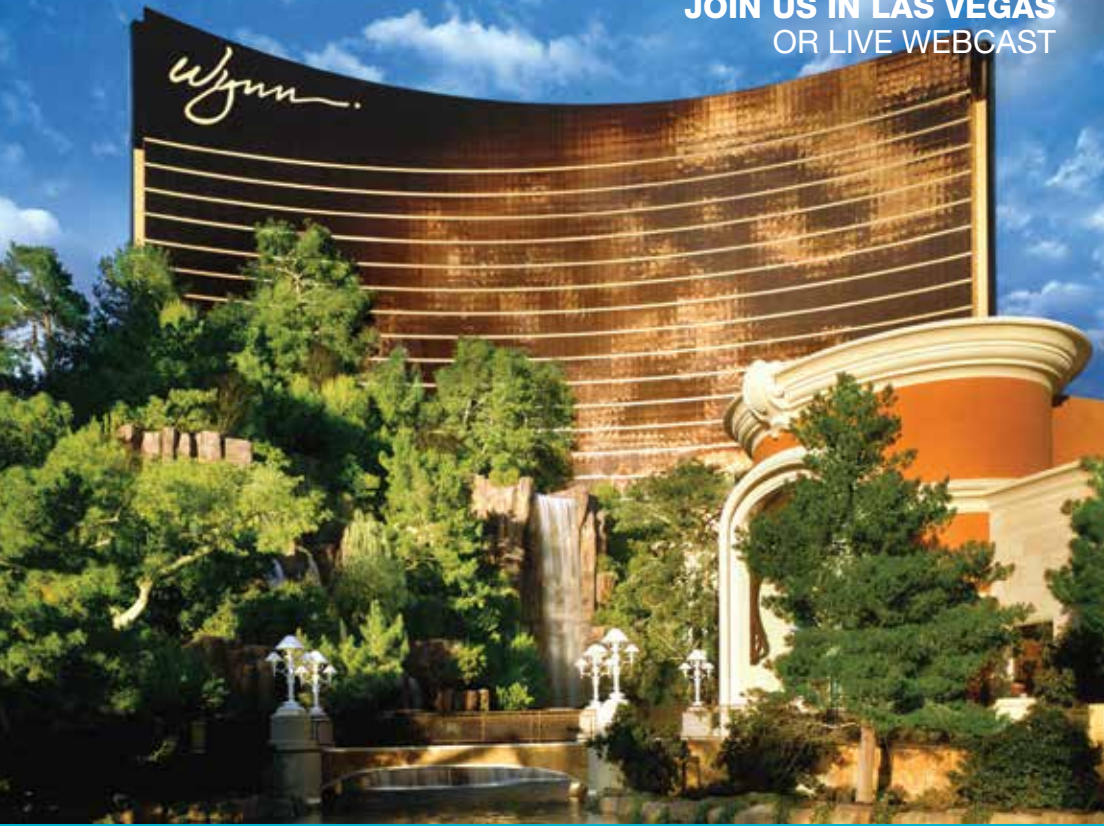


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OR LIVE WEBCAST**



*36<sup>th</sup> Annual*

# **MRI of The Head & Spine 2019:** National Symposium

**April 23-25, 2019**

Wynn® Las Vegas • Las Vegas, Nevada

12.25 AMA PRA Category 1 Credit(s)<sup>™</sup>

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## About The Meeting

This symposium provides a practical, comprehensive review of the important aspects of clinical MRI/MRA of the head & spine. Physicians and technologists practicing neuroradiography utilizing MRI should expand their knowledge base and obtain additional information on safe and efficient scanning protocols. New this year is a focused session on Artificial Intelligence and Cultural Change in Diagnostic Imaging. This special session is designed to help you improve your practice and the overall patient experience.

## Target Audience

This CME activity designed to educate physicians who supervise and interpret neurological MRI studies. This CME activity should also be useful for referring physicians who order these studies so that they might gain a greater appreciation of the strengths and limitations of clinically relevant neuroradiology. MR Technologists should also find this 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 12.25 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. 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](http://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:

- Optimize imaging protocols and techniques to effectively assess CNS pathology.
- Effectively assess cerebral hemorrhage, the temporal bone, neurodegenerative disorders and CNS infections.
- Discuss the expanded role of MRI/MRA of the brain and spine.
- Review and recognize the diverse pathology that affects the spine, including congenital, degenerative, demyelinating, inflammatory, traumatic, and vascular conditions.
- Describe evolving MRI applications and techniques used to evaluate the brain and spine.

*No special educational preparation is required for this CME activity.*

## Course Organization

This program is planned and organized by Educational Symposia, a leader in diagnostic imaging 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. A \$50 processing fee will be applied to all cancellations. Refunds requested in writing prior to **March 22, 2019** will be issued for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after that date.

**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.

## 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 **April 12, 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 problems logging into the meeting we will have support personnel available at (813) 806-1000. There will be a \$100 surcharge for anyone registering after **April 12, 2019**.

Please note: A minimum number of registrants is required to live webcast this course. If the minimum number is not met by **March 22, 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](http://www.edusymp.com/site/help) to review the computer and internet requirements for viewing live webcast meetings.

## Wynn Las Vegas

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Each additional person over double occupancy is \$50.00 per night.  
(single/double occupancy)

### ROOM PREFERENCE:

King/Two Doubles guaranteed. (Charge of \$30 per room per night for two doubles accommodations) upon availability.

Group room rates may be available three (3) days prior and after meeting, subject to availability and confirmation by the hotel.

