

# 69th SOUTHERN NEUROSURGICAL SOCIETY

## ANNUAL MEETING

**Patient Care: In Pursuit of Excellence**

**FEBRUARY 28–MARCH 3, 2018**

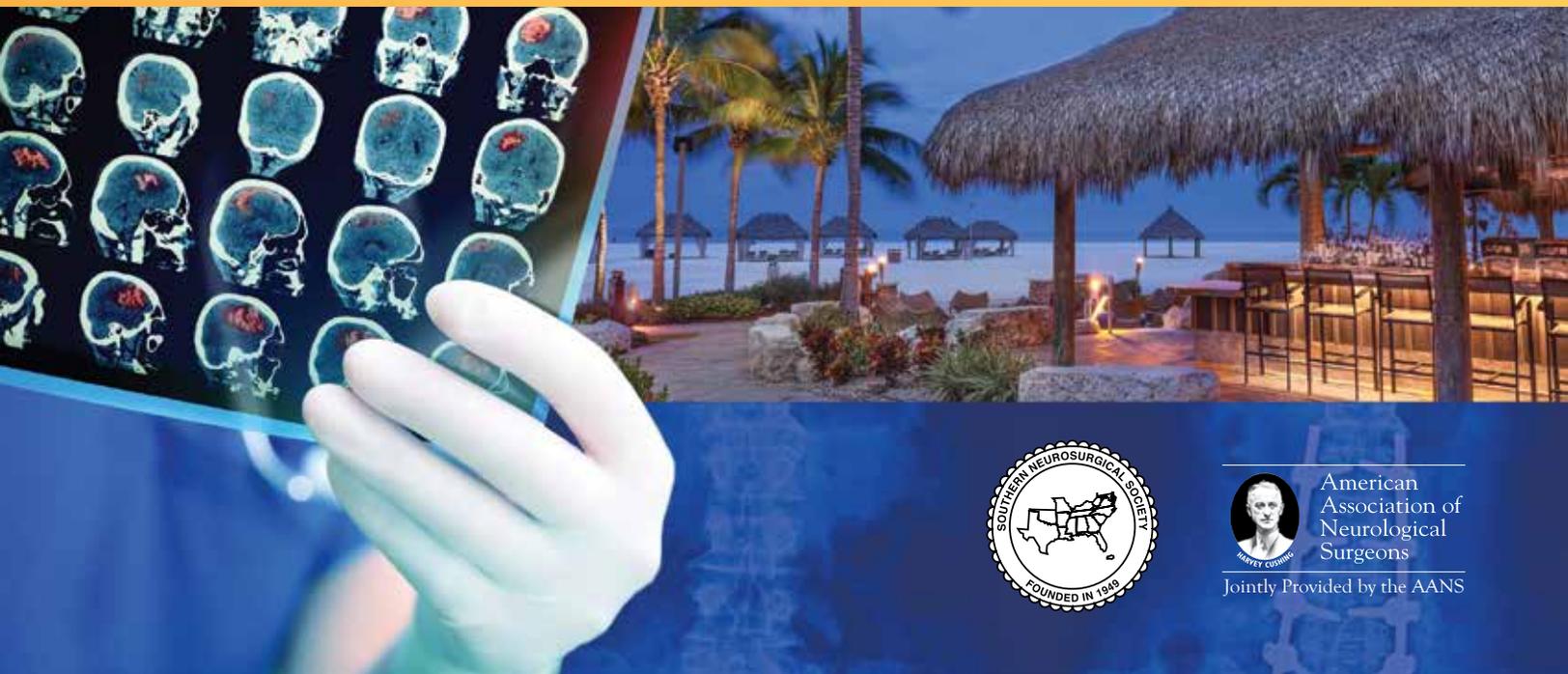
JW Marriott | Marco Island, Florida

**FEATURING:**

**Nelson M. O'yesiku, MD, PhD**  
as the Hudson Lecturer

**Allan H. Friedman, MD**  
as the Semmes Lecturer

**Robert E. Wharen, Jr., MD**  
as the Distinguished  
Practitioner



American  
Association of  
Neurological  
Surgeons

Jointly Provided by the AANS

## Dear Colleague:

**TRACY AND I ARE EXCITED TO INVITE YOU TO THE 69th Southern Neurosurgical Society Annual Meeting**, which will be held February 28–March 3, 2018 at the JW Marriott Marco Island.

