

# Southeastern Neuroradiological Society



## *42nd Annual Meeting*

October 18-20, 2018

Eau Palm Beach  
Palm Beach, FL



For further information  
please contact Francine Hollowell  
at [fhollow@emory.edu](mailto:fhollow@emory.edu) or (678) 471-3692

# SOUTHEASTERN NEURORADIOLOGICAL SOCIETY 42nd Annual Meeting

October 18-20, 2018  
Eau Palm Beach Resort & Spa  
Manalapan, Florida

The goals of this meeting are to facilitate the exchange of ideas, concepts, and new updates in the field of Neuroradiology. At the conclusion of this meeting, participants will be able to assess the latest developments in interventional neuroradiology, diagnostic imaging of the spine, brain, head and neck and peripheral nervous system in both children and adults.

## Accreditation Satisfactory Completion

Learners 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. 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.



Daniel F. Broderick, M.D.  
2018 President, SENRS

## Physicians

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and the Southeastern Neuroradiological Society. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



## Credit Designation Statement

Amedco LLC designates this live activity for a maximum of 14 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Letter from the Program Chair

Dear Colleagues,

On behalf of the SENRS, I am very pleased to extend an invitation to the 42nd Annual Meeting of the Southeastern Neuroradiological Society (SENRS). This year the meeting will take place at Eau Palm Beach, Manalapan, Florida, October 18-20, 2018.

The hotel is right on the beach and offers excellent swimming, fitness, food and relaxation.

This year's educational program, as always, is diverse, timely, and interesting, and includes time for questions and discussion. Aspects of pediatric and adult neuroradiology will be addressed, and we are bringing in internationally renowned speakers to talk about practice management. We will have a full complement of SAM sessions to keep you up-to-date. This year's meeting will feature poster displays, scientific, and educational exhibits. Please consider submitting a scientific presentation or a poster, or soliciting the same from your colleagues, residents, or fellows.

The Keynote Speaker for this year's meeting will be Dr. Erik Middlebrooks, from Mayo Jacksonville. A brilliant researcher and innovator, he will give an insightful lecture on Deep Brain Stimulators.

The *Stump the SENRS Stars* challenge will return for its 17th edition. Teams composed of all the attendees of the conference will compete for the coveted *Caput Astrum* award. This session is always fun and a highlight of the meeting.

The social program will include dinners on Thursday and Friday night, where we can make new friends and catch up with old ones.

Please join us for a great conference and treat yourself and your family at a beautiful oceanfront resort. We look forward to your attendance and participation!

Jeffrey A Bennett, M.D.  
Vice President/Program Chair



Jeffrey Bennett, M.D.  
Vice President/Program Chair

# SENRS 2018 Program

(subject to change)

## Thursday, October 18, 2018

11:30-12:30 Executive Committee Meeting

**SCIENTIFIC SESSION 1**  
**Pediatrics**  
**Salon 1**

12:40-12:45 Welcome

**12:45-2:30 SAM 1: 1.75 hours**  
Pediatric Neuroimaging

12:45-1:10 Brain Anomalies (SAM)

**Dhana Rajderkar, M.D.**

1:10-1:35 Ependymoma (SAM)

**Noah Sabin, M.D.**

1:35-2:00 Pediatric Brain Tumor Genetics  
Update (SAM)

**Jeffrey Bennett, M.D.**

2:00-2:30 Chiari 1 Malformations: To Operate  
or Not to Operate, That Is the  
Question (SAM)

**Linda Leithe, M.D.**

2:30-2:40 Q & A

**2:40-3:10 BREAK – Plaza Ballroom**

**SCIENTIFIC SESSION 2**  
**Head and Neck**  
**Salon 1**

**3:10-5:10 SAM 2: 2 hours 15 minutes**  
Head and Neck

3:10-3:35 Dual Energy CT in Neuroradiology –  
Existing and Emerging Applications  
(SAM)

