32nd Annual Meeting of
The Eastern Neuroradiological Society

August 27 – 30, 2020
Hilton Burlington Lake Champlain • Burlington, Vermont

SAM Credit Available
20.75 AMA PRA Category 1 Credit(s)™

For more information, visit www.enrs.org
On behalf of the Executive Committee and the Program Committee, I would like to invite you to join us for the 32nd Annual Meeting of the Eastern Neuroradiological Society in beautiful Burlington, Vermont. The 2020 meeting will start Thursday, August 27th and run until 12:00 PM Sunday, August 30th.

For the 2019/2020 ENRS program committee, we have assembled an expert team of neuroradiologists who are all exceptional clinicians/neuroradiologists, influential educators/teachers, and accomplished scientists/researchers. With their expertise, we were able to create a well-balanced, diverse and comprehensive as well as a timely scientific program. Similar to the previous meetings, we will offer 13 focused scientific sessions covering the following topics: ENT/Head and Neck Radiology; Artificial Intelligence, Machine Learning, and Radiomics; Neurovascular anomalies and Neurovascular Genetics; Pediatric Neuroradiology; Autoimmune diseases and Inflammation; The aging brain including Alzheimer’s and Nuclear Neuroradiology; Why become a neuroradiologist, what to expect, fellowship; Stroke Imaging; System operations, resources, and workflow; Cerebral neoplasms and molecular/genetic subtyping; Hydrocephalus, CSF circulation disorders and beyond; Spine, spinal cord and brachial plexus; Emergency neuroimaging; Don’t miss these lesions; advanced neuroimaging techniques. In addition, there will be a session entitled, "Wish I Could Read This Case Again!" We expect to have several 60 minute scientific sessions allowing for presentations of scientific papers. We especially encourage the younger generation of upcoming neuroradiologists to submit as many scientific abstracts as possible. Finally, multiple SAM sessions are embedded in the program allowing for MOC cycle certification and recertification.

The meeting location is spectacular and will guarantee that all participants can enjoy top-notch lecturing and scientific exchange in one of the healthiest cities in North America. Burlington is located along beautiful Lake Champlain. The congress venue is “squeezed” between the lake and the Burlington historic downtown area. Burlington is considered one of the most environmentally progressive cities and was the first city in the United States of America to source 100% of its residential energy from renewable resources. Participants are encouraged to bring their family and friends and enjoy a bike ride on the Burlington bike path following the shoreline, a sailing trip on the lake or to stroll through the picturesque historic Burlington downtown. All of this is within a 5 minute walk from the congress venue. Ice cream lovers should consider visiting the Ben Cohen and Jerry Greenfield Ice cream factory which is a 30-minute ride from Burlington. Finally, Burlington has a convenient international airport 10 minutes away from the congress venue. This airport allows you to enjoy air travel as it was in the old days, without any stress. If you are still not convinced about attending this exciting meeting where teaching and science will meet friendship, nature, and history, you must at least visit Burlington to look for “Champ” the Vermont Loch Ness monster who “lives” in Lake Champlain!

I have enjoyed many past ENRS meetings especially because it is characterized by a very relaxed and easy-going atmosphere allowing easy, and mid-career neuroradiologists to mingle with senior colleagues. I have made many friends at the ENRS meetings. I have learned so much from my colleagues because the informal setting invites open discussions and interactions. Don’t miss out on this opportunity!

See you in Burlington,

Thierry A.G.M. Huisman, M.D., PD, EDINR, EDIPNR, FICIS

Target Audience
The ENRS 32nd Annual Meeting is targeted to academic and private practice neuroradiologists, general radiologists, and other health professionals with an interest in neuroimaging and head and neck imaging in the Northeastern United States and Canada. The meeting is also targeted to trainees and is an excellent venue for physicians-in-training, including residents and fellows. The meeting covers imaging of diseases of the pediatric, adult and aging brain, spine, otolaryngology, as well as neurointervention in adults and children. The imaging techniques covered range from routine, commonly used applications, to the most recent, cutting-edge techniques. In addition, important updates on the significance of artificial intelligence, pattern recognition and radiomics will be discussed.

Accreditation
Physicians: 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 Educational Symposia and The Eastern Neuroradiological Society. Educational Symposia is accredited by the ACCME to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 20.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Self-Assessment Modules (SAMs): Educational Symposia has been granted Deemed Status by the American Board of Radiology (ABR). This allows Educational Symposia to develop and implement SAMs that satisfy ABR Part II MOC requirements.