The Executive Committee was sad to learn that The Ritz-Carlton San Juan would not be able to accommodate the SNS Meeting due to the ongoing infrastructure problems Puerto Rico still faces after Hurricane Maria. We continue to keep the people of PR in our thoughts and prayers.

We were very lucky to secure the recently renovated JW Marriott Resort in Marco Island, Florida on short notice. Our 2018 meeting promises an in-depth and exciting program, a wonderfully relaxing environment for the whole family, and memorable social activities.

Dr. Cory Adamson has created a relevant and practical scientific program with carefully structured sessions on Spine, Tumors, Vascular, Functional, Pediatric, and Trauma/Military. We've added more abstracts to provide brief, applicable research updates, with additional discussion time for questions and debates from the floor.

We are honored to have Allan H. Friedman, MD, as the R. Eustace Semmes Lecturer and Nelson O'yesiku, MD, as the William Henry Hudson Lecturer. We are also pleased to honor Robert E. Wharen, Jr., MD as our Distinguished Practitioner.

This preliminary program is your guide to all the course details, including submitting abstracts, completing your registration, booking your stay at the JW Marriott, and planning your visit.

We always advise that you book your hotel rooms early, particularly if you plan an extended stay. We will be visiting Marco Island in peak season, therefore rooms and individual tours and activities may sell out well in advance of our meeting. Don't wait; make your plans today. See you in February!

Sincerely,

Eric W. Nottmeier, MD, SNS PRESIDENT

## TABLE OF CONTENTS



**Abstracts & CME**  
3



**Program Schedule**  
4–5



**Social Events & Registration**  
6–7



**The JW Marriott & Reservations**  
8–9



**Destination & Activities**  
10–11



**SUBMIT YOUR ABSTRACT BY NOVEMBER 20, 2017**  
[southernneurosurgery.org](http://southernneurosurgery.org)



**REGISTER BY JANUARY 31, 2018**  
[regonline.com/SNS2018](http://regonline.com/SNS2018)

# Abstracts & CME

Attendees at the 69th 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.



**SUBMISSION DEADLINE:**  
November 20, 2017  
11:59 pm Eastern Standard Time

## ABSTRACT & CASE CATEGORIES

- Functional
- Military, Veteran, or Global Neurosurgery (New Category for 2018!)
- Pediatric
- Peripheral Nerve
- Spine
- Trauma
- Tumor
- Vascular

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

## KEY DATES



### November 20, 2017

(11:59 pm Eastern Standard Time)

Abstract submission deadline.



### December 20, 2017

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



### January 8, 2018

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

## 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. The AANS designates this live activity for a maximum of 12.0 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 69th 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.

## LEARNING OBJECTIVES

- 1 Describe current best practices in treating functional neurosurgical conditions
- 2 Describe current best practices in treating brain tumors
- 3 Describe current best practices in spine surgery
- 4 Describe current best practices in vascular neurosurgery
- 5 Describe neurosurgical care in active military staff and veterans

# Program Schedule

## HIGHLIGHTS THIS YEAR

- 6 themed scientific sessions
- Over 20 honored guests and invited lecturers
- 60 oral abstracts with more rapid fire
- Discussion time after lectures and ample time with exhibitors
- Two concurrent non-CME workshops: spine and cranial

## Wednesday, February 28

1:00–5:00 PM	Meeting Registration
2:00–4:00 PM	Executive Committee Meeting

## Thursday, March 1

7:00 AM–1:00 PM	Meeting Registration
7:00–7:30 AM	Breakfast with Exhibitors

### SCIENTIFIC SESSION I—SPINE: PART 1

Moderators: M. Gary, MD & P. Grossi, MD

7:30–7:35 AM	Opening Remarks	<i>Eric Nottmeier, MD</i>
7:35–7:50 AM	Risk Stratification and Artificial Intelligence in Spinal Surgery: Dawn of a New Age	<i>Christopher Ames, MD</i>
7:50–8:05 AM	Options and Rationale for Radiation Reduction	<i>Robert Isaacs, MD</i>
8:05–8:15 AM	Discussion	
8:15–8:21 AM	Abstract—Award Winner #1	
8:21–9:10 AM	Abstracts and Discussion	
9:10–9:15 AM	Introduction to Ned Downing Lecture	
9:15–9:45 AM	<b>Ned Downing Lecture</b>	<i>TBD</i>
9:45–10:15 AM	Break with Exhibitors	

