70th **Southern** Neurosurgical **Society ANNUAL MEETING**













FEBRUARY 20-23, 2019 Ocean Reef Club **KEY LARGO, FLORIDA**

PRELIMINARY PROGRAM

Southern Leadership

FEATURING:

David Breashears as the Downing Lecturer

Jacques J. Morcos, MD as the Semmes Lecturer

Michael T. Lawton, MD as the Hudson Lecturer

W. Jerry Oakes, MD **Distinguished Practitioner**





ssociation of Neurological

Jointly Provided by the AANS





Dear Colleague:

TIME IS ETHEREAL. AND AS TIME PASSES IT TAKES ON AN INTERESTING QUALITY—it seems to accelerate. Time flies! I've been thinking about how important it is to make time to gather with friends, family, and colleagues. With this in mind, and with great excitement, I invite you and your family to attend the upcoming 70th meeting of the Southern Neurosurgical Society in wonderful Key Largo, Florida. One of the key elements of our meeting is that it provides a moment in time to reconnect and recharge. Time devoted to a scientific focus is balanced with time to reflect and relax.

The duel themes of our meeting are: Leadership and Mindfulness. With these themes in mind Albert Kim has put together a spectacular scientific program. Jacques Morcos and Michael Lawton—two of the most remarkable leaders in Neurosurgery will be giving the Semmes and Hudson lectures. David Breashears, one of the world's foremost mountaineers, and an avid photographer who led the IMAX expedition to the summit of Mount Everest, will be giving the Ned Dowling lecture. W. Jerry Oakes, MD will be honored as our Distinguished Practitioner. Our invited speakers will be focusing their talks on big ideas and innovation in Neurosurgery as we look towards the future.

We will gather in the extraordinary Ocean Reef Club resort in Key Largo Florida. Activities and adventures await including world-class golf, fishing, snorkeling, sailing, and kayaking. Don't miss our Mermaids & Pirates Themed Family Night on the Lagoon Beach, and the Interactive Cooking Class for spouses and guests. We always advise that you book your hotel rooms early, particularly if you plan an extended stay. Rooms may sell out well in advance of our meeting.

It has been so much fun and truly an incredible honor to serve as President of the Southern this year. I'll look forward to seeing you all and reconnecting with you this February in Key Largo.

Sincerely,

Reid C. Thompson, MD

William F. Meacham Professor and Chairman Department of Neurological Surgery Vanderbilt University Medical Center

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NOVEMBER 26

Submit Your Abstract by November 26, 2018 southernneurosurgery.org



Register by January 28, 2019 regonline.com/SNS2019

Abstracts

Attendees at the 70th 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, evidencebased approaches to neurosurgical practice, and basic science studies relevant to neurosurgery.



SUBMISSION DEADLINE:

November 26, 2018 12:00 pm Central Time

Abstract & Case Categories

Functional

• Spine

- Military, Veteran, or Global Neurosurgery
- Trauma

• Pediatric

- Tumor
- Vascular
- Peripheral Nerve

To submit your abstract and review submission guidelines, visit www.southernneurosurgery.org

Key Dates



Downing Lecture DAVID F. BREASHEARS



Filmmaker, adventurer, and mountaineer David Breashears has combined his skills to become one of the world's most revered adventure filmmakers, bestselling author, and coveted speaker lecturing on a range of topics including leadership, motivation, and teamwork.

Reaching the summit of Everest five times during his career, four-time Emmy Award winning Breashears has worked on more than 45 films, including Co-Director and Expedition Leader of the most highly acclaimed IMAX film of all time, Everest.

Breashears is a Senior Lecturer Faculty Member at MIT's Sloan School of Management's Leadership Center and a faculty member at the United States' Naval Postgraduate School's Center for Executive Education in Monterey, California.

He has published three best-selling books: *Everest:* Mountain Without Mercy, Last Climb, and his memoir High Exposure.

Breashears is founder and Executive Director of the non-profit organization, GlacierWorks, with a mission to globally inspire mitigation and adaptation through the power of his images documenting the gradual disruption of water flow from Asia's glacier systems.

