

# Neuroradiology in Clinical Practice 2021

October 14 – 16, 2021

Omni Scottsdale Resort & Spa at Montelucia • Scottsdale, AZ



## JOIN US IN SCOTTSDALE OR LIVE WEBCAST

All registrants have access to review the webcast for six months post meeting.

### TO REGISTER AND DOWNLOAD THE REGISTRATION FORM

search product code **NRCP21**  
on [www.edusymp.com](http://www.edusymp.com)

**Physicians ..... \$1,195**  
**Allied Health ..... \$875**  
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### 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), traumatic brain injury and stroke imaging updates will be addressed.

### 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.

### 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 20.0 *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:

- 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.
- Explain the clinical impact of artificial intelligence in neuroradiology.

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

**SCIENTIFIC SPONSOR:** Educational Symposia

**COURSE ORGANIZATION:** This program is planned and organized by Educational Symposia, a leader in accredited continuing education since 1975.

### ACKNOWLEDGMENT:

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](mailto:cancel@edusymp.com). There is a \$50 processing fee applied to all cancellations. Cancellations made in writing prior to **September 17, 2021** 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 17, 2021**.

### 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 5, 2021**. 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 5, 2021**.

## Omni Scottsdale Resort & Spa at Montelucia

### SPACE IS LIMITED - RESERVE TODAY

Visit [edusymp.com](http://edusymp.com) and search **NRCP21** to visit the accommodations page for additional hotel information and to book online or call 1-800-THE OMNI and identify yourself as a registrant of the "Pathology Review/Neuroradiology" to receive the group discount.

**Group Room Rates Start at** .....\$239/nt.

**HOTEL CUT-OFF DATE:** September 22, 2021 prior to 5:00 PM local time  
(group rates 3 days prior/post – space available basis)

**DEPOSIT POLICY:** Credit cards will be charged first night's room and tax charges at time of reservation.

**CANCELLATION POLICY:** All cancellations, arrival and departure date changes must be made 72 hours prior to arrival to avoid penalties. Any guest that cancels a reservation after such time will have a charge of one night's room and tax applied to their account. Early departure fee is one night room plus tax. Check in time is: 4:00 PM; check out is 12:00 Noon.

FACULTY

**PROGRAM DIRECTOR:**  
**Blake A. Johnson, M.D., FACR**

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*Medical Director of Neuroradiology  
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**Max Wintermark, M.D., MAS, MBA**  
*Professor of Radiology  
Chief of Neuroradiology  
Department of Radiology, Neuroradiology Division  
Stanford University  
Stanford, CA*

PROGRAM

**Thursday, October 14, 2021**

**7:00 – 8:00 AM Registration and Continental Breakfast for Registrants**

- 8:00 – 8:40Artificial Intelligence in Imaging Reconstruction  
*Lawrence N. Tanenbaum, M.D., FACR*
- 8:40 – 9:20Imaging the Sella Turcica and Parasellar Region  
*Blake A. Johnson, M.D., FACR*
- 9:20 – 10:00Vascular Malformations  
*Erik H. Gaensler, M.D.*
- 10:00 – 10:15Question and Answer Session  
*Faculty*

**10:15 – 10:30 Coffee Break for Registrants**

- 10:30 – 11:10White Matter Disease  
*Jeffrey S. Ross, M.D.*
- 11:10 – 11:45Pulsatile Tinnitus: Neuro-Otologist Perspectives  
*William J. Garvis, M.D.*
- 11:45 – 12:20 PMIatrogenic Disorders of the CNS  
*Erik H. Gaensler, M.D.*
- 12:20 – 12:30Question and Answer Session  
*Faculty*

**12:30 – 1:30 Lunch on Your Own**

- 1:30 – 2:15Brain Neoplasms: Advanced Imaging  
*Lawrence N. Tanenbaum, M.D., FACR*

**SAM Session**

- 2:15 – 2:45Dementia Imaging: Multimodal Clinical Cases  
*Suzie Bash, M.D.*
- 2:45 – 3:30Imaging of Traumatic Brain Injury  
*Max Wintermark, M.D., MAS, MBA*