### SCIENTIFIC SESSION II—CRANIAL: TUMORS

Moderator: V. Agarwal, MD

10:15–10:30 AM	Brain Surgery: from Peru to Egypt and back to the Mayo Clinic	<i>Alfredo Quinones-Hinojosa, MD</i>
10:30–10:45 AM	CNS Tumor Immune Responses and their Influence on Immunotherapy Strategies	<i>Amy Heimberger, MD</i>
10:45–10:55 AM	Discussion	
10:55–11:01 AM	Abstract—Award Winner #2	
11:01–11:50 AM	Abstracts & Discussion	
11:50–11:55 AM	Introduction to Semmes Lecture	<i>Cory Adamson, MD, PhD</i>
11:55 AM–12:25 PM	<b>Semmes Lecture: The Odyssey</b>	<i>Allan H. Friedman, MD</i>
5:30–7:00 PM	Welcome Reception	

## Friday, March 2

7:00 AM–1:00 PM	Meeting Registration
7:00–7:30 AM	Breakfast with Exhibitors

### SCIENTIFIC SESSION III—SPINE: PART 2

Moderators: C. Holland, MD & I. Karikari, MD

7:30–7:35 AM	Opening Remarks	<i>Eric Nottmeier, MD</i>
7:35–7:50 AM	Lecture 1	<i>Mark Pichelmann, MD</i>
7:50–8:05 AM	The Pedicle Screw, the Good, The Bad, and the Ugly	<i>Volker Sonntag, MD</i>
8:05–8:15 AM	Discussion	

*Continued on next page*

## Friday, March 2 continued

8:15–8:21 AM	Abstract—Award Winner #3	
8:21–9:10 AM	Abstracts and Discussion	
9:10–9:15 AM	Introduction of the Presidential Address	
9:15–9:45 AM	<b>Presidential Address</b>	<i>Eric Nottmeier, MD</i>
9:45–10:15 AM	Break with Exhibitors	

### SCIENTIFIC SESSION IV—CRANIAL: VASCULAR

Moderator: J. Grossberg, MD

10:15–10:30 AM	Lecture 1	<i>Carlos David, MD</i>
10:30–10:45 AM	Lecture 2	<i>Ricardo Hanel, MD, PhD</i>
10:45–10:55 AM	Debate	
10:55–11:01 AM	Abstract—Award Winner #4	
11:01–11:41 AM	Abstracts and Discussion	
11:41–11:46 AM	Introduction of Hudson Lecture	
11:46 AM–12:16 PM	<b>Hudson Lecture—The British Empire: Ascent, Majesty, Retreat, and Legacy</b>	<i>Nelson M. O'yesiku, MD, PhD</i>
12:16–12:30 PM	Update on NREF	<i>Regis Haid, Jr., MD</i>
1:00–2:30 PM	<i>Concurrent Non-CME Workshops with Lunch: Spine &amp; Emerging Techniques in Cranial Surgery</i>	
6:00–9:30 PM	Family Night	

## Saturday, March 3

7:00 AM–1:00 PM	Meeting Registration	
7:00–7:30 AM	Breakfast with Exhibitors	

### SCIENTIFIC SESSION V—FUNCTIONAL/PEDIATRIC

Moderators: E. Thompson, MD & J. Willie, MD

7:30–7:35 AM	Opening Remarks	<i>Eric Nottmeier, MD</i>
7:35–7:50 AM	Adult Chiari Surgery: Principles and Avoiding Failure	<i>John Oro, MD</i>
7:50–8:05 AM	Lecture 2	<i>Nandan Lad, MD</i>
8:05–8:20 AM	Robotics in Spine Surgery	<i>Nick Theodore, MD</i>
8:20–8:30 AM	Discussion	
8:30–9:25 AM	Abstracts and Discussion	
9:25–9:30 AM	Introduction of Distinguished Practitioner	
9:30–10:00 AM	<b>Distinguished Practitioner Lecture—A Journey Through Time: 35 Years of Functional Neurosurgery</b>	<i>Robert E. Wharen, Jr., MD</i>
10:00–10:25 AM	Break with Exhibitors	

