

46th Annual Meeting Southeastern Neuroradiological Society

October 20-22, 2022
The Greenbrier Resort
White Sulphur Springs
West Virginia



Welcome from the Program Chair



Joseph Sullivan, III M.D.
2022 SENRS President



Ryan Murtagh, MD, MBA
Vice President/Program Chair

Dear colleagues,

Welcome!!

As chair for the 2022 Annual Meeting of the Southeastern Neuroradiological Society I would like to pause for a moment and briefly reflect on the last two years. Each and every one of us faced unprecedented challenges during the pandemic - in our personal lives, as professionals and in nearly every facet of our normal daily lives. From the society's standpoint we were faced with obstacles none of us had previously encountered. I would therefore like to formally recognize Amit Saindane, 2020 meeting chair, and Joe Sullivan, 2021 meeting chair, for the dedication, ingenuity and hard work that it took to pull off successful meetings despite these novel challenges.

With that in mind, it is my great pleasure to welcome you, again live and in person, to the Annual Meeting of the SENRS, to be held this year at the storied Greenbrier Resort in White Sulphur Springs, WV on October 20-22, 2022.

The SENRS meeting is one that many of us "regulars" look forward to many months in advance. For those of you that are new or considering attending this year, the annual meeting is a friendly, collegial and educational event held in one of the 12 southeastern states that collectively form the SENRS boundaries. This year's meeting will offer a total of 14 CME credits on a broad range of interesting and clinically-relevant topics including vascular, head and neck, pediatric, spine and brain neuroradiology. Speakers include both academic and private practice radiologists with a wide range of expertise in neuroradiology.

This year's keynote speaker is Meng Law, MBBS, Director of Radiology at Monarsh University in Melbourne, Australia. Dr. Law is a world renowned neuroradiologist and researcher and the former president of both the American Society of Spine Radiology (ASSR) and American Society of Functional Neuroradiology (ASFNR).

Additional highlights include the return of the ever-popular "Stump the Stars", an annual favorite among attendees. Teams composed of conference attendees will compete for the "Caput Astrum" award and a whole host of bragging rights that come with winning the event. Thursday and Friday evening dinners provide an opportunity to network, catch up with old friends and make new acquaintances.

The Greenbrier Resort, "America's Resort since 1778", sits on 11,000 acres of land with 710 guest rooms. The resort boasts more than 55 indoor and outdoor activities and sports, including bowling, an adventure ropes course, fishing, sporting clays and others. For golfers the resort offers 4 world-class golf courses, including the signature Greenbrier course, formerly host to both the Ryder and Solheim Cups. Night life includes a wide collection of dining, from casual to elegant, late night lounges and the famous Greenbrier Casino Club (gentleman - bring your sport coats!).

I look forward to seeing you at the Greenbrier in October!

Ryan Murtagh, MD, MBA
Vice President/Program Chair

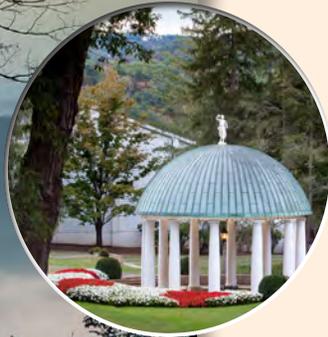
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The Greenbrier Resort

The resort is a 90 minute drive from the Roanoke airport (ROA) in Roanoke, Virginia or 15 minutes from the Greenbrier Valley airport (LWB) in Lewisburg, West Virginia.

The Greenbrier Resort winds through the manicured grounds of one of the finest resorts in the world, alongside legendary fairways of four championship golf courses, surrounded by amazing views of the Allegheny Mountains. Amidst the expansive, manicured landscape of The Greenbrier stands the Springhouse, an enduring trademark of the resort's iconic image. Under the dome of this structure flows the White Sulphur Spring; the mineral water responsible for the origin of this premier resort. The history is incredibly fascinating for those of you interested. The Greenbrier was the former U.S. Government Relocation Facility which was a top secret of the Cold War designed to accommodate both the U.S. Senate and House of Representatives in the event of a national emergency.



Golf

There are three championship courses and The Greenbrier Golf Academy. Test your skills on The Old White TPC, site of The Greenbrier Classic, a PGA Tour. Or try The Greenbrier Course, site of the 1979 International Ryder Cup Matches and 1994 Solheim Cup Matches. The Meadows Course, which challenges golfers of all skill levels, offers some of the most scenic views on the property. Call 855-453-4858.