Educational Objectives
At the conclusion of the meeting, the participant should be able to:

- Effectively evaluate and derive a differential diagnosis for various diseases in the neck, sinonasal cavity, orbit, and temporal bone including aspects of appropriate reporting for Pre-FESS sinus imaging, and NIRDAS in post-operative surveillance of H&N neoplasias
- Understand and utilize/apply artificial intelligence, pattern recognition and radiomics in neuroimaging
- Correlate neurovascular genetics and neuro-architecture with neurovascular anomalies
- Develop an approach for the evaluation of neonatal and pediatric disorders affecting the brain, including neuro-metabolic disorders, pediatric arterial ischemic stroke, pediatric brain tumors and neonatal brain injury
- Differentiate between various neurologic autoimmune diseases and CNS inflammation
- Evaluate the normal and abnormal aging of the brain including Alzheimer’s disease and the significance of nuclear neuroradiology approaches
- Advise the upcoming young generation of radiologists why and how to become a neuroradiologist
- Optimally use and apply neuroimaging in the diagnostic work up of patients suspected of an arterial or venous stroke
- Correlate and understand the significance of combining neuroimaging findings of CNS neoplasms with molecular and genetic subtyping in the guidance of treatment options and prediction of outcome
- Unravel the mysteries of CSF circulation disorders and beyond
- Recognize spine, spinal cord and brachial plexus pathologies
- Develop an efficient, highly effective and diagnostic emergency neuroimaging pipeline
- Use advanced neuroimaging techniques including vessel wall imaging, cerebral perfusion, and advanced CT technology
- Learn from cases that we would all like to read a second time

No special educational preparation is required for this CME activity.

SPECIAL NOTE FOR THE DISABLED: Educational Symposia (ESI) and the Eastern Neuroradiological Society (ENRS) wish to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact ESI at (813) 806-1000.

DISCLAIMER: Educational Symposia (ESI) and the Eastern Neuroradiological Society (ENRS) as planners and presenters of this meeting, and Professional Travel as the official travel agency for this meeting, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during, this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel’s responsibility is limited to that of an agent.
2019-2020
ENRS Executive Committee

PRESIDENT & CHAIR
Reza Forghani, M.D., Ph.D.
Associate Professor, Department of Radiology
Director, Augmented Intelligence & Precision Health Laboratory (AIHPH)
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Montreal, Quebec, Canada

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Radiologist-in-Chief and Edward B. Singleton Chair of Radiology
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Zucker Hofstra School of Medicine at Northwell North Shore University Hospital
Manhasset, NY

2ND PAST-PRESIDENT
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Associate Professor of Medical Imaging and Otolaryngology Head and Neck Surgery
Princess Margaret Cancer Centre University of Toronto
Toronto, Ontario, Canada

PROGRAM CHAIR:
Thierry A.G.M. Huisman, M.D., Ph.D., EDINR, EDIPNR, FICIS
Professor of Radiology, Pediatrics, Neuroradiology, Obstetrics and Gynecology
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Princess Margaret Cancer Centre University of Toronto
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ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, RADIOMICS:
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Professor of Radiology
Lenox Hill Hospital and Lenox Hill Greenwich Village
New York, NY

NEUROVASCULAR ANOMALIES, NEUROVASCULAR GENETICS:
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Mayo Clinic, Rochester
Rochester, MN

CEREBRAL NEOPLASMS AND MOLECULAR/GENETIC SUBTYPING:
Girish M. Fatterpekar, MBBS, DNB, M.D.
Associate Professor Radiology
Section Chief Neuroradiology
NYU Langone Medical Center
New York, NY

AUTOIMMUNE DISEASES AND INFLAMMATION:
Izlem Izbudak, M.D.
Associate Professor of Radiology and Neurology
The Russell H. Morgan Department of Radiology
Division of Neuroradiology
Johns Hopkins Hospital
Baltimore, MD

THE AGING BRAIN INCLUDING ALZHEIMER’S AND NUCLEAR NEURORADIOLOGY:
Martin G. Pomper, M.D., Ph.D.
Director, Nuclear Medicine and Molecular Imaging
Department of Radiology
Johns Hopkins Hospital
Baltimore, MD

BECOMING A NEURORADIOLOGIST: PERSPECTIVES, EXPERIENCES, AND EXPECTATIONS:
Carlos Zamora, M.D., Ph.D.
Assistant Professor of Radiology
UNC Department of Radiology
Chapel Hill, NC

