

# MR & CT Advanced Imaging and Artificial Intelligence

February 21 – 26, 2021

Vail Marriott Mountain Resort • Vail, Colorado



## JOIN US IN VAIL OR LIVE WEBCAST

Registered attendees have access to the archived lectures for 6 months.

**TO REGISTER AND DOWNLOAD THE REGISTRATION FORM**  
search product code **VMRCT21**  
on [www.edusymp.com](http://www.edusymp.com)

**Physicians ..... \$1,195**  
**Allied Health ..... \$825**  
**50% OFF** for Fellows & Residents

### ABOUT THE MEETING

This symposium provides a cutting-edge approach to the clinical applications of MRI and CT with a primer in machine learning and artificial intelligence technology. A wide range of topics review basic to advanced clinical applications as well as integrating new innovative technologies into your clinical practice. Faculty share tips and techniques used to overcome challenges associated when adapting newer technologies into clinical practice. Lectures with integrated workstation case reviews demonstrate modern image display and basic post processing applications. Emphasis of this meeting is on the practical and clinical uses of newer technologies and adapting them into your clinical practice. Faculty members have been selected for their teaching ability, as well as their expertise.

### TARGET AUDIENCE

This CME activity is primarily intended and designed to educate diagnostic imaging physicians who perform and interpret MRI and CT examinations. It should also be useful in educating referring physicians who order MRI and CT procedures, as well as radiologic technologists.

### 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 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:

- Optimize MR and CT imaging protocols.
- Differentiate normal from abnormal MR and CT findings of a variety of disorders.
- More accurately assess neurological disorders using MR and CT.
- Explain the clinical indications and applications of machine learning and artificial intelligence.
- Discuss how innovative technologies are changing and improving the quality of healthcare.

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

### REGISTRATION & CANCELLATION INFORMATION

Early registration is strongly suggested as capacity may be limited. We will accept registrations on a first-come basis due to possible restriction on the number of registrants able to attend this course in person. Should you register to attend the meeting in-person and the meeting is not able to proceed as a live event, you will have the option to participate in the virtual meeting, receive a tuition credit, or a full refund.

## Vail Marriott Mountain Resort

### SPACE IS LIMITED - RESERVE TODAY

Visit [www.edusymp.com](http://www.edusymp.com) and search **VMRCT21** to visit the accommodations page for additional hotel information.

Call for Reservations: (877) 622-3140 and identify yourself as a registrant of "The 21<sup>st</sup> Annual Vail 2021: MR & CT Advanced Imaging and Artificial Intelligence". Call Professional Travel at 813 806-1050 for further assistance.

Online booking link will be provided on: [www.edusymp.com](http://www.edusymp.com)

**Group Room Rates Start at..... \$408.00/nt.**  
**Hotel cut-off date: January 19, 2021**

**Group Condo Rates Start At..... \$501.00/nt.**  
(Limited Availability)

**Condo cut-off date: January 19, 2021**

Call Professional Travel for group rate off site condo reservations: (813) 806-1050

**Antlers Off site Condo Rates Start At..... \$420.00/nt.**  
**Condo group rates increase after December 31, 2020**

**Montaneros Off site Condo Rates Start At.. \$638.00/nt.**  
**Condo group rates increase after December 31, 2020**

**Hotel Tax:** 9.8% • **Resort Fee:** \$20 Daily

**Room Preference:** King bed/Two double beds  
(upon availability)- Smoke Free Property

**Registered Guest Valet Parking** is \$40 per day. Parking charges are subject to change on an annual basis. These prices are applied on a per car basis and based on a 24 hr. cycle with in/out privileges.

**DEPOSIT POLICY:** All hotel reservation requests will require a credit card guarantee to confirm. Full payment of room and tax will be charged on the cut-off date of January 19, 2021.

**CANCELLATION POLICY:** Reservations cancelled after January 19, 2021 is fully nonrefundable. No-shows are considered guaranteed bookings and will be charged the entire length of stay. Any no-show reservations will be cancelled for all remaining room nights. Early departures will forfeit the remaining room night's room changes. Check in time is: 4:00 PM; Check out time is: 11:00 AM.

**HOTEL:** 715 West Lionshead Circle  
Vail, Colorado 81657

**PH:** (970) 476-4444

**SCIENTIFIC SPONSOR:** Educational Symposia

**COURSE ORGANIZATION:** This program is planned and organized by Educational Symposia, a leader in accredited continue 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.

## FACULTY

Program Director:

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

**Melany B. Atkins, M.D.**

Director of Cardiac Imaging, Fairfax Radiological