### SCIENTIFIC SESSION VI—TRAUMA/OTHER

Moderators: W. Gump, MD & C. Rongsheng, MD

10:25–10:40 AM	Military Neurosurgery—What Have We Learned After Almost 15 Years of War?	<i>Christopher Neal, MD</i>
10:40–10:55 AM	Military Neurosurgery—Providing Care After the Wars	<i>Cory Adamson, MD</i>
10:55–11:05 AM	Discussion	
11:05 AM–12:00 PM	Abstracts and Discussion	
12:00–12:15 PM	Washington Update	<i>Ann Stroink, MD</i>
12:15–12:25 PM	Business Meeting	
12:25–12:30 PM	Closing Remarks	<i>Reid Thompson, MD</i>
6:30–10:00 PM	Final Reception & Banquet	

\* Hours and program subject to change.

# Social Events



## WELCOME RECEPTION

**Thursday, March 1—5:30–7:00 pm**

**Exhibit Pavilion**

Greet friends, family, and colleagues as you enjoy live entertainment and tasty hors d'oeuvres in the Exhibits Pavilion with beach and ocean views at this year's Welcome Reception.

## FAMILY NIGHT

**Friday, March 2—6:00–9:30 pm**

**North Tower Beach**

Enjoy the ocean breezes and beautiful sunset views on the beach at Family Night. You'll enjoy a delicious dinner, a lively DJ, live animal interactions, a cigar rolling demonstration and sampling, and a variety of black light games that will be fun for all ages.



## FINAL BANQUET

**Saturday, March 3—6:30–10:00 pm**

**Royal and Coconut Ballroom**

*Black Tie Optional*

Please join us for a festive and elegant close to the 69th SNS Annual Meeting, including a cocktail reception, banquet, live music, and dancing. The final banquet is for attendees and their guests ages 18 and up.



### Event Attire

**Scientific Program:** Business Casual

**Welcome Reception:** Resort Casual

*We recommend bringing a light jacket or sweater.*

**Family Night:** Casual

*We recommend bringing a light jacket or sweater.*

**Final Banquet:** Black Tie Optional



# Registration



**REGISTER ONLINE AT**  
[www.regonline.com/sns2018](http://www.regonline.com/sns2018)  
Deadline: January 31, 2018

## 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.

SNS Member Neurosurgeon	\$600
Non-Member Neurosurgeon	\$725
Resident/Fellow	\$250
Nurse/PA/Allied Health	\$425

## Late Registration

Additional \$50 fee applies for registrations received after January 31st and on-site.

## Spouse/Guest Registration

Includes breakfast on program days, Welcome Reception and Family Night. Adult guest registration also includes the Final Banquet. Children under 18 are not permitted to attend the Final Banquet. Childcare arrangements for Saturday night will be available upon request.

Adult Guest	\$325
Child (Age 12-17)	\$125
Child (Under 12)	\$75

## Cancellation Policy

Cancellations received on or before January 31, 2018 will receive a full refund less a \$50 administrative fee. Cancellations received after January 31 will not be refunded. Send written cancellation request to Danielle DeLong at [ddelong@broad-water.com](mailto:ddelong@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  
301 S. County Farm Road, Suite L  
Wheaton, IL 60187  
T: (630) 681-1040  
F: (630) 682-5811  
E: [ddelong@broad-water.com](mailto:ddelong@broad-water.com)



# JW Marriott, Marco Island

**WELCOME TO PARADISE!** Along a three-mile pristine white sand beach on the sparkling blue waters of the Gulf of Mexico sits a sanctuary where guests can reconnect and revitalize. JW Marriott Marco Island just finished an 18-month complete renovation to add more luxury, amenities, creativity, and comfort to their extraordinary property.



**JW MARRIOTT MARCO ISLAND**  
400 South Collier Boulevard  
Marco Island, Florida 34145  
(239) 394-2511

## ON-SITE RECREATION



### Beach and Pool

In addition to the pure blue ocean waters of the Gulf of Mexico, the JW Marriott offers three separate pools for relaxation or play. Reserve a pool-side cabana or beach-side chickee hut for more privacy and concierge service.