STROKE IMAGING: SYSTEM OPERATIONS, RESOURCES AND WORKFLOW:
Pina Sanelli, M.D., MPH, FACR
Professor of Radiology
Vice Chairman of Research
Department of Radiology
Northwell Health
Manhasset, NY

PAMELA S. SCHAFFER, M.D.
Associate Professor in Radiology
Harvard Medical School
Veterans Affairs Boston Healthcare System

PEDiatric NEURORADIOLOGY:
Manohar Shroff, M.D., FRCPA
Professor of Radiology
Department of Medical Imaging
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Chief of Radiology, Ontario’s Children’s Hospital
Toronto, Ontario, Canada

HYDROCEPHALUS, CSF CIRCULATION DISORDERS AND BEYOND:
Ari M. Blitz, M.D.
Division Chief, Neuroradiology
University Hospitals
Clinical Professor, Radiology
Case Western Reserve University School of Medicine
Baltimore, MD

SPINE, SPINAL CORD, AND BRACHIAL PLEXUS:
Adam E. Flanders, M.D.
Professor of Radiology and Rehabilitation Medicine
Thomas Jefferson University Hospital
Philadelphia, PA

EMERGENCY NEUROIMAGING: DON’T MISS THESE LESIONS:
Michael H. Lev, M.D., FAHA, FACR
Professor of Radiology
Past-President ENRS (2003-2004)
Harvard Medical School
Director of Emergency Radiology and Emergency Neuroradiology
Massachusetts General Hospital
Boston, MA

ADVANCED NEUROIMAGING TECHNIQUES:
Birgit Ertl-Wagner, M.D.
Derek Harwood-Nash Chair of Pediatric Neuroradiology
Division Head Neuroradiology, The Hospital for Sick Children, Toronto
Professor of Medical Imaging, University of Toronto
Toronto, Ontario, Canada

SCIENTIFIC PRESENTATIONS:
Laurent Letourneau-Guillon, MD
Clinical Assistant Professor
Centre Hospitalier de l’Université de Montréal (CHUM)
Montreal, Quebec, Canada

Mari Hagiwara, M.D.
Associate Professor
Department of Radiology
New York University Langone Medical Center
New York, NY

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Bruno P. Soares, M.D.
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Associate Professor
University of Vermont Medical Center
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Professor of Radiology
Lenox Hill Hospital and Lenox Hill Greenwich Village
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### Program Schedule

#### Thursday, August 27, 2020

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<td>Meeting Registration</td>
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<tr>
<td>9:10 – 9:20</td>
<td>Welcome</td>
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<tr>
<td>9:20 – 9:30</td>
<td>Introduction</td>
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<tr>
<td>9:30 – 9:55</td>
<td>Approach to Initial Diagnostic Imaging of SCCa: CT or MRI</td>
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<tr>
<td>9:55 – 10:15</td>
<td>PET MR and PET CT in H&amp;N Cancer Diagnosis</td>
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<td>The &quot;Might be Pathologic&quot; Lymph Node</td>
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<td>Generating an Appropriate Report for Pre-FESS Sinus Imaging</td>
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<td>ENT Infectious Emergency Conditions</td>
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<td>Application of NIRADS in Post-Therapy Surveillance of H&amp;N Neoplasia</td>
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<tr>
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<tr>
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<td>Continental Breakfast for Registrants and Visit Technical Exhibits</td>
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<td>4:30 – 5:30</td>
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#### ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, RADIOMICS

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<td>1:30 – 1:50</td>
<td>AI from Turing to Facebook: Focus on Bias and Ethics</td>
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<td>1:50 – 2:10</td>
<td>A Primer in AI for Neuroradiologists</td>
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<td>2:10 – 2:30</td>
<td>Applications of Deep Learning to Neuroimaging</td>
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<td>Machine Learning in Glioma Genetics and Stroke</td>
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#### NEUROVASCULAR ANOMALIES, NEUROVASCULAR GENETICS

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#### BECOMING A NEURORADIOLOGIST: PERSPECTIVES, EXPERIENCES, AND EXPECTATIONS

