



**JOIN US IN
LAS VEGAS**
OR LIVE WEBCAST

12th Annual

Neuroradiology in Clinical Practice 2019

19.25 AMA PRA Category 1 Credit(s)TM

Including Stroke Mini-Symposium

Stroke Imaging And Intervention

8.0 AMA PRA Category 1 Credit(s)TM

October 18 – 20, 2019

Aria® Resort and Casino • Las Vegas, Nevada

SAM Session is Available At This Meeting

ESI Educational
Symposia



ABOUT THE MEETING

This course is designed to address current topics in neuroimaging and the clinical management of neurological disease. Emphasis is placed on the role of imaging in pathology and trauma affecting the central nervous system. Imaging manifestation of disease, optimizing imaging techniques and the recent advanced applications of artificial intelligence (AI) and PET/MRI will be discussed. Additionally, a dedicated segment of the program focuses on the latest in stroke imaging including triage, management and treatment.

TARGET AUDIENCE

This program is designed for practicing radiologists, neurologists and neurosurgeons that interpret or rely on imaging studies for the evaluation of neurological disorders. Radiologic technologists who perform these types of procedures will also find the program beneficial.

SCIENTIFIC SPONSOR

Educational Symposia

ACCREDITATION

Physicians: Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 19.25 *AMA PRA Category 1 Credit(s)TM*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Technologists: This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit www.edusymp.com or call (813) 806-1000 regarding the availability of Category A CE credit.

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

Attendees should, at the completion of this course, be able to:

- Discuss the advances in neuroimaging applications and interpretation.
- Evaluate intracranial tumors, vascular abnormalities and traumatic brain injury.
- Discuss the clinical and imaging manifestations of neurodegenerative disease.
- Recognize image characteristics of common neurovascular disease processes.
- Utilize CTA and MRA in neuroradiology applications.
- Describe the changing role of imaging in the management of spine disease.
- Apply state of the art stroke imaging protocols to clinical practice.
- Discuss the role of radiology in the treatment of acute stroke.

No special educational preparation is required for this CME activity.

COURSE ORGANIZATION

This program is planned and organized by Educational Symposia, a leader in continuing medical education since 1975.

ACKNOWLEDGEMENT

Educational Symposia appreciates our corporate supporters and exhibitors. A list of industry supporters will be provided and acknowledged at the meeting.

CANCELLATIONS

Cancellations must be received in writing by sending an e-mail to cancel@edusymp.com. There is a \$50 processing fee applied to all cancellations. Cancellations made in writing prior to **September 20, 2019** will be issued a refund for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after **September 20, 2019**.

REGISTRATION INFORMATION

Tuition for live conference includes all course materials, an electronic color course syllabus (printed color syllabus available for \$95, advanced purchase only), daily continental breakfasts and coffee breaks. Early registration is strongly suggested. There will be a \$100 surcharge for anyone registering after **October 9, 2019**. Minimum and maximum attendance levels have been established for this meeting. If your registration cannot be accepted, you will be issued a full tuition refund.

Tuition for live webcast includes participation for one registrant. Each registrant must sign-in on a separate computer to receive credit. Prior to the meeting we will send you further information about the log in process. We will also send you an electronic color course syllabus via email. If you have any questions or issues logging into the meeting we will have support personnel available at (813) 806-1000. There will be a \$100 surcharge for anyone registering after **October 9, 2019**.

Please note: A minimum number of registrants is required to live webcast this course. If the minimum number is not met by **September 20, 2019** the live webcast activity may be cancelled and a full refund issued.

WEBCAST REQUIREMENTS

Visit the Help Center at www.edusymp.com/site/help to review the computer and internet requirements for viewing live webcast meetings.

4 EASY WAYS TO REGISTER

We Accept



INTERNET
www.edusymp.com

MAIL Check payable to:
Educational Symposia
5620 West Sligh Avenue
Tampa, Florida 33634-4490

FAX
(813) 806-1001

PHONE
(813) 806-1000

Reduce your mail clutter or just add email announcements. Please visit the "Mailing List" section of our website at www.edusymp.com.

Disclaimer: Educational Symposia (ESI) as planner and presenter 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.



Special Note for the Disabled: Educational Symposia wishes 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 our office at (813) 806-1000.

FACULTY

Program Director:

Blake A. Johnson, M.D., FACR

Jalal B. Andre, M.D.

*Director of Neurological MRI, Harborview Medical Center
Associate Member, Head Injury Prevention and
Research Center
Associate Medical Staff of Seattle Cancer Care Alliance
Associate Professor of Radiology
University of Washington
Seattle, WA*

Allan L. Brook, M.D., FSIR

*Professor of Radiology & Neurosurgery
Albert Einstein College of Medicine
Director, Interventional Neuroradiology
Montefiore Medical Center
Bronx, NY*

Boris Chulpayev, M.D.

*Assistant Medical Director: Neurology
Section Chief: Neurology
White Plains Hospital
White Plains, NY*

Wende N. Gibbs, M.D., M.A.