Outdoor/Indoor Activities

Some of the recreational activities that The Greenbrier offers: Adventure Zone children's programs, Art Colony Shops, Alpine Climbing Tower, archery, billiards, board games, bowling, bunker tours, carriage rides, casino club, croquet, falconry, fishing, fitness center, golf, golf academy, group cooking classes, hiking trails, horseback riding, horseshoes, hunting, indoor pool, kayaking, laser tag, meditation trail, mountain biking, off road driving adventures, outdoor pool, paintball, playground, President's Cottage Museum, property tours, putting/practice green, shuffleboard, skeet and trap shooting, spa sporting clays, tennis, video arcade, whitewater rafting.

Please check The Greenbrier's website for information and pricing on activities you may be interested in.

Tours

Bunker tours are available for persons 10 years and older.

Spa

The Greenbrier Spa is the only mineral spa in the world to be awarded the coveted Five-Star rating from Forbes' Travel Guide. The Greenbrier's Sulphur springs and the natural benefits of the minerals remain at the heart of your spa experience.



Shopping

There are 30 unique shops – ladies' fashions, men's fashions, jewelry, leather and much more.

Dining at The Greenbrier

The Main Dining Room requires jacket and tie for dinner; Café Carleton, Draper's and Prime 44 West recommends jacket; The Forum, In-Fusion requires jacket for dinner; Sam Snead's recommends jacket and Tree Tops Café.



Lounges

Lobby Bar, Twelve Oaks, Slammin' Sammy's Sports Bar, The Greenbrier Gourmet Shoppe and Coffee Bar

Gaming

The Casino Club at The Greenbrier is an elegant, smoke-free environment that has world-class gaming, live entertainment, international cuisines and an amazing casino experience. Games include slot machines, blackjack, craps, roulette, baccarat as well as three-card Texas Hold 'Em poker tables. Sports coats are required after 7:00 pm (no jeans please).



Adventure Zone (Kids)

See The Greenbrier website for details. Reservations must be made in advance by calling 1.855.453.4858.



Registration fees:

- \$425 SENRS Member
- \$675 Non-Member
- \$275 Spouse/Trainee/Vendor

Registration fees include Thursday dinner and Friday reception and dinner. RSVPs required at time of meeting registration.

A block of rooms is being held for the meeting from Wed. 10/19 through Sat. 10/22. Reservations should be made by phone 855.235.6441 or online at <https://bit.ly/senrs2022>.

- Traditional Guest Room..... \$319 per night
- Superior Guest Room..... \$344 per night
- Deluxe Rooms/Draper Suites \$369 per night

A resort fee of \$20 per room, per day is added to your account for service provided under the European Plan. This includes local and toll free phone calls, wireless internet access, on property ground transportation, use of the swimming pool, fitness center, historical tours and slide presentations. Bellmen, doormen and others who render intermittent personal services are not included in the service charge. There is an additional charge for a 3rd and/or 4th person in room. Room rates are subject to 6% West Virginia state sales tax and 3% county occupancy tax. Valet parking is available at \$20 per day. Self-parking is complimentary. Check in time: 4:00 pm. Check out time: 11:00 am.

Reservations must be received by September 3, 2022 to receive the group rate. After that date, rooms will be subject to availability at the prevailing rate.

A **deposit** in the amount of one night's room charge is required. Late arrival/early departure causes forfeiture of deposit, unless cancellation or changes are made 14 days in advance of your scheduled arrival date.

Annual meeting registration is available online at <http://bit.ly/senrsmeeting>



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Joseph Sullivan, III M.D.
2022 SENRS President
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Speakers

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 Memphis Radiological PC
 Memphis, TN

Richard Beegle, MD

Section Chief, Neuroradiology,
 AdventHealth Medical Group Radiology,
 Central Florida, Division
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Professor, Mallinckrodt Institute
 of Radiology
 St. Louis, MO

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 University of Miami School of Medicine,
 Miami, FL

Meng Law, MD

Professor of Radiology,
 Monash School of Medicine,
 Melbourne, Australia

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 Radiology, Richmond Division, Medical
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 University of Florida and North
 Florida/South Georgia VAMC
 Gainesville, FL

Colin McKnight, MD

Assistant Professor,
 Vanderbilt University Medical Center
 Nashville, TN

Erik Middlebrooks, MD

Professor of Radiology, Mayo Clinic College
 of Medicine and Science
 Jacksonville, FL

Speakers

Frank Minja, MD

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Emory University School of Medicine
Atlanta, GA

Bradford Mitchell, MD

Chief, Emergency Neuroradiology,
Charlotte Radiology, PA
Charlotte, NC

Sugoto Mukherjee, MD

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John Peter Smith Hospital, Radiology
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Carlos Zamora, MD, PhD

Clinical Associate Professor, Chief Division
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Carolina School of Medicine
Chapel Hill, NC

THURSDAY, OCTOBER 20, 2022

12:00-12:05 pm.....**Welcoming Remarks**
Ryan Murtagh, MD, MBA and Joe Sullivan, MD