Learning Objectives

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Upon completion of this educational activity, participants should be better able to:

- Describe current best practices in treating functional neurosurgical conditions
- Describe current best practices in treating 2 brain tumors
 - Describe current best practices in spine surgery

Describe current best practices in vascular neurosurgery

> REGISTER ONLINE: REGONLINE COM/SNS2019 3

Scientific Program

1:00-5:00 рм	Meeting Registration	
2:00-4:00 рм	Executive Committee Meeting	
Thursday, Febi	ruary 21	
6:00-6:30 ам	Optional: Morning Run	
7:00 ам-1:00 рм	Meeting Registration	
7:00-7:30 ам	Breakfast with Exhibitors	
SCIENTIFIC SESSI		
7:30-7:40 ам	Opening Remarks (with Pigeonhole Live Q & A)	Reid Thompson, MI
7:40-7:55 ам	LITT vs. Brain Path: Advantages of LITT	Eric Leuthardt, Ml
8:00-8:15 ам	LITT vs. Brain Path: Advantages of Brain Path	J.D. Day, MI
8:20-8:35 am	Precision Medicine in Neuro-Oncology	Priscilla Brastianos, MI
8:40-8:55 ам	Complications in Tumor Surgery	Harry van Loveren, Mi
9:00-9:15 ам	Diversity in Neurosurgical Training	John 'Jay' Wellons, III, MD, MSPI
9:20-9:35 ам	Adjacent Segment Disease and Proximal Junctional Kyphosis: Inevitable or Preventable	Scott Parker, Mi
9:40-10:10 ам	Break with Exhibitors	
SCIENTIFIC SESSI		
10:10-10:20 ам	Stretch Break	
10:20 ам-12:00 рм	Abstracts & Discussion (with Pigeonhole Live Q & A)	
12:00-12:05 рм	Introduction to Ned Downing Lecture	
12:05-12:35 рм	Ned Downing Lecture	David Breashear
1:00 рм	SNS Golf Tournament	
6:00-7:30 рм	Welcome Reception	Exhibit Ha
Friday, Februa	ry 22	
6:00-6:30 ам	Optional: Yoga on the Beach	
7:00 ам-1:00 рм	Meeting Registration	
7:00-7:30 ам	Breakfast with Exhibitors	
SCIENTIFIC SESSION		
7:30-7:40 ам	Opening Remarks (with Pigeonhole Live Q & A)	Albert Kim, Mi
7:40-7:55 ам	The Evolving Use of Navigation and Robotics in Spine Surgery	Michael Wang, Mi
8:00-8:15 am	MIS vs. Open for Deformity: Complications, Outcomes, Cost-Effectiveness?	Chris Shaffrey, M
8:20-8:35 ам	Cranial Dural AVFs	Greg Zipfel, Mi
8:40-8:55 am	Genetic and Epigenetic Causes of Intracranial Aneurysms	Dong Kim, Mi
9:00-9:15 ам	Frontiers in Functional Neurosurgery	Dario Englot, MD, Phi
9:20-9:25 ам	Introduction of Presidential Address	
9:25-9:55 ам	Presidential Address	Reid Thompson, Mi
9:55-10:25 ам	Break with Exhibitors	

Continued on next page

Friday, February 22 continued

10:25-10:35 ам	Meditation Break	
10:35 ам-12:05 рм	Abstracts & Discussion (with Pigeonhole Live Q & A)	
12:05-12:10 рм	Business Meeting	
12:10-12:15 рм	Introduction to the Semmes Lecture	
12:15-12:45 рм	Semmes Lecture	Jacques J. Morcos, M
1:00-2:50 рм	Innovative Technology in Neurosurgery Workshop with Lunch (non-CME; Residents and Fellows who attend receive \$75 registration rebate)	
6:00-10:00 рм	Family Night	Lagoon Beac
Saturday, Febr	uary 23	
6:00-6:30 ам	Optional: Morning Run	
7:00 ам-1:00 рм	Meeting Registration	
7:00-7:30 ам	Breakfast	
SCIENTIFIC SESSIO	DN V	
7:30-7:40 ам	Opening Remarks (with Pigeonhole Live Q & A)	Reid Thompson, MD
7:40-7:55 ам	The Utility of AI in Neurological Surgery	Omar Arnaout, MD
8:00-8:15 ам	Evolution of Chiari Decompression	David Limbrick, MD, PhD
8:20-8:35 ам	NREF	Jon Robertson, MD
8:40-8:55 ам	Working for You in Washington: Neurosurgery Making a Difference	Katie O. Orrico, JD
9:00-9:15 ам	Why Should I Care About Genetics in Medulloblastoma?	Eric Thompson, MD
9:20-9:25 ам	Introduction	
9:25-9:55 ам	Distinguished Practitioner Lecture	W. Jerry Oakes, MD
9:55-10:25 ам	Refreshment Break	
SCIENTIFIC SESSIO	νι	
10:25-10:35 ам	Stretch Break	
10:35-11:55 ам	Abstracts & Discussion (with Pigeonhole Live Q & A)	
11:55 ам-12:00 рм	Introduction to the Hudson Lecture	
12:00-12:30 рм	Hudson Lecture	Michael T. Lawton, MD
12:25-12:30 рм	Closing Remarks	Eric Sherburn, MD— Incoming SNS President
6:30-7:00 рм	Final Banquet Reception	
7:00-10:00 рм	Final Banquet	

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 **14.25 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

PIGEONHOLE LIVE Q & A

Use your smartphone to submit questions to speakers and moderators, and vote on questions to be answered. https://pigeonhole.at

INTENDED AUDIENCE

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

* Hours and program subject to change.