*Division of Neuroradiology
Department of Radiology
Senior Associate Consultant, Mayo Clinic
Assistant Professor of Radiology
Mayo Clinic College of Medicine
Phoenix, AZ*

Blake A. Johnson, M.D., FACR

*Medical Director
Center for Diagnostic Imaging
Minneapolis, MN*

Jeffrey S. Ross, M.D.

*Consultant, Mayo Clinic Arizona
Neuroradiology Division
Department of Radiology
Professor of Radiology, Mayo Clinic College of Medicine
Editor-in-Chief, American Journal of Neuroradiology
Phoenix, AZ*

James G. Smirniotopoulos, M.D.

*Professorial Lecturer (Radiology)
George Washington University
Washington, DC
Chief Editor, MedPix®
National Library of Medicine
Bethesda, MD*

Lawrence N. Tanenbaum, M.D., FACR

*Vice President and Chief Technology Officer
Director of CT, MR and Advanced Imaging
Medical Director East Region
RadNet, Inc.
New York, NY*

PROGRAM

Friday, October 18, 2019

7:00 – 8:00 AM	Registration and Continental Breakfast for Registrants
8:00 – 8:40	AI in Medical Imaging <i>Lawrence N. Tanenbaum, M.D., FACR</i>
8:40 – 9:20	Differential Diagnosis of Basal Ganglia Abnormalities <i>Blake A. Johnson, M.D., FACR</i>
9:20 – 10:00	Imaging White Matter Disease <i>Jeffrey S. Ross, M.D.</i>
10:00 – 10:15	Question and Answer Session <i>Faculty</i>
10:15 – 10:30	Coffee Break for Registrants
10:30 – 11:10	Imaging Neurodegenerative Disorders <i>Wende N. Gibbs, M.D., M.A.</i>
11:10 – 11:45	PET/MR in Neurologic Disease <i>Lawrence N. Tanenbaum, M.D., FACR</i>
11:45 – 12:20 PM	Imaging the Phakomatoses <i>James G. Smirniotopoulos, M.D.</i>
12:20 – 12:30	Question and Answer Session <i>Faculty</i>
12:30 – 1:30	Lunch on Your Own
1:30 – 2:10	Gliomas and Tumor Markers <i>James G. Smirniotopoulos, M.D.</i>
2:10 – 2:50	MR Imaging of Skull Base Pathology <i>Wende N. Gibbs, M.D., M.A.</i>
2:50 – 3:30	CNS Trauma: Lessons from MRI <i>James G. Smirniotopoulos, M.D.</i>
3:30 – 3:45	Coffee Break for Registrants

Friday, October 18, 2019 (Continued)

3:45 – 4:20	Imaging in Headache <i>Jeffrey S. Ross, M.D.</i>
4:20 – 4:50	Imaging the “Found Down” Patient <i>James G. Smirniotopoulos, M.D.</i>
4:50 – 5:00	Question and Answer Session <i>Faculty</i>
5:00	End of Session

Saturday, October 19, 2019

7:30 – 8:00 AM	Continental Breakfast for Registrants
8:00 – 8:30	Degenerative Disc Disease: Pathophysiology and Nomenclature <i>Jeffrey S. Ross, M.D.</i>
8:30 – 9:00	The Radiologist’s Role in Neck and Back Pain Management <i>Blake A. Johnson, M.D., FACR</i>
9:00 – 9:30	Advanced Imaging of the Spine <i>Lawrence N. Tanenbaum, M.D., FACR</i>
9:30 – 9:45	Question and Answer Session <i>Faculty</i>
9:45 – 10:00	Coffee Break for Registrants
10:00 – 10:15	Spine Infection and Mimics <i>Wende N. Gibbs, M.D., M.A.</i>
10:15 – 10:45	Regenerative Medicine: A Primer for Radiologists <i>Blake A. Johnson, M.D., FACR</i>

Saturday, October 19, 2019 (Continued)

SAM SESSION	
10:45 – 11:15	Spine Oncology: The Radiologist's Role in Imaging and Intervention <i>Wende N. Gibbs, M.D., M.A.</i>
11:15 – 11:45	MRI of Spine Trauma <i>Jeffrey S. Ross, M.D.</i>

11:45 – 12:00 PM Question and Answer Session
Faculty

12:00 – 1:00 Lunch on Your Own

STROKE IMAGING AND INTERVENTION

12:00 – 1:00	Registration for Stroke Imaging and Intervention
1:00 – 1:30	Stroke Neurology: Differentials and Clinical Diagnosis <i>Boris Chulpayev, M.D.</i>
1:30 – 2:10	Emergency Stroke Triage <i>Jalal B. Andre, M.D.</i>
2:10 – 2:45	Acute Stroke Imaging and Therapy: Neuroradiology in the Leadership Role <i>Allan L. Brook, M.D., FSIR</i>
2:45 – 3:15	Rapid Protocols in Acute Ischemic Stroke <i>Jalal B. Andre, M.D.</i>
3:15 – 3:30	Coffee Break
3:30 – 4:10	CT of Acute Stroke <i>Lawrence N. Tanenbaum, M.D., FACR</i>
4:10 – 4:50	MR Angiography Techniques: Imaging Options and Physics <i>Jalal B. Andre, M.D.</i>
4:50 – 5:00	Question and Answer Session <i>Faculty</i>
5:00	End of Session