CSF AND VASCULAR

12:05-12:30 pm**New Concepts in CSF Metabolism and Their Potential Relevance** | *Colin McKnight, MD*

12:30-12:55 pm**Pearls and Pitfalls of Perfusion CT in Stroke**
Ranliang Hu, MD

12:55-1:20 pm.....**Imaging of Pulsatile Tinnitus** | *David Loy, MD*

1:20-1:45 pm.....**Vessel Wall Imaging** | *Sukhwinder Sandhu, MD*

1:45-2:10 pm.....**Intracranial Vascular Malformations** | *Frank Minja, MD*

2:10-2:20 pm.....**SAM Questions and Review**

2:20-2:45 pm.....**Break**

HEAD AND NECK

2:45-3:10 pm.....**Primary Hyperparathyroidism and Radiology: Are We Doing the Best We Can?** | *Paul Bunch, MD*

3:10-3:35 pm.....**Neck Carcinoma of Unknown Primary**
Sugoto Mukherjee, MD

3:35-4:00 pm.....**Imaging of Facial Pain** | *Daniel W. Williams III, MD*

4:00-4:25 pm.....**Jaw-dropping Pathology: Unusual TMJ Disease**
Tara Massini, MD

4:25-4:50 pm.....**Pterygopalatine Fossa/Connections and Adjacent Skull Base Holes** | *Surjith Vattoth, MD*

4:50-5:00 pm.....**SAM Questions and Review**

5:00-6:30 pm.....**Stump the SENRS Stars** | *Andrew Wagner, MD*

7:00 pm.....**Reception and Dinner**

FRIDAY, OCTOBER 21, 2022

7:00-8:00 am **Business Meeting**

8:00-8:05 am **Welcome and Announcements** | *Ryan Murtagh, MD, MBA*

PEDIATRIC AND CONGENITAL

8:05-8:30 am **Imaging in the Pre-surgical Evaluation of Epilepsy in Children** | *Sheng-Che Hung, MD*

8:30-8:55 am **EAC Atresia** | *Richard Beegle, MD*

8:55-9:20 am **Myelination: From Milestones to Machine Learning**
Mike Malinzak, MD, PhD

9:20-9:45 am **Imaging of Histiocytoses in Children and Adolescents** | *Noah Sabin, MD*

9:45-9:55 am **SAM Questions and Review**

9:55-10:10 am **Break**

SPINE

10:10-10:35 am **Spine Infection** | *Orlando Ortiz, MD*

10:35-11:00 am **How to Grow a Spine Service** | *Linda Gray, MD*

11:00-11:25 am **Spine Intervention** | *Jack Jennings, MD*

11:25-11:55 am **Imaging of Brachial and Sacral Plexus** | *Efrat Saraf-Lavi, MD*

11:55- am-12:00 pm **SAM Questions and Review**

12:00-12:30 pm **Keynote Speaker – Perivascular Spaces in Neurogenerative Diseases and Spaceflight Associated Neuro-Ocular Syndrome: How This Could Save Humanity**
Meng Law, MBBS

6:30 pm **Reception**

7:00 pm **Dinner and Awards**

SATURDAY, OCTOBER 22, 2022

7:30-8:00 am **Oral Poster Presentations****8:00-8:05 am** **Welcome and Announcements** | *Ryan Murtagh, MD, MBA***BRAIN****8:05-8:30 am** **Clinical Ultra High Field MRI** | *Erik Middlebrooks, MD***8:30-8:55 am** **Role of the Radiologist in the Workup of Headache**
*Matt Parsons, MD***8:55-9:20 am** **Carpe Cerebrum: Effects of Seizure on the Brain**
*Brad Mitchell, MD***9:20-9:45 am** **Diagnosing Meningoceles, Meningoencephaloceles,
and CSF Leaks** | *Jacqueline Angel, MD***9:45-10:10 am** **Neuroimaging of Major Neurocutaneous
Syndromes** | *Carlos Zamora, MD, PhD***10:10-10:25 am** **Break****POLICY AND GENERAL****10:25-10:50 am** **The Big Leap: Radiology Entrepreneurship and Venture
Investing** | *Austin Dixon, MD, MBA***10:50-11:15 am** **What's the Difference? Independent Trainee Call vs. 24/7
Attending Coverage** | *Martin Reis, MD***11:15-11:40 am** **ACR Economics Update and Beyond: Looking
Further** | *Kurt Schoppe, MD***11:40 am-12:05 pm** **Why We Miss Things** | *Aseem Sharma, MD***12:05-12:30 pm** **Middle Ear Masses** | *John V. Murray Jr., MD***12:30-12:45 pm** **Q&A****12:45 pm** **Adjourn**