**Sugoto Mukherjee, M.D.**

3:35-4:00 Ocular Anatomy and Pathology  
(SAM)

**Evelyn Sklar, M.D.**

4:00-4:25 Dual Source CT in the Setting of  
Head and Neck Cancer (SAM)

**John Murray, M.D.**

4:25-4:50 Orphan Lesions of the Head and  
Neck: Uncommon Non-Thyroid  
Masses (SAM)

**Courtney Tomblinson, M.D.**

4:50-5:15 Preoperative Sinonasal CT (SAM)

**Richard Beegle, M.D.**

5:15-5:35 Perineural Tumor Spread (SAM)

**Chad Cox, M.D.**

5:35-5:40 Q & A

**5:40-6:40 17th Annual Stump the SENRS Stars**  
**Steve Messina, M.D.**

**7:00-10:00 Welcome Reception/Dinner**  
**Courtyard Pool**

## Friday, October 19, 2018

7:00-8:00 Breakfast – Plaza Ballroom

8:00-8:05 Announcements

**SCIENTIFIC SESSION 3**  
**Interventional/ Stroke/  
Procedure-related imaging**  
**Salon 1**

**8:05-9:05 SAM3: 1 hour**  
Stroke

8:05-8:30 Acute Stroke Therapy in the Age of  
DAWN and DEFUSE (SAM)

**David Miller, M.D.**

8:30-9:05 Perineural Tumor Spread  
Involvement of Uncommon Nerves  
(SAM)

**Ilona Schmalfluss, M.D.**

**Fri., Oct. 19, 2018**

Scientific Session 3 continued

- 9:05-9:20 Laser Interstitial Thermal Therapy in the Treatment of Extra-Axial Masses: Imaging Signs of Success vs. Failure  
**Armando Ruiz, M.D.**
- 9:20-9:50 Aneurysm Treatment With the Atlas Stent  
**David Loy, M.D.**
- 9:50-10:15 **BREAK – Plaza Ballroom**
- 10:15-10:45 Aneurysm Treatment With LVIS and LVIS Jr.  
**John Gaughen, Jr, M.D.**
- 10:45-11:15 Ethical Considerations Related to Selection of Elvo Patients  
**John Gaughen, Jr, M.D.**
- 11:15-11:45 Treatment of Bifurcation Aneurysms.  
**Mary E. “Lee” Jensen, M.D.**
- 11:45-12:25 **Keynote Speaker**  
Advances in Pre-Operative Targeting for Deep Brain Stimulators  
**Erik Middlebrooks, M.D.**

**SCIENTIFIC SESSION 4**  
**Technology, Psychology, Spine**  
**Salon 1**

- 12:25-12:45 Persuasion  
**William K. Erly, M.D., MBA**
- 12:45-1:10 Disruptive Technologies – How Radiology Can Overcome the Challenge  
**Frank Lexa, M.D., MBA, FACR**
- 1:10-1:30 Spine Infections  
**Jake Davenport, M.D.**
- 1:30-1:35 Q&A

- 7:00-10:00 Reception – Ocean Ballroom Terrace  
Dinner – Ocean Ballroom & Terrace

**Saturday, October 20, 2018**

- 8:00-8:50 Breakfast – Plaza Ballroom
- 8:50-9:00 Announcements

**SCIENTIFIC SESSION 5**  
**ENT & BRAIN**  
**Salon 1**

**9:00-11:00 SAM 4:**  
**Head and Neck/Brain (2 hours)**

- 9:00-9:35 Pial-Meningeal Anastomoses and How They Operate in Intracranial Cortical Venous Thrombosis (SAM)  
**Ronald Quisling, M.D.**
- 9:35-10:00 Update on Brain Tumor Classification (SAM)  
**Tara Massini, M.D.**
- 10:00-10:25 PET-MR and Epilepsy (SAM)  
**Steve Messina, M.D.**
- 10:25-11:00 Atypical CNS Infections: Look What the Boeing Brought In (SAM)  
**C. Douglas Phillips, M.D.**
- 11:00-11:25 BREAK – Plaza Ballroom