Registration



REGISTER ONLINE AT www.regonline.com/SNS2019 Deadline: January 28, 2019

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 28th and on-site.

SPOUSE/GUEST REGISTRATION

Includes Thursday, Friday, and Saturday breakfasts, the Welcome Reception, and Family Night. Adult guest registration also includes the Final Banquet. *Children under 18 are not permitted to attend the Final Banquet. Children ages 5–10 are invited to register for Reef Club Kids on Saturday evening.*

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

CANCELLATION POLICY

Cancellations received on or before January 28, 2019 will receive a full refund less a \$50 administrative fee. Cancellations received after January 28 will not be refunded. Send written cancellation request to Val Broyles at 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.

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 70th 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.

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: vbroyles@broad-water.com

Hotel Reservations

Ocean Reef Club | Key Largo, Florida

Over the past 60 years, Ocean Reef Club has grown to become a self-contained community dedicated to a sense of well-being and the enjoyment of friends and family. The 2500 tropical acres house a private marina, saltwater swimming lagoon, pools, nature center, spa, fire station, medical center, private airport, animal care center, cultural center, chapel, and more. The atmosphere of ORC is relaxed yet sophisticated. Get a taste of a unique way of life at Ocean Reef Club.



The Inn at Ocean Reef 201 Ocean Reef Drive Key Largo, FL 33037 (305) 367-5923

The accommodations at The Inn offer a sophisticated haven during your stay in Key Largo. Boasting ocean and tropical views, beautifully appointed beds and baths, and a location convenient to the many local activities, The Inn offers the privacy of a club with the services and amenities of a luxury hotel.



RESERVATION INSTRUCTIONS

Visit southernneurosurgery.org to book online

For extended stays or special requests, call (877) 282-9911 and tell them you are attending 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 Ocean Reef Club for attendees of the meeting who make their reservation on or before January 20, 2019. Reservations after this date will be taken on a space-available basis only, at current prevailing rates.

CLUB AMENITIES

- High-speed and wireless internet
- Daily access to business and fitness center
- Self or valet parking
- 24-hour on-demand shuttle transportation within Ocean Reef Club
- Daily newspaper delivery
- In-room coffee, tea, and bottled water
- Nightly turndown service
- Beach service including lounge chairs and umbrellas
- Unlimited local and domestic long-distance calls
- Service charge includes all staff gratuities
- Children under 18 stay free

CANCELLATION

Individual reservations cancelled thirty (30) days or less prior to arrival will be subject to a one night's room cancellation fee.

SNS GROUP RATES



Deluxe Inn Room \$389* per night



Premium One-bedroom Villa \$499* per night



Premium Two-bedroom Villa \$749* per night

*plus tax and \$25 per night discounted daily club/service fee for 1-bedroom accommodations and \$35 per night for 2+ bedroom accommodations

Social Events



Welcome Reception THURSDAY, FEBRUARY 21 | 6:00 PM-7:30 PM Exhibit Hall

The Welcome Reception is a great start to an evening at Ocean Reef. We'll enjoy delectable small plates, live entertainment, and festive drinks while greeting colleagues and friends.

Family Night

FRIDAY, FEBRUARY 22 6:00-10:00 PM

Lagoon Beach

Set your sail for our Mermaids & Pirates Family Night! Even land-lubbers are invited for a delicious seaside buffet, beach games, hermit crab races, a DJ playing "sea shanties," and visits from feathered friends.



Final Banquet

SATURDAY, FEBRUARY 23 | 6:30-10:00 PM Carysfort Ballroom

Black Tie Optional

You are cordially invited to an elegant and celebratory evening of fine dining, live music, and dancing. We'll also recognize the contributions of the SNS Executive Council. The Final Banquet is for attendees and guests ages 18 and up.

