under Fortier's leadership, haley.henry wine bar was recognized consecutively in 2019 and 2020 as a semifinalist in the James Beard Award category of "Outstanding Wine Program". She was also named in 2019 by Food & Wine magazine as one of the "2019 Sommeliers of the Year". Her entrepreneurial style has garnered her recognition in both local & national press, including *Imbibe*, *Food & Wine*, *Bon Appetit*, *Wine Enthusiast* & numerous local accolades and awards.

# Scientific Program

## Wednesday, March 6

3:00–5:00 pm Meeting Registration

## Thursday, March 7

7:00–7:30 am Continental Breakfast and Exhibit Viewing

### SESSION I: Sustainability: Sustaining A Career In Neurosurgery 7:30 am–9:30 am

Welcome	K. Riley, MD
Sustaining an Academic Career	J. Markert, MD, PhD
Sustaining a Career in Private Practice	A. Brown, MD
Sustaining Women in Neurosurgery	
Sustaining Education in Neurosurgery	
Sustaining Medicine and Neurosurgery Globally	
Sustaining a Career through Adversity and Adapting	K. New, MD

9:30–10:00 am Refreshment Break with Exhibitors

### SESSION II: Free Papers & Downing Lecture 10:00 am–12:05 pm

Free Papers & Discussion	
Introduction to Ned Downing Lecture	P. Fecci, MD, PhD
<b>Ned Downing Lecture</b>	<b>Haley Fortier</b>

12:15–1:15 pm Resident, Fellow, and Young Surgeon Workshop & Lunch

6:00–7:30 pm Welcome Reception with Exhibitors

*Continued on next page*

# Scientific Program

**Friday, March 8**

## SESSION III: Sustainability: Using Technology to Sustain Patient and Surgeon

7:30 am–10:05 am *Session 3 is not CME-accredited*

### VISUALIZE

Visualize Networks: Connectomics	M. Sughrue, MD
Visualize Reality: AR/VR	
Visualize the Tumor: 5-ALA	

### MINIMIZE

Minimize Surgeon Exposure: Less Ray	R. Isaacs, MD
Minimize Surgical Exposure: Robotic Spine Surgery	M. Abd-el-Barr, MD
Minimize the Surgeon: Fully Autonomous Robots	P. Codd, MD

### ZAP

Zap: Focused Ultrasound	S. Harward, MD, PhD
Zap: Laser (LITT) and Nanotechnologies	P. Fecci, MD, PhD
Zap: Ultrasonic Bone Aspiration	S. Pirris, MD
Zap: ZapX Portable SRS	

Introduction to Presidential Address

### Presidential Address

**K. Riley, MD**

**10:05–10:35 am**

**Refreshment Break and Exhibit Viewing**

## SESSION IV: Free Papers & Hudson Lecture

10:35 am–12:55 pm

Free Papers & Discussion

Washington Update K. Orrico, MD

Business Meeting K. Riley, MD &  
T. Adamson, MD

Introduction to the Hudson Lecture P. Fecci, MD, PhD &  
P. Grossi, MD

### Hudson Lecture

**J. Sampson, MD, PhD**

**6:30–9:30 pm**

**Family Night at ICON Park**

S. Pirris, MD

*Continued on next page*

# Scientific Program

**Saturday, March 9**

**SESSION V: Sustaining the Argument: Showdowns**  
7:30 am–9:40 am

	Tumor Showdown	
	Spine Showdown	
	Vascular Showdown	
	Functional Showdown	
	Pediatrics Showdown	
	Introduction to Distinguished Practitioner Lecture	J. Wilson, MD
	<b>Distinguished Practitioner Lecture</b>	<b>D. Coric, MD</b>
<b>9:40–10:00 am</b>	<b>Final Refreshment Break with Exhibitors</b>	

**SESSION VI: Free Papers & Semmes Lecture**  
10:10 am–12:25 pm

	Free Papers & Discussion	
	Introduction to the Semmes Lecture	
	<b>Semmes Lecture</b>	<b>D. Limbrick, MD</b>
	Raffle Drawing & Closing Comments	
<b>6:30–7:00 pm</b>	<b>Final Banquet: Cocktail Reception</b>	
<b>7:00–10:00 pm</b>	<b>Final Banquet: Dinner and Dancing</b>	

*\* Program and Faculty Subject to Change*

# Registration



Register Online at [southernneurosurgery.org](https://southernneurosurgery.org)

Deadline: February 5, 2024

Save \$150 when you register by the early-bird deadline!