**SCIENTIFIC SESSION 6**  
**Spine, Brain, Orbit**  
**Salon 1**

- 11:25-11:50 Challenging Cases of CNS Infection  
**M. Judith Donovan Post, M.D., FACR**
- 11:50-12:10 Orbital Masses in Children  
**Gaurav Saigal, M.D.**



**Sat., Oct. 20, 2018**  
Scientific Session 6, continued

- 12:10-12:35 Management of Incidentalomas seen on Spine Imaging  
**Ryan Murtagh, M.D.**
- 12:35-12:55 Neuroimaging of Obesity  
**Amit Saindane, M.D.**
- 12:55-1:20 Update on Malignant Sinonasal Tumors: New Diagnoses and Imaging Techniques  
**Deborah Shatzkes, M.D.**
- 1:20--1:25 Q & A
- 1:25-1:30 Closing Remarks



# General Meeting Information

## EAU PALM BEACH RESORT & SPA, MANALAPAN, FLORIDA

### HOTEL INFORMATION

Pronounced “O” and the French word for water. Eau Palm Beach Resort & Spa is a Forbes Five-Star and AAA Five Diamond intimate ocean retreat located on seven acres of Florida’s renowned Palm Beach Island.



### EAU FACTS/LOCATION

Located at the southern tip of Palm Beach Island in the elegant enclave of Manalapan, Florida, the resort is a short drive from the glamour of Palm Beach’s Worth Avenue featuring world-renowned boutiques and cultural venues, and is conveniently located near the quaint city of Delray Beach, where exciting nightlife and entertainment options are endless.

The following are different options for getting to the Eau Palm Beach:

- Palm Beach International Airport (PBI) - 8 miles – 15 minutes
- Ft. Lauderdale International Airport (FLL) - 40 miles
- Miami International Airport (MIA) - 65 miles

### RESORT AMENITIES

- Champagne at check-in
- Two outdoor oceanfront swimming pools including a resort and adult tranquility pool
- Complimentary Wi-Fi
- Complimentary in-room Keurig® coffee and tea
- Complimentary beach bag
- 24-hour Business Center access
- Complimentary beach cruiser bicycles
- Complimentary daily PressReader subscription
- No resort fee



### EAU SPA

At 42,000 square feet, the spa is complete with 19 treatment rooms including private garden villas, scrub and polish bars, a hair and nail salon, fitness center and movement studio, and BEAUtique. Guests can choose from a collection of spa experiences, including a variety of indulgent massages, facials and pedicures. Pause, play and perfect with flutes of champagne, cupcakes and time at the Wishing Well. Unwind among hanging chairs, dipping pools, and cabanas in the Self-Centered Garden.

## NEARBY NEIGHBORHOODS

While visiting The Palm Beaches, be sure to explore the exciting nearby neighborhoods of Delray Beach and Worth Avenue. Located 12 miles nearby neighborhoods of Delray Beach and Worth Avenue. Located 12 miles south of the hotel and also known as the “Village by the Sea,” Delray Beach is famous for its unique galleries, sidewalk cafes, and boutiques by day. In the evening, enjoy an array of nightlife, live music and dining options along Atlantic Avenue. Worth Avenue, often referred to as a shopper’s paradise, is located just eight miles north of the resort. Comprised of 200 exclusive shops, gourmet restaurants, and art galleries spanning four blocks, it is Palm Beach’s version of Rodeo Drive

## WORLD-CLASS GOLF

For those seeking variety and challenge amidst world-famous courses, Palm Beach has your game. With the destination’s subtropical climate, you can enjoy the pleasure of golfing year-round. Our concierge has relationships with the best courses in the area and can plan a spectacular outing on South Florida’s most coveted greens.