**Hotel cut-off date: March 22, 2019 • 5:00 PM (PST)**

**HOTEL TAX:** 13.38% **RESORT FEE:** \$39 plus 13.38% tax

**DEPOSIT POLICY:** Credit cards will be charged first night room and tax charges 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: 12:00 PM.

**HOTEL:** 3131 Las Vegas Blvd, South  
Las Vegas, Nevada 89109

**PH:** (702) 770-7000

## Faculty

## Program Director:

Lawrence N. Tanenbaum, M.D., FACR

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

*Assistant Professor, Neuroradiology*

*Director of Spine Imaging and Intervention*

*University of Southern California, Keck School of Medicine  
Los Angeles, CA*

John L. Go, M.D., FACR

*Director of Head and Neck Imaging*

*Keck School of Medicine*

*University of Southern California*

*Los Angeles, CA*

Blake A. Johnson, M.D., FACR

*Medical Director*

*Center for Diagnostic Imaging*

*Minneapolis, MN*

William B. Morrison, M.D.

*Consultant for Philadelphia Eagles, Phillies, Flyers and Sixers*

*Professor of Radiology*

*Director, Musculoskeletal Radiology Division Department of Radiology*

*Thomas Jefferson University*

*Philadelphia, PA*

Lawrence R. Muroff, M.D., FACR

*CEO & President*

*Imaging Consultants, Inc.*

*Tampa, FL*

*Clinical Professor of Radiology*

*University of Florida and University of South Florida*

*Colleges of Medicine*

*Tampa, FL*

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*

Lawrence N. Tanenbaum, M.D., FACR

*Vice President and Medical Director East Region*

*Director of CT, MR and Advanced Imaging*

*RadNet, Inc.*

*New York, NY*

## Program

## TUESDAY, APRIL 23, 2019

## 12:00 – 1:00 PM

## Registration

1:00 – 1:40

MR Contrast Agents Safety Update

*Lawrence N. Tanenbaum, M.D., FACR*

1:40 – 2:15

MR Imaging of Hydrocephalus

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

2:15 – 2:45

Intracranial Metastatic Disease

*Blake A. Johnson, M.D., FACR*

2:45 – 3:00

Question and Answer Session

*Faculty*

## 3:00 – 3:15

## Coffee Break for Registrants

3:15 – 3:55

Patient Centric MR Imaging

*Lawrence N. Tanenbaum, M.D., FACR*

3:55 – 4:25

Imaging in Headache

*Jeffrey S. Ross, M.D.*

4:25 – 5:00

MR of Intracranial Hemorrhage

*Blake A. Johnson, M.D., FACR*

5:00 – 5:15

Question and Answer Session

*Faculty*

## 5:15

## End of Session

**WEDNESDAY, APRIL 24, 2019**

<b>7:30 – 8:00 AM</b>	<b>Continental Breakfast for Registrants</b>
8:00 – 8:40	Temporal Bone Anatomy <i>John L. Go, M.D., FACR</i>
8:40 – 9:15	Imaging Evaluations of CNS Infections <i>Blake A. Johnson, M.D., FACR</i>
9:15 – 9:50	Tumors of the Temporal Bone <i>John L. Go, M.D., FACR</i>
9:50 – 10:00	Question and Answer Session <i>Faculty</i>
<b>10:00 – 10:15</b>	<b>Coffee Break for Registrants</b>
10:15 – 10:40	White Matter Diseases <i>Jeffrey S. Ross, M.D.</i>
10:40 – 11:15	Imaging of Neurodegenerative Disorders <i>Wende N. Gibbs, M.D., M.A.</i>
11:15 – 11:45	Diagnostic Pitfalls in Neuroimaging <i>Blake A. Johnson, M.D., FACR</i>
11:45 – 12:00 PM	Question and Answer Session <i>Faculty</i>
<b>12:00 – 1:00</b>	<b>Lunch On Your Own</b>
1:00 – 1:35	Cervical Vertebral Junction: The Basics and Congenital Anomalies <i>Jeffrey S. Ross, M.D.</i>

**SAM Session**

1:35 – 2:10	Back Pain Imaging and Intervention <i>Wende N. Gibbs, M.D., M.A.</i>
2:10 – 2:45	Vascular Spine Disease <i>Jeffrey S. Ross, M.D.</i>
2:45 – 3:20	Inflammatory/Demyelinating Process of the Spinal Cord <i>John L. Go, M.D., FACR</i>
3:20 – 3:30	Question and Answer Session <i>Faculty</i>
<b>3:30</b>	<b>End of Session</b>

**THURSDAY, APRIL 25, 2019**

<b>7:00 – 8:00 AM</b>	<b>Breakfast with the Vendors for Registrants</b>
8:00 – 8:35	Spine Trauma <i>Wende N. Gibbs, M.D., M.A.</i>
8:35 – 9:10	Spine Nomenclature for the Degenerative Spine <i>John L. Go, M.D., FACR</i>
9:10 – 9:45	MRI of the Cervical Spine - MSK Perspective <i>William B. Morrison, M.D.</i>
9:45 – 10:00	Question and Answer Session <i>Faculty</i>
<b>10:00 – 10:15</b>	<b>Coffee Break for Registrants</b>
<b>Non Accredited Session</b>	
10:15 – 11:00	Artificial Intelligence in Healthcare <i>Lawrence N. Tanenbaum, M.D., FACR</i>
11:00 – 11:45	Culture Change a Necessity for Survival <i>Lawrence R. Muroff, M.D., FACR</i>
11:45 – 12:15 PM	Technology Updates from the Vendors <i>Vendors</i>
<b>12:30 – 1:30</b>	<b>End of Course</b>

# Meeting Registration Form:

36<sup>th</sup> Annual | **MRI of The Head & Spine 2019:** National Symposium

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

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