## Medical Attendee Registration

Includes admittance to meeting, program book and other materials, breakfast and coffee breaks on program days, Welcome Reception, Family Night, and the Final Banquet.

### EARLY-BIRD RATES (Before February 5)

SNS Member Neurosurgeon	\$850
Non-Member Neurosurgeon	\$950
Resident/Fellow	\$425
Nurse/PA/Allied Health	\$575

## Spouse/Guest Registration

All guest registration includes Thursday, Friday, and Saturday breakfasts, the Welcome Reception, and Family Night at ICON Park. Adult Guest registration also includes the Final Banquet on Saturday night (see page 10 for details).

Adult Guest (18+)	\$525
Teen (Age 13-17)	\$175
Child (Age 4-12)	\$99
Young Child (3 and under)	\$0 Complimentary

## CORPORATE/INDUSTRY REGISTRATION

Registration for corporate representatives must go through an exhibiting company. Contact Carly Franzen at [cfranzen@broad-water.com](mailto:cfranzen@broad-water.com) for details.

## LATE REGISTRATION

Additional \$150 fee applies for registrations received after February 5 and on-site.

## CANCELLATION POLICY

Cancellations received in writing on or before February 5 will be refunded in full less a \$150 administrative fee. Cancellations received after February 5 will not be refunded without a documented medical or travel restriction from your institution, or state or federal government. Send a written cancellation request to Val Broyles at [vbroyles@broad-water.com](mailto:vbroyles@broad-water.com).

## AMERICANS WITH DISABILITIES ACT

The SNS wishes to take proactive steps to ensure that no individual with a disability is excluded, segregated, denied services, or otherwise treated differently as a result of the absence of auxiliary aids and services. If you require any of the aids or services identified in the Americans with Disabilities Act in order to attend any SNS program, please contact the SNS Meeting Planning Office at (630) 681-1040.

## SNS Meeting Planning Office

c/o BroadWater

111 W. Wesley St., Ste. 2

Wheaton, IL 60187

T: (630) 681-1040

F: (630) 682-5811

E: [vbroyles@broad-water.com](mailto:vbroyles@broad-water.com)



# Hotel Reservations

## The Conrad

The brand-new Conrad Orlando sits on the 1,100-acre Evermore Orlando Resort. Buffered by a nature preserve, Conrad Orlando offers everything from a tranquil water garden to thrilling aquatic adventures. Explore Evermore Bay, golf at the acclaimed Links Course, and dine at five restaurants and lounges. You can also take the dedicated motor coach to *Walt Disney World*® Resort, less than three miles away.

### Conrad Orlando

1500 Eastbeach Way  
Orlando, FL 32836  
T: (407)-387-2000

## GROUP RATES

**SNS is pleased to offer a variety of discounted room options depending on your preferences. Choose a serene retreat for yourself or comfortable accommodation for the whole family.**

**Note that room categories may sell out quickly!**

Room Type	Single or Double Occupancy	Triple Rate	Quad Rate
Standard Deluxe Guestroom	\$409	\$434	\$459
Lagoon View Single King or Two Queen Guestroom with Balcony	\$509	\$534	\$559
Luxury Suite (sleeps 3; 2 full baths; connecting rooms available)	\$609	\$634	\$659
Family Suite (sleeps 6; 2 full baths)	\$799	\$824	\$859

\*plus tax and \$30 discounted daily resort fee

Group rate honored three days prior and post meeting dates, based on availability

## RESERVE EARLY!

**Visit our Group Booking Site for further details. And reserve your room early! The discounted rate will not be available after February 2, 2024 or if our room block sells out.** Our housing block typically fills before the deadline and reservations after this date will be taken on a space-available basis only, at current prevailing rates.

## ROOM DEPOSIT

Cancellations made within 5 days of arrival will forfeit one night's room and tax.