### **Palm Beach Par-3 Golf Course**

2345 South Ocean Blvd., Palm Beach, FL 33480 (561) 547-0598, [www.golfontheocean.com](http://www.golfontheocean.com)  
3.5 miles/7 minutes from Eau Palm Beach Resort & Spa. Rates range for the season \$68-94 per player. (9 hole option also available) Cart and club rentals also available. Direct billing with Eau Palm Beach available.

### **Atlantis Country Club**

190 Atlantis Blvd., Atlantis, FL 33462 561-968-1300, [www.atlantiscountryclub.com](http://www.atlantiscountryclub.com)  
5 miles /13 minutes from Eau Palm Beach Resort & Spa. Rates range for the season \$45-69 per player. Cart and Club rentals also available. Direct billing with Eau Palm Beach available.

### **Falls Golf & Country Club**

6455 Jog Road, Lake Worth, FL 33467 561-964-5700, <http://www.thefallsclub.com> 8 Miles/19 minutes from Eau Palm Beach Resort & Spa. Rates range for the season \$45-69 per player. Cart and club rentals also available. Direct billing with Eau Palm Beach available

### **Bear Lakes Country Club**

(CLUBHOUSE CLOSED FOR RENOVATION APRIL - NOV 2018) 1901 Village Blvd., West Palm Beach, FL. 33409 561-478-0001, <http://www.bearlakes.org/> Golf Pro: Toby Hill, [Tobyhill@bearlakes.org](mailto:Tobyhill@bearlakes.org)  
14 miles/20 minutes from Eau Palm Beach. The two Bear Lakes golf courses offer a uniquely enjoyable experience with the combination of traditional South Florida Golf and rolling greens of Scotland. The Links Course: \$175-225 per player The Lakes Course: \$205-255 per player Cart rental included in rates. Club rental \$80. Direct billing with Eau Palm Beach available.



## The Boca Hotel Resort and Spa Resort – Resort Course & Country Club Course

501 East Camino Real, Boca Raton, FL 33432 561.447.3078, <http://www.bocaresort.com/Things-to-do/Golf/Course-Info>. 25 minutes from Eau Palm Beach Resort & Spa. Practice facilities. Resort Course: \$195 per player (rates include cart) ~ Country Club Course: \$155 per player



## The Breakers Reese Jones

(Closed Mondays) 1550 Flagler Pkwy, West Palm Beach, FL 33411 561-653-6320, <http://www.thebreakers.com/golf/reesjones/> Golf Pro: Dan St. Louis, [Dan.stlouis@thebreakers.com](mailto:Dan.stlouis@thebreakers.com) 30 minutes from Eau Palm Beach Resort & Spa Rates range for the Season and Off Season. Green fees 18 holes \$235 per player. Green fees 9 holes \$190 per player. Club rentals \$95

## PGA National Resort and Spa

1000 Ave of Champions, Palm Beach Gardens, FL 33418 561-627-1804, [http://www.pgaresort.com/yourplay\\_course.aspx](http://www.pgaresort.com/yourplay_course.aspx) Golf Pro: David Lederkramer, [David.lederkramer@pgaresort.com](mailto:David.lederkramer@pgaresort.com) 30 minutes from Eau Palm Beach Resort & Spa. Rates range depending on Course and season. Club rental \$85 Champions Course \$280 ~ Palmer, Fazio, Estates, Esquire Courses \$209

## Wellington National Golf Club

400 Brinks Forest Drive, Wellington, FL 33414 561-644-9994, <http://www.wellingtonnationalgolf.com> Golf Pro: Ted Strelec, [ted@wellingtonnationalgolf.com](mailto:ted@wellingtonnationalgolf.com) 35 minutes from Eau Palm Beach Resort & Spa. Rates range depending on season. Nov. – March \$125; April & Oct. \$100; May – Sept. \$75

All pricing is subject to updates and changes on behalf of the individual courses. Please confirm all pricing with your select course directly.