Event Attire

Scientific Program: Business Casual Welcome Reception & Family Night: Resort Casual Final Banquet: Black Tie Optional



SNS Golf Tournament THURSDAY, FEBRUARY 21 AT 1:00 PM Hammock Course—\$375 per player

The Hammock Course is partially situated in a wildlife sanctuary of mangrove and tropical hardwood hammocks and contains many rare and endangered species of plants for players to observe and enjoy. This ocean course is considered the more scenic of the Club's courses and is a true test of target golf. With fairways meandering through this natural hammock and with water hazards on fourteen of the eighteen holes, concentration becomes key to a good round. This par-71 course is 6,100 yards in length and offers a magnificent collection of memorable holes.

Tournament registration includes green fees, GPS-guided carts, boxed lunch, and prizes. Registration will open this winter.



NEW! Interactive Cooking Class for Spouses & Guests

FRIDAY, FEBRUARY 22 | 9:30 AM-12:00 PM Carysfort Kitchen—\$190 per participant

Whether it's from the land or from the sea, South Florida has an abundance of natural resources perfect for any culinary creation! Ocean Reef is partnering with local farms and fisheries to produce an authentic Florida Keys experience in the Carysfort Kitchen. Together with the Chef, you'll create (and eat!) a full menu of farm-to-table delicacies.

This activity is recommended for adults and their kids ages 12+. Registration will open this winter.

Destination Details

LOCATION

Ocean Reef Club is located at the northern tip of Key Largo and its 2500 lush tropical acres are bordered on three sides by water. Ocean Reef is approximately 50 miles south of Miami International Airport.



GROUND TRANSPORTATION

Private ground transportation and rental cars can be requested via Ocean Reef's website. Please access the link on www.southernneurosurgery.org.

PROPERTY ACCESSIBILITY

The meeting space, Lagoon Beach, Buccaneer Island, aquatic rentals, playgrounds, gift shop, and multiple dining options are a quick and easy walk from The Inn. Complimentary on-demand shuttle transportation is available throughout the Club and provides access to The Spa at Ocean Reef, Marina Village shops, golf, tennis courts, and many other amenities. Visit www.southernneurosurgery.org to view a complete Club map.

ROAD CARTS

Road carts are the preferred method of transportation for many Ocean Reef Club residents and guests. 4-to-6 passenger carts can be booked with your Inn reservation online or by contacting Cart Rental at (305) 367-6520 or cartrental@oceanreef.com. A fleet of bikes and four ElliptiGos are also available for rental.

WEATHER

Average weather in Key Largo in late February is mostly sunny, with average highs of 78°F and lows of 65°F.

OCEAN REEF DRESS CODE

The Dress Code has been a long standing and cherished tradition of the Members of Ocean Reef Club. It is not overly demanding and is based on good taste and respect for the Club and its Members. The Dress Code varies by activity and will be provided to all meeting attendees with registration confirmation.

SECURITY

Ocean Reef Club is one of the most secure communities in the country. The tranquil setting is greatly enhanced by the peace of mind their security systems allow. The Club is protected by controlled access through the front gate. Entry is strictly monitored, and only pre-registered guests will be admitted.



Recreation

THE POSSIBILITIES ARE LIMITLESS—Ocean Reef Club has it all for families, active travelers, eco-explorers, and sportsmen. Guests can consult the ORC app and receive a weekly guide to the services, dining, classes, and special events available on-site. Visit www.oceanreef.com now to help plan your activities.



BUCCANEER ISLAND

Just steps away from The Inn, Buccaneer Island is THE destination for fun in the sun—including the saltwater swimming lagoon with sandy beach, two pools with private cabana

rentals, and aquatic rentals. Lounge with a drink or head out to the ocean to sail, kayak, windsurf, paddleboard, and more.

REEF CLUB KIDS

Make friends at Ocean Reef! Kids ages 5-10 will go on adventures overseen by well-trained counselors. Activities include fishing, sailing, golf, tennis, games, and arts and crafts. Mom and Dad will enjoy extended hours on Friday and Saturday nights. Call (305) 367-5830 for details.



THE SPA

Escape to The Spa at Ocean Reef and relax in one of ten treatment rooms, the experience shower, dry sauna, mens' and ladies' steam rooms, relaxation lounge, or couples' suite.

Massages, health treatments, and full salon services are available in packages or a la carte.

GOLF

Ocean Reef boasts two 18-hole championship courses, a staff of PGA professionals, an Academy of Golf with demos, clinics, lessons, and digital coaching, full-service pro shop, and driving range.



TENNIS & GAMES

You'll never run out of games to explore with 12 tennis courts (four lit for evening play), a full-size grass croquet court, and six brand-new pickleball courts at your disposal.