- 3:30 – 3:45Question and Answer Session  
*Faculty*

**3:45 – 4:00 Coffee Break for Registrants**

- 4:00 – 4:30PET/MRI in Neuroimaging  
*Suzie Bash, M.D.*
- 4:30 – 5:15Recent Advances in Epilepsy Imaging  
*J. Pablo Villablanca, M.D., FACR*
- 5:15 – 5:30Question and Answer Session  
*Faculty*

**5:30 End of Session**

## Friday, October 15, 2021

**7:30 – 8:00 AM Continental Breakfast for Registrants**

8:00 – 8:40 Imaging Carotid Artery Disease  
*Max Wintermark, M.D., MAS, MBA*

8:40 – 9:20 Challenging Skull Base Cases  
*William J. Garvis, M.D.*

9:20 – 10:00 Diagnostic Pitfalls in Neuroimaging  
*Blake A. Johnson, M.D., FACR*

10:00 – 10:15 Question and Answer Session  
*Faculty*

**10:15 – 10:30 Coffee Break for Registrants**

10:30 – 11:00 Artificial Intelligence: Neuroimaging 2.0  
*Suzie Bash, M.D.*

11:00 – 11:45 Updates in Stroke Imaging  
*Max Wintermark, M.D., MAS, MBA*

11:45 – 12:30 PM Multimodal Evaluation of Atraumatic Intracranial Hemorrhage  
*J. Pablo Villablanca, M.D., FACR*

**12:30 – 1:30 Lunch on Your Own**

1:30 – 2:10 Perfusion Imaging: Techniques & Pitfalls  
*Max Wintermark, M.D., MAS, MBA*

**SAM Session**

2:10 – 2:50 Advances in Ultra-High Field MRI  
*J. Pablo Villablanca, M.D., FACR*

2:50 – 3:30 Spontaneous Intracranial Hypotension: Diagnosis and Treatment  
*Jeffrey S. Ross, M.D.*

3:30 – 3:45 Question and Answer Session  
*Faculty*

**3:45 – 4:00 Coffee Break for Registrants**

4:00 – 4:40 Inflammatory and Infectious Disorders of the Spine  
*Erik H. Gaensler, M.D.*

4:40 – 5:15 Imaging the Instrumented Spine: Image Optimization  
*Lawrence N. Tanenbaum, M.D., FACR*

5:15 – 5:30 Question and Answer Session  
*Faculty*

**5:30 End of Session**

## Saturday, October 16, 2021

**7:30 – 8:00 AM Continental Breakfast for Registrants**

8:00 – 8:40 Applications of Artificial Intelligence in Spine Imaging  
*Lawrence N. Tanenbaum, M.D., FACR*

8:40 – 9:10 Imaging Spine Neoplasms  
*Erik H. Gaensler, M.D.*

9:10 – 9:45 New Concepts in Spine and Brain Intervention  
*Blake A. Johnson, M.D., FACR*

**9:45 – 10:00 Coffee Break for Registrants**

10:00 – 10:40 The CVJ: Degenerative, Tumor and Infection  
*Jeffrey S. Ross, M.D.*

10:40 – 11:20 Clearing the Injured Spine Using MR & CT  
*J. Pablo Villablanca, M.D., FACR*

11:20 – 12:00 PM Case Based Spine Review  
*Jeffrey S. Ross, M.D.*

12:00 – 12:15 Question and Answer Session  
*Faculty*

**12:15 End of Program**

## Meeting Registration Form:

PRODUCT ID: NRCP21

14<sup>th</sup> Annual

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### TUITION

Check Meeting Registration Below (Includes Electronic Color Syllabus):

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**Please Select One:**

☐ Live Meeting ☐ Live Webcast

☐ **ADD Printed Color Syllabus \$95**  
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*\*Must Enclose or Fax Letter From Your Director Certifying Status.*

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**ADA COMPLIANCE:** 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.

### 4 EASY WAYS TO REGISTER

We Accept



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