## OUTDOOR ACTIVITIES

Outdoor activities include stand-up paddle boarding, snorkeling and body boards. Motorized water sports are available with advanced notice.



Incorporate wellness and mind-body activities into your day with personal training, sunrise yoga and social-based fitness classes at Eau Spa, complete with a spinning studio with RealRyder® bikes, Pilates and yoga studio. Those who enjoy tennis can practice their backhand with our on-site tennis pro on one of three Har-tru clay courts.

Deep sea fishing; parasailing; Sawgrass Recreational Park which has airboat rides, replicas of an 18th century Seminole Indian Village, Alligator and Reptile Exhibit, Birds of Prey Exhibit. Guides are available for bus trip.



## KIDS

Everyone's a VIP at Eau Palm Beach, especially the kids.

**Aquanuts**, the resort's club designed for ages 5–12, is a world of creativity and imagination. Dress up as your favorite fairytale princess or climb the rock walls of the underwater cave. Throughout the year, kids enjoy special seasonal events including spooky Halloween spa tours, Christmas cookie baking classes, Alice in Wonderland tea parties and much more.

**Coast**, available for ages 13–17, is a private lounge for teens to hang out. It has the latest video games, a DJ booth, beauty salon, internet café, games, a dance floor and most importantly, space when they need to just getaway.

And with our Kids Rock Star package meal program, parents needn't worry about finding items for their children to eat, we've created special menus that are kid-tested and mother approved for their taste buds. The daily special package includes unlimited soft drinks and juice in their very own customizable cup, along with menu selections at Temple Orange Mediterranean Bistro and Breeze Ocean Kitchen.



## DINING AT EAU PALM BEACH RESORT & SPA

**Angle** - A culinary experience for the senses, Angle showcases contemporary cuisine and farm-to-table seasonal offerings. The warm and inviting space has a sleek and urbane décor with glowing candlelight, reflective mirrors, and an underlit onyx and amber Chef's Table offering a true foodie indulgence in the center of the dining room. The Angle ambiance is rivaled only by its culinary team and our in-house sommelier.



**Temple Orange Mediterranean Bistro** - Innovative Mediterranean-inspired cuisine best describes this sumptuous fare. Seafood takes center stage, but you can also expect choice cuts of beef and, of course, seasonal specialties showcasing local produce. Serving a signature Mediterranean breakfast buffet, plus lunch, dinner, and Veuve Rich Sunday brunch.

**Breeze Ocean Kitchen** - The resort's newest oceanfront dining venue offering true Floridian cuisine, vintage cocktails and local craft beers. A focus on Floridian flavors is brought to life with spices, styles and preparations that infuse hints of the Caribbean, Latin America and Asia throughout. A daily happy hour with oyster and champagne specials, as well as seasonal culinary events are not to be missed

**Stir Bar & Terrace** - The perfect place to start or end your evening, Stir features a mixology-inspired cocktail menu and light food offerings, located just off the elegant resort lobby. In the evening, the lobby is "turned down" and as the lights dim, Stir comes alive as guests toast to the new Palm Beach lifestyle. The social experience extends to the oceanfront terrace, where guests can enjoy their favorite libation and share seaside stories around a mesmerizing fire pit



## MUSEUMS

Henry Morrison Flagler Museum; The Norton Museum of Art, Society of the Four Arts, The Morikami Museum and Japanese Garden, Classic Antique Cars

## TOURS

Segway Island Tours, Helicopter Tours, Everglades Airboat Tours, Historic Tours of Palm Beach

## SHOPPING

Worth Avenue, City Place, The Gardens of the Palm Beaches, The Mall at Wellington Green





Southeastern Neuroradiological Society  
42nd Annual Meeting  
October 18-20, 2018

Eau Palm Beach Resort & Spa  
Manalapan, FL

## Annual Meeting Registration Form

(Please print legibly or type)

Name \_\_\_\_\_ Nickname (for badge) \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

### REGISTRATION FEES

Please indicate appropriate meeting registration fee below (U.S. Funds only). **YOU MAY NOW PAY YOUR REGISTRATION FEE(s) ONLINE at <http://senrs.net/payonline>.** Please e-mail registration form to [fhollow@emory.edu](mailto:fhollow@emory.edu).