## ROOM AMENITIES INCLUDE:

- Floor to Ceiling Windows
- Marble Bathroom
- Nespresso Machine
- HDTV with Streaming Services
- Guest Room Enhanced High Speed Internet Access

## CONRAD RESORT FEE AMENITIES:

- Internet access
- Two bottles of water daily
- \$20 discount on golf club rentals at Grand Cypress Golf
- 20% discount on spa treatments at the Conrad Spa (not applicable to merchandise)
- 10% discount on apparel and merchandise at Grand Cypress Golf Pro Shop
- Kayak rental for one hour, per day
- Paddle board rental for one hour, per day
- Shuttle service to and from all four Disney theme parks
- Plus, all Conrad guests have access to the Arrival and Departure Lounge, 24-hour Fitness Center, Salon, Spa, Private Lagoon Beach, Pool, Kids' Club & Splash Pad, EV Charging, and additional dining options and activities at Evermore Resort

*Resort Amenities Subject to Change*

## TRANSPORTATION AND MORE:

Visit [southernneurosurgery.org](https://southernneurosurgery.org) to learn about ground transportation and more resort details.

## Reservation Instructions



Use the SNS online booking portal to make your hotel reservations.

To book by phone or for assistance with your existing reservations, call 1-800-266-7237

# Social Events



## Welcome Reception

**Thursday, March 7, 2024**

6:00–7:30 pm  
Exhibit Hall

After the first day of sessions, live music creates a festive backdrop for greeting colleagues and guests. Sample small plates and enjoy a drink while you mingle.

### EVENT ATTIRE

**Scientific Program:**  
Business Casual

**Welcome Reception & Family Night:**  
Resort Casual

**Final Banquet:**  
Black Tie Optional



## Family Night

**Friday, March 8, 2024**

6:30–9:30 pm  
ICON Park

There's something for everyone at ICON Park! Experience the unexpected with exclusive access to the jaw-dropping walkthrough exhibits at the Museum of Illusions. Get the bird's eye view of Orlando from the 400' air-conditioned Observation Wheel. A ride on the handcrafted Carousel is essential for every kid (and kid at heart)! When you're not exploring, let your hair down at our Party on the Lawn — did someone say giant beer pong?

If you'd like to explore the other fun attractions at Icon Park, we'll have shuttles for SNS attendees and their families beginning at 4:30 pm.



## Final Banquet

**Saturday, March 9, 2024**

6:30–7:00 pm Cocktail Reception  
7:00–10:00 pm Dinner & Dancing  
Jacaranda Ballroom, Foyer, & Terrace

We encourage all SNS members to stay through Saturday evening to toast the Executive Council and another successful Annual Meeting! Attendees and registered guests ages 18+ are invited to this evening of fine dining. Then, be ready to boogie with your favorite old school dance hits or relax in the Banquet Lounge with hand-rolled cigars and a parting cup. We'll celebrate our leaders and say farewell until 2025! *Black Tie Optional.*



## Wine Tasting / Pairing

**Hosted by Peter Fecci, MD, PhD and Haley Fortier —  
Ticket Purchase Required**

**Friday, March 8, 2024 | 3:00–5:00 pm**

Join Program Chair and Level 3 Sommelier Peter Fecci, as well as Downing Lecturer, restaurant owner, and 2019 Food and Wine Sommelier of the Year Haley Fortier, for a delicious tour of some of their preferred “off-the-beaten-path” wines. Wines will be accompanied by a selection of chic, carefully curated tinned fish (an increasingly popular European delicacy) from Haley's highly acclaimed Boston restaurant, *haley.henry*. This unique tasting experience is sure to leave you with a new appreciation for beautiful examples of sustainable food and wine.  
***Ticket information will be sent to registrants in January 2024.***

# On-site Recreation



## Crystalline Lagoon & Resort Pools

Conrad's aquatic oasis features an outdoor pool, private beach, splash pad, and serene Evermore Bay – each designed for effortless excitement. Walk along the white sand, or wade in the captivating waters of the eight-acre, beach-style lagoon. Kayak and paddle board rentals are included in your resort stay.



## Conrad Spa

Discover the full-service spa and salon, inspired by the natural springs of Central Florida. Spend the day unwinding in private treatment rooms and enjoy exclusive access to the water garden, fitness center, and movement studio. Every treatment room is a serene place to balance the body and calm the mind. Wander the lush water garden. Practice wellness with spa rituals. All services are **by appointment**.



## Golf

Guests at Evermore's world-class golf facility will have the opportunity to experience 36 holes of golf designed by Jack Nicklaus. These two courses offer both a championship challenge and stunning beauty. Framed between pristine waters and towering pines, you will enjoy preferential access to these greens and our onsite golf pros as a guest at Conrad Orlando. **Book Tee Times.**



## Evermore Resort Amenities

As a guest at the Conrad, you can enjoy all that the Evermore Resort has to offer. From fitness, to watersports, to the Ice Cream Brigade, **learn more** about what it means to be a guest of Evermore.

*Please note that hotel services and activities are subject to change.*



## SNS Golf Tournament

**Thursday, March 7, 2024, 1:00 pm**  
**Grand Cypress Links Course**

\$295 per player – includes a boxed lunch, 18 holes of golf, cart fee, club storage and cleaning after play, markers, scorecards, prizes, and all taxes and fees.

**Register** (via SNS Meeting Registration) **by February 5, 2024**

Join your colleagues for some friendly competition and prizes! We'll award Lowest Gross Score, Lowest Net Score, Longest Drive, Closest to the Pin, and New This Year: Best Team Score!

# On-site Dining



## Ceiba

Ceiba bridges traditional and contemporary Mexican cuisine, bringing tasteful dishes to your table. Join us for striking views of theme park fireworks from our signature rooftop restaurant.



## Sophia's Trattoria

Sophia's Trattoria celebrates the diverse culinary traditions of Southern Italy with a wide range of cooking styles, traditional recipes, and seasonal ingredients. When brought together, these elements paint a stunning portrait of regional coastal cuisine.



## Papaya Club

Brimming with lush fruits and exotic spices, Papaya Club offers a vibrant, waterside escape along the resort's Evermore Bay. Surrender your cares at our vintage tiki lounge with a contemporary twist.



## Apéro

Apéro evokes the al fresco spirit and relaxed sensibility of the Mediterranean Riviera. Sip refreshing cocktails at the Spritz Bar. Explore a unique Italian wine list curated to complement our savory menu.



## Little Spoon

Visit our buzzing European café and market for gourmet grab-and-go options, day or night. From pastries and gelato to sandwiches and snacks, Little Spoon offers what the moment requires.



## Additional Dining

Explore nearby options at Evermore, from full-service restaurants to quick bites to bars and lounges, you're sure to find your next exciting meal at one of the **18 in-resort dining options.**

*Please note that hotel services and activities are subject to change.*

# Destination: Orlando, Florida



Whether you're a theme park enthusiast, bird watcher, foodie, water sports fanatic, sun worshipper, arts patron, serious shopper or anything in between, the city of Orlando has something for you. Home to the famous theme parks in addition to world-class dining, shows, museums, and more, you will never run short of places to explore while in Orlando.

Plan your trip at the official visitor website, [visitorlando.com](http://visitorlando.com)

## Air Travel

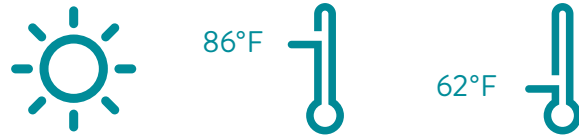
Conrad Orlando is located approximately 20 miles from Orlando International Airport (MCO).

## Ground Transportation

Rideshare services like Uber and Lyft will be readily available. If you would like to book ground transportation in advance, visit [Mears Transportation](#); Mears offers pre-booked private transfers, as well as on-demand elevated taxi service from MCO.

## Weather

March daily high temperatures are around 76°F, with daytime temps rarely falling below 62°F or exceeding 86°F. March is among the least rainy months of the year in Orlando, experiencing an average of 5 days with precipitation.



## Orlando Theme Parks

Both **Walt Disney World® Resort** and **Universal Orlando Resort** offer special pricing to Orlando convention-goers. Check out these links to purchase tickets during your trip to SNS 2024:

### Walt Disney World® Resort

To purchase specially priced Disney Meeting Theme Park tickets for SNS attendees, [click here](#) or call 407-566-5600. Tickets are valid 7 days pre, during, and 7 days post meeting dates. Please note the cut-off date for advance purchase savings is **3/5/2024**.

### Universal Orlando Resort

Universal Orlando Resort offers specially priced **After 2 PM** tickets designed for meeting attendees. Enjoy your choice of either Universal Studios Florida or Universal's Islands of Adventure theme park. See site for more detail.