Sunday, October 20, 2019

7:30 – 8:00 AM	Continental Breakfast for Registrants
8:00 – 8:40	Acute Management of Stroke <i>Boris Chulpayev, M.D.</i>
8:40 – 9:20	Brain Aneurysms: Basics and Treatment Options <i>Allan L. Brook, M.D., FSIR</i>
9:20 – 9:50	Stroke Epidemiology and Risk Factor Management <i>Boris Chulpayev, M.D.</i>
9:50 – 10:00	Question and Answer Session <i>Faculty</i>
10:00 – 10:15	Coffee Break for Registrants
10:15 – 10:55	Stroke Thrombectomy: Data, Literature, and Guidelines Review <i>Allan L. Brook, M.D., FSIR</i>
10:55 – 11:35	Evaluation of Vasospasm and Delayed Ischemia <i>Jalal B. Andre, M.D.</i>
11:35 – 12:15 PM	Practical Tips for Opening the Occlusion: How I Do It <i>Allan L. Brook, M.D., FSIR</i>
12:15 – 12:30	Question and Answer Session <i>Faculty</i>
12:30	End of Program

Aria® Resort & Casino

SPACE IS LIMITED - RESERVE TODAY:

Visit edusymp.com and search **NRC19** to visit the accommodations page for additional hotel information.
Call Reservations at: 866-359-7757 or 702-590-7757 and identify yourself as a registrant of “**NRC19**” or provide group code: **SEDU1019AR** to receive the group discount.



Group Room Rates Start At..... \$229.00/nt (plus tax)
(single/double occupancy)

Cost for additional person over double occupancy is \$50 for 3rd and 4th person.

ROOM PREFERENCE: Run of the House Room (King bed/Two queen beds) - Non-smoking

HOTEL CUT-OFF DATE: September 16, 2019
(group rates 3 days prior/post – space available basis)

HOTEL TAX: 13.38%

RESORT FEE: 39.00 per room, per day applies (plus tax).

DEPOSIT POLICY: One (1) night's room rate plus tax will be charged at time of reservation.

CANCELLATION POLICY: All cancellations, arrival and departure date changes must be made 72 hours or more prior to scheduled arrival date/time to avoid penalties. Check in time is: 3:00 PM; check out time is: 11:00 AM.

HOTEL: 3730 Las Vegas Blvd
Las Vegas, Nevada 89109
PHONE: (702) 590-7111

Meeting Registration Form:

12th Annual Neuroradiology in Clinical Practice 2019
October 18 – 20, 2019 • Aria® Resort and Casino • Las Vegas, Nevada

NRC19

REGISTER ONLINE: WWW.EDUSYMP.COM Attendance is limited; therefore, early registration is strongly suggested.		TUITION: LIVE MEETING		TUITION: LIVE WEBCAST	
		Check Meeting Registration below: INCLUDES ELECTRONIC COLOR SYLLABUS		Please check your selection below: INCLUDES ELECTRONIC COLOR SYLLABUS	
		On or Before 10/9/19	After 10/9/19	On or Before 10/9/19	After 10/9/19
☐ Physicians	Neuroradiology in Clinical Practice (October 18 – 20, 2019)	☐ \$1,150	☐ \$1,250	☐ \$1,150	☐ \$1,250
☐ Scientists	Stroke Mini-Symposium (Only) (October 19 – 20, 2019)	☐ \$495	☐ \$595	☐ \$495	☐ \$595
☐ Company Personnel					
☐ Fellows / Residents*	Neuroradiology in Clinical Practice (October 18 – 20, 2019)	☐ \$575	☐ \$675	☐ \$575	☐ \$675
	Stroke Mini-Symposium (Only) (October 19 – 20, 2019)	☐ \$248	☐ \$348	☐ \$248	☐ \$348
☐ Full Time Military*	Neuroradiology in Clinical Practice (October 18 – 20, 2019)	☐ \$875	☐ \$975	☐ \$875	☐ \$975
☐ VA Physicians*					
☐ P.A./R.A.	Stroke Mini-Symposium (Only) (October 19 – 20, 2019)	☐ \$375	☐ \$475	☐ \$375	☐ \$475
☐ Retired Physicians					
☐ Technologists					

1st 10 Active Duty Military Personnel*
ATTEND FOR FREE

*MUST ENCLOSE OR FAX LETTER FROM YOUR DIRECTOR CERTIFYING STATUS.

Name	☐ M.D. ☐ D.O. ☐ Ph.D. ☐ R.T. ☐ P.A./R.A. ☐ RDMS ☐ Other	
Company / Hospital	Specialty	
Group Practice Name		
Address	City / State / Zip / Country	
Phone	Email (REQUIRED FOR ELECTRONIC SYLLABUS)	
Card Number	Exp. Date	Security Code
Billing Address	City / State / Zip / Country	
Cardholder Signature		