### Spa

Spa by JW offers a full array of indulgences from body treatments to massages, skin care treatments, aromatherapy, and more—customized to your specific needs—in their newly renovated 24,000 square foot retreat.

### Tennis

Play at one of 3 Har-Tru Courts at Hammock Bay, accessible via the complimentary resort shuttle.

### Resort Shopping

Visit one of three on-site shops to upgrade your beachwear, find the perfect pair of shoes, or practice a little retail therapy.

### Fitness

You'll find state-of-the-art Technogym® weight resistance machines, cardio machines equipped with cable TV, elliptical trainers, bikes, step, treadmills, fit balls, medicine balls, benches, mats for stretching, and free weights—or head to morning Beach Yoga!

### Golf

The JW Marco Island offers two stunning, resort-private courses: The recently re-designed Rookery Course blends a challenging resort private course with serene, natural surroundings. Hammock Bay is a par 72 Championship course featuring oak-lined fairways and rolling terrain.



### Tiki Tribe

Tiki Tribe Discovery Day Camp offers a nurturing environment for kids to become wildlife explorers. Activity coordinators lead themed-lessons, crafts, sports, swimming, and games for guests ages 5–12 from 10 am–3 pm daily. They'll even get a special treat from Menchie's!

**For more information,** visit [www.jwmarco.com](http://www.jwmarco.com) or contact (800) 638-8410 or [Stella.Spera@Marriott.com](mailto:Stella.Spera@Marriott.com).

# Hotel Reservations

## JW MARRIOTT MARCO ISLAND

Guest rooms feature combined wood floors and carpeting, a serene tone on tone color palette, sophisticated design accents, glorious spa-style bathroom, and private balcony.

### SNS Group Rates



**Standard Guest Room**  
\$349\* per night



**Gulf View Room**  
\$449\* per night



**Gulf Front Room**  
\$449\* per night  
*contact reservations at the number below for availability*

\*plus tax and \$25 per night discounted daily resort fee, other fees may apply

### RESERVATION INSTRUCTIONS

Visit [southernneurosurgery.org](http://southernneurosurgery.org) or call **1-800-GET-HERE** and tell them you are with the SNS Meeting.

### Reserve Early!

**We encourage you to make your hotel reservations early, as our housing block typically fills before the deadline.** The Southern Neurosurgical Society has negotiated special rates at the JW Marriott for attendees of the meeting who make their reservation on or before January 24, 2018. Reservations after this date will be taken on a space-available basis only, at current prevailing rates.