\_\_\_\_ SENRS Member \$250 \_\_\_\_ (Spouse \$200) \_\_\_\_ Non-member \$375 \_\_\_\_ (Spouse \$200)

\_\_\_\_ Fellow/Trainee \$250 \_\_\_\_ (Spouse \$200) \_\_\_\_ Vendor N/C \_\_\_\_ (Spouse \$200)

### Spouse/Guest Information

Name of Spouse/Guest(s) Attending, (if applicable) \_\_\_\_\_

### I will attend:

\_\_\_\_ Thursday Welcome Reception (# adults attending \_\_\_\_ ; #children attending \_\_\_\_ age(s) \_\_\_\_\_

\_\_\_\_ Friday Dinner (# attending \_\_\_\_; #children attending \_\_\_\_ age(s) \_\_\_\_\_

\_\_\_\_ Friday Business Breakfast Meeting (members only)

Dietary Restrictions: \_\_\_\_\_

\*Please note: The SENRS has to pay for members and/or vendors indicating that they will be at the evening functions, and either not showing, or canceling less than 3 days prior to the event. All catering services have a 3-day cancellation policy or the group will be billed. Therefore, if you indicate that you will be at the evening functions, and do not adhere to the 3-day cancellation policy you will be assessed the amount of the dinners.

Please e-mail your completed registration form to: [fhollow@emory.edu](mailto:fhollow@emory.edu)  
For any questions, please e-mail or call Francine at 678-471-3692



**EAU PALM BEACH**  
Resort & Spa

### ROOM RESERVATION FORM

Group Name: \_\_\_\_\_

Guest room rate of \$199.00 per night, plus 13% occupancy tax, one (1) night deposit at the time of booking with three days cancellation policy.

Guest Name: \_\_\_\_\_

Arrival Date: \_\_\_\_\_ Departure Date: \_\_\_\_\_

Estimated Time of Arrival: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Telephone Number: (     ) \_\_\_\_\_

Credit Card Type: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Credit Card Number: \_\_\_\_\_

Signature: \_\_\_\_\_

(Reservation not valid without signature)

Will you be bringing any children? Yes  No

If yes, Name(s)/Age(s) \_\_\_\_\_

#### SPECIAL REQUESTS:

Other: \_\_\_\_\_

(i.e. foam pillows, crib etc.)

- Check-in time is 4pm, and check out time is 12pm.
- Written confirmation of your reservation will be sent to the requested email address above.
- Cancellation must be received 3 days prior to arrival date, in order to avoid one (1) night's room and tax cancellation fee of one (1) night's room rate.

Kindly fax 561-588-4202 or email [Melissa.Menzon@eupalmbeach.com](mailto:Melissa.Menzon@eupalmbeach.com) to confirm your reservation.

If you wish to make reservations prior to or after the dates listed please contact the Reservations Team directly at 1(855)388-0537, and they will be delighted to assist based on availability:

If you would like to make your reservations online, below is the link that you will need to use:  
<https://gc.synxis.com/rez.aspx?Hotel=59968&Chain=10237&template=rPBIEP&shell=rP-BIEP&arrive=10/17/2018&depart=10/21/2018&adult=2&child=0&group=SEN1017>



# Upcoming Meetings

October 17-19, 2019

Villas of the Grand Cypress  
Orlando, FL



October 22-24, 2020

The Greenbrier  
White Sulphur Springs, WV

October 21-23, 2021

The Henderson  
Destin, FL