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<td>How Neuroradiology Practice and Neuroradiology Education have Evolved over the Last 30 Years: Historical Perspective</td>
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<td>2:35 – 2:55</td>
<td>My First 5 Years in an Academic Career: Observations</td>
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<td>2:55 – 3:15</td>
<td>Women In Neuroradiology: Perspectives From a Division Chief and ASNR Past President</td>
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<td>3:15 – 3:35</td>
<td>How to Build a Research Portfolio in Academic Neuroradiology</td>
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<tr>
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<td>Climbing the Administrative Ladder: Is It Possible for a Young Neuroradiologist?</td>
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<td>Question and Answer Session</td>
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<tr>
<td>4:05 – 4:25</td>
<td>Scientific Paper Session #2</td>
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<tr>
<td>4:30 – 5:05</td>
<td>Current State of Affairs of the ASNR</td>
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<tr>
<td>5:05 – 5:35</td>
<td>ENRS Annual Business Meeting (ENRS Members Only)</td>
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<tr>
<td>5:35 – 6:00</td>
<td>Presentation of ENRS 2021 Meeting</td>
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<td>6:00 – 6:05</td>
<td>End of Session</td>
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Saturday, August 29, 2020
7:00 – 8:00 AM Continental Breakfast for Registrants and Visit Technical Exhibits
7:30 – 8:00 Scientific Paper Session #3

STROKE IMAGING:
SYSTEM OPERATIONS, RESOURCES AND WORKFLOW
Moderators: Pina C. Sanelli, M.D., MPH, FACR, Pamela W. Schaefer, M.D.
8:00 – 8:20 Stroke Update: Review AHA Guidelines
Pina C. Sanelli, M.D., MPH, FACR
8:20 – 8:40 Stroke Imaging Operations and Workflow: Emerging AI Applications
Eyad Latan, M.D., Ph.D.

IMAGING BASED PATIENT SELECTION FOR TREATMENT DECISIONS
8:40 – 8:50 Imaging and Treatment Paradigms in Posterior Circulation Strokes
Clifford J. Eskey, M.D., MSc, FRCPC
8:50 – 9:00 Imaging Collaterals and Its Clinical Implications for Treatment and Outcomes
Scott B. Raymond, M.D., Ph.D.
9:00 – 9:10 Imaging and Treatment Paradigms in Unwitnessed and Wake-Up Strokes
Ona Wu, Ph.D.

STROKE IMAGING PARADIGMS
9:10 – 9:25 CT/CTA Based Approach: Minimal Imaging
Ajay Malhotra, M.D., MMM
9:25 – 9:35 CT/CTA/CTP Based Approach: Is CT Perfusion Necessary?
Sean Symons, MPH, M.D., MBA
9:35 – 9:45 MRI Based Approach
Pamela W. Schaefer, M.D.
9:45 – 10:00 Panel Debate and Discussion: Stroke Imaging Paradigms
Ajay Malhotra, M.D., MMM, Sean Symons, MPH, M.D., MBA, Pamela W. Schaefer, M.D.
10:00 – 10:15 Refreshment Break and Visit Technical Exhibits

PEDIATRIC NEURORADIOLOGY
Moderators: Mansohar M. Shroff, M.D., FRCPC, Aylin Tekes, M.D.

SAM SESSION
10:45 – 11:05 Pediatric Brain Tumors: WHO 2016 Update
Aashim Bhatia, M.D., M.S.
11:05 – 11:25 Pattern Approach to Pediatric Neuroradiological Disorders
Bruno P. Soares, M.D.
11:25 – 11:45 Neurointervention in Children: A Case Based Review
Prakash Maheshwari, MBBS, MBBS, M.D.
11:45 – 12:05 PM Pediatric Arterial Ischemic Stroke
Mansohar M. Shroff, M.D., FRCPC
12:05 – 12:25 Evaluation of Preterm and Term Neonatal Brain Injury: Head Ultrasound to Brain MRI
Aylin Tekes, M.D.
12:40 – 1:45 Lunch & Learn How-To-Session OR Lunch on Own

HYDROCEPHALUS, CSF CIRCULATION DISORDERS AND BEYOND
Moderator: Ari M. Blitz, M.D., Lawrence N. Tanenbaum, M.D., FACR
2:00 – 2:20 High Resolution 3D Skull Base MRI for Detection of CSF Leakage from the Cranial Ari M. Blitz, M.D.
2:20 – 2:40 Spontaneous Spinal CSF Leak: Diagnostic Overview
Maya A. Khan, MBBS, M.D.
2:40 – 3:00 Percutaneous Treatment of CSF Leakage
Linda Gray-Leithe M.D.
3:00 – 3:15 Refreshment Break and Visit Technical Exhibits