Both novices and experienced players are welcome and lessons or assistance with matches are available.

SHOPPING

Fishing Village is a charming gathering spot with all the necessities and niceties for life on The Reef. ORC's Gift, Golf, and Tennis shops, Lilly Pulitzer, Vineyard Vines, lululemon, and the Reef Gallery are just a few of your options.

NATURE CENTER

Meet sea anemones, urchins, starfish, and other friends at the touch tank and visit with box turtles, a 75-lb. desert tortoise, and more. The Nature Center is also your starting point for Eco-tours, a Bird Scavenger Hunt, Airboat rides, and trips to the Everglades Alligator Farm.



ECO-KAYAK TOUR

The Nature Center's most popular program is a laid-back tour beginning on Buccaneer Island and exploring mangroves, bird rookeries, and the marvels of the sea floor. Advanced or

beginning tours, with an intro to kayaking, are offered. Children 4 and up are welcome and can paddle with a parent.

ECO-BICYCLE TOUR

Combine exercise with education as you explore the mangroves, lush vegetation, and hardwood hammock of Ocean Reef.



SNORKELING & SCUBA DIVING

Explore the only living coral reef in the continental US with Cristal Clear Charters via a dive or snorkel trip. A one-day "Resort" SCUBA experience

is also available for the uninitiated. Visit **www.cristalclearorc.com** for more information.

FISHING & CHARTERS

Whether you go for the excitement of deep-sea sport fishing, reef fishing, bonefishing or back country, you and your guests will enjoy the experience of a lifetime. Half and full-day charters are available for groups of 2 or more, or you can rent your own boat for a self-guided adventure. Visit **www.oceanreef.com/marina** for details.

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EXPLORE FURTHER

For assistance with booking activities, call (800) 319-7686.

 "This Week at the Reef". A Weekly Guide to Recreation, Entertainment & Dining at Ocean Reef Club provided to each guest

Dining at Ocean Reef Club







THE OCEAN ROOM Breakfast

The Club's legendary breakfast is a delicious way to start your day—choose a country favorite (chicken and waffles!) or try something different, like a bokumbap skillet with kimchee fried rice or a blueberry acai bowl.

PALM COURT Lunch

Relax under the palms, watch the yachts entering port, and enjoy native fish sandwiches, sushi rolls, and refreshing salads—plus the signature key lime mojito.



RAW BAR Lunch & Dinner

Located in Fishing Village, this is the perfect atmosphere to savor the bounty of the sea. Fresh oysters, stone crabs, shrimp, and local fish, plus the popular Maine Lobster Bake. Grilled sandwiches, burgers, and salads round out the menu.

GIANNI RISTORANTE Dinner

Reservations Required

Crowd-pleasers like Pollo alla Parmigiana share the spotlight with pecan-crusted grouper, oxtail cannelloni, and quattro carni wood-fired pizza—all enjoyed with a panoramic view above the Marina.

ISLANDER & PELICAN BAR Dinner

Reservations Required

Sushi and sashimi made to order, fresh catches straight from the boats of local fisherman, small plates and Chef Eric's specials, or steaks and chops for heartier appetites—all fresh and flavorful with a Key Largo spin.

BURGEE BAR Dinner

An American classic—stop by the lounge for the extensive drink menu, flat screens, or sand shuffleboard. Stay for the eclectic dinner selection loaded chorizo fries, truffle & mushroom flatbread, a bison burger, or fish & chips.

19TH HOLE Lunch, Dinner, & Sunday Brunch

Enjoy perennial clubhouse favorites and a Junior Golfers menu with a lakeside view of the Dolphin Course.

PLUS—Healthy favorites and super smoothies at the Fitness Café; takeout or dine-in subs, calzones, and pizzas at Reef Hut; breakfast sandwiches, espresso favorites, and soda from the fountain at Reef Treats; a full menu of lunch and snacks without leaving Buccaneer Island at Beach Grill; and catch the Flying Burgee Food Truck for a lobster roll, hot dog, or beignets!





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PRELIMINARY PROGRAM

70th

Southern Neurosurgical Society

ANNUAL MEETING









FEBRUARY 20-23, 2019 Ocean Reef Club KEY LARGO, FLORIDA

Southern Leadership

FEATURING:

David Breashears as the Downing Lecturer

Jacques J. Morcos, MD as the Semmes Lecturer

Michael T. Lawton, MD as the Hudson Lecturer

W. Jerry Oakes, MD Distinguished Practitioner