### Extended Stays

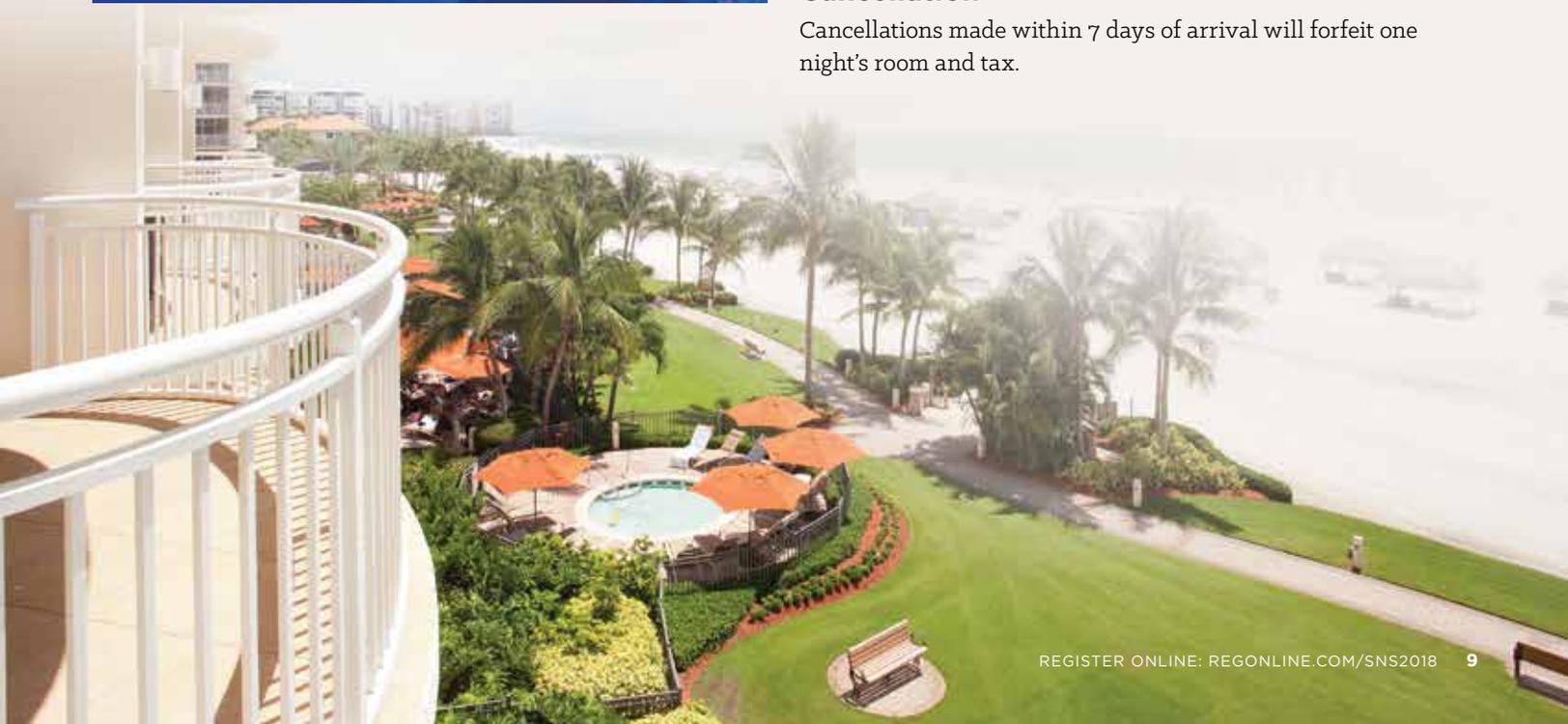
The SNS room block includes rooms on February 28–March 3. The group rate applies for three days before and three days after these peak nights, dependent on hotel availability. We recommend you book your extended stay as soon as possible to ensure availability.

### Resort Amenities

- In-Room Enhanced High Speed Internet Access
- Unlimited Domestic Local and Long-Distance Phone Calls
- 1 Hour Tennis Court Rental
- Access to Resort Golf Practice Facility Including Range Balls & Clubs (proper golf attire required)
- Complimentary Golf Course Shuttle
- 2 Spa Fitness Classes (must be 16 years or older, reservations required, call extension 2686)
- 1 Beach Umbrella Rental Daily
- 10% Discount on spa services
- 24-hour room service
- Evening turn-down service
- Newspaper delivery upon request

### Cancellation

Cancellations made within 7 days of arrival will forfeit one night's room and tax.



# Marco Island

Perched at the southernmost tip of Florida's west coast, Marco Island is a relaxing retreat of pristine beaches, great shelling, shopping, and dining. And no trip to Florida's Paradise Coast is complete without a visit to the unique wetland wilderness of the Everglades.

## Air Travel

Southwest Florida International Airport (RSW) is about 50 minutes to the north of Marco Island in Fort Myers.



## Ground Transportation

To arrange for private ground transportation to and from the JW Marriott, please visit Naples Transportation and Tours at <https://nttreservations.com/marcomarriott.php>. A private sedan for up to two passengers with baggage claim 'meet and greet' is \$117.80 including tax and gratuity. Larger vehicles are also available.

## Weather

Average weather in Marco Island in early March is mostly sunny, with average highs of 75°F and lows of 57°F.

## DINING AT THE JW MARRIOTT



### Ario

Ario's menu is designed for the discerning global nomad. Their chefs are focused on the unique techniques of dry aging meats, utilization of local seafood selections, and featured salts and spices from around the world. Dinner served daily.

### 400 Pazzi's

Enjoy brick-oven pizza, hearty Italian specialties, and family-style service with a view of the Gulf. Lunch and dinner are served daily.



### Maia

Simply crafted dishes feature an abundance of local and regional resources from South Florida and showcase the chefs' culinary passion and masterful techniques. Breakfast served daily.

### Quinn's

Caribbean-style seafood and steak specialties, spectacular sunsets over the Gulf, and a nightly live Fire Dancer show make for a dining experience not to be missed!

### Korals Sushi & Cocktail Lobby Bar

Enjoy the BEST sushi the ocean has to offer and other delectable small plates in an ambiance that is as stimulating as a big bite of wasabi! Open every evening.



### Kane

Celebrate where the sun meets the sand at this beachfront Tiki Bar with nightly entertainment, an extensive collection of rum cocktails and "mocktails", and shareable plates of Indonesian street food.

**Plus!** Café San Marco for a morning espresso and pastry or evening glass of wine, **Menchie's** gourmet frozen yogurt with endless topping combinations, and the **Rookery Grill** and **Hammock Bay Grill** for delectable dining before or after hitting the links!



# Off-site Recreation

## ADDITIONAL TOURS AND ACTIVITIES

*We are visiting Marco Island during peak season, and individual tours and activities may sell out well in advance of our meeting. We strongly encourage advance bookings of the tours and activities that most appeal to you and your family.*



### Water Sports

Life's better on the water—especially when you take it at your own pace! Thrill-seekers can soar while parasailing or speed on a Waverunner. Want to learn something new? Reserve a paddle board or Hobie sailboat lesson. Glide over the water on a kayak or Schiller water bike. After all the excitement, slow down in a water hammock, a beach-side chickee hut, or pool-side cabana.



### Marco Island Bike Tour

Take the scenic route around Marco Island, visiting local landmarks among rare tropical plants and protected wildlife on high-end comfort bikes.



### Everglades Tour

Board airboats for an exhilarating ride through the backwaters of the Gulf, including mangrove tunnels and old Indian trails. Then, enjoy a guided tour of Everglades City and learn about the history of the Seminole trading business in this quaint fishing village. Finally, visit Big Cypress National Park for a live alligator show as well as some of the largest crocodiles in captivity, lions, tigers, a bobcat, and a snake & reptile exhibit.



### Calusa Spirit Sightseeing Cruise

Bring the whole family for this unforgettable Dolphin Watch & Shelling Tour to a nearby uninhabited island. Enjoy views of the Gulf and watch playful dolphins in their natural habitat. Once on the Island, you can shell, explore, swim or just relax!

## SNS GOLF TOURNAMENT

**Thursday, March 1**

**1:00 pm**

Play your way through a course that both challenges and amazes. Revamped by acclaimed golf course designer Robert Cupp, Jr., The Rookery at Marco blends a resort private course with the stunning natural surroundings of Marco Island to create a golf experience that is entirely unique. The surrounding lakes and ponds are home to abundant wildlife, including bald eagles, alligators, blue herons and many other types of water birds. Playing here provides a unique opportunity to get up close and personal with nature.



Join fellow SNS golfers for friendly competition and prizes! Tournament registration includes transportation to the course, boxed lunch, green fees, shared cart, and prizes. Tournament pricing and registration information will be sent to registered meeting attendees in January.



**For additional options,** visit [www.jwmarco.com](http://www.jwmarco.com). For availability, rates, and reservations, contact (800) 638-8410 or [Stella.Spera@Marriott.com](mailto:Stella.Spera@Marriott.com).

**BROADWATER**.LLC

301 S. County Farm Road, Suite L  
Wheaton, IL 60187 USA

Presort Standard  
U.S. Postage  
**PAID**  
Carol Stream, IL  
Permit No. 475

69th  
**SOUTHERN  
NEUROSURGICAL  
SOCIETY**

ANNUAL MEETING

**Patient Care: In Pursuit of Excellence**

**FEBRUARY 28—MARCH 3, 2018**

JW Marriott | Marco Island, Florida

**PRELIMINARY PROGRAM**

**FEATURING:**

**Nelson M. O'yesiku, MD, PhD**  
as the Hudson Lecturer

**Allan H. Friedman, MD**  
as the Semmes Lecturer

**Robert E. Wharen, Jr., MD**  
as the Distinguished  
Practitioner

[www.southernneurosurgery.org](http://www.southernneurosurgery.org)



American  
Association of  
Neurological  
Surgeons

Jointly Provided by the AANS