ENRS Abstract Submission:
Deadline for Abstract Submissions
May 29, 2020

Abstracts will be accepted for oral presentation in 3 categories: (1) Scientific Oral Presentation (2) Excerta Extraordinaire (brief presentation of interesting, educational case reports) and (3) Scientific Poster Presentation. Submissions are welcome in all major categories in Neuroradiology including disorders of the brain, spine, head and neck, pediatrics, interventional neuroradiology, fetal neuroradiology, and technical abstracts. Authors will be notified by May 29, 2020. Authors of accepted abstracts will be required to register for the meeting and pay the meeting registration fee.

Interested candidates should submit abstract(s) accompanied by a completed abstract submission form electronically to: Laurent Letourneau-Guillon MD, MSc at laurent.letourneau-guillon.1@umontreal.ca and Mari Hagiwara Mari.Hagiwara@nyulangone.org.

Invited Faculty

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Faculty & topics subject to change.
32nd Annual Meeting of
The Eastern Neuroradiological Society

32nd Annual Meeting of
The Eastern Neuroradiological Society

A late fee of $75 will be added to any registration postmarked after July 23, 2020.

ENRS Member .............................................. $475.00
Non-Member ............................................... $795.00
Members-in-Training ...................................... $300.00

WELCOME RECEPTION
Yes, I plan to attend the Welcome Reception .................. FREE
Thursday, August 27, 2020

GALA DINNER
Yes, I plan to attend the Gala Dinner (Attendee) ............... $75.00
Yes, I plan to have a guest attend
Guest / Spouse Dinner Fee ................ $120.00
Children under 12 years of age ......... $25.00
Saturday, August 29, 2020

TOTAL ENCLOSED: $

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Specialty: ❑ Staff Neuroradiologist ❑ Staff Head & Neck ❑ Private Practice Neuroradiologist ❑ Private Practice Head & Neck ❑ Other
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Expiration Date
Security Code
Billing Address
City / State / Zip Code / Country
Cardholder Signature

Cancellations: Requests for refund of registration fees, less a $75.00 administrative fee, will be made to those providing written notification of cancellation by July 23, 2020. After that date, there will be no refunds given for cancellations. Please email notice of cancellation to cancel@edusymp.com or fax to 813-806-1001.

32nd Annual Meeting of
The Eastern Neuroradiological Society

Hilton Burlington Lake Champlain

About The Hotel
Situated on the waterfront, Hilton Burlington Lake Champlain offers expansive views of scenic Lake Champlain and the picturesque Adirondacks. With its convenient location and on-site amenities, the hotel has something for everyone. Explore the area's many attractions and activities including a scenic lake cruise on The Spirit of Ethan Allen and Burlington Segway Tours.

Walk to several Burlington attractions, including the historical Church Street Marketplace, only two blocks from the hotel.

Find all the comforts of home and more at Hilton Burlington Lake Champlain. Need to refresh after a busy day? Work out in our state-of-the-art fitness facility while taking in beautiful lake and mountain views.

How To Get There
Fly directly to Burlington International Airport, located just 15 minutes from Hilton Burlington Lake Champlain.

SPACE IS LIMITED - RESERVE TODAY:
Visit ENRS.edusymp.com to visit the accommodations page for additional hotel information and reservation link.
Call Reservations at: 802-445-8667 and identify that you are with “2020 Eastern Neuroradiological Society Annual Meeting” or “ENRS” to receive the group discounted room rate.
Call Professional Travel at (813) 806-1050 for further assistance.

Group Room Rates Start At ....................... $259.00 nt.
(Single/Double Occupancy)

HOTEL TAX: 9% State Occupancy Tax, 2% City Tax, $1.50/night Vermont Marketing Fee and a $1.00/night Housekeeping Fee.

HOTEL CUT-OFF DATE: August 12, 2020
(group rates 3 days prior/post – space available basis)

SELF-PARKING: Complimentary parking to guests attending the event for one vehicle per room night.

DEPOSIT POLICY: Reservation must be guaranteed with a major credit card.

CANCELLATION POLICY: If a guest does not cancel a reservation within 48 hours before 4:00 PM of the guest’s check-in date, then Hotel may charge the credit card one night’s room fee plus any applicable taxes. Check in time is: 4:00 PM; check out time is: 11:00 AM.

HOTEL: 60 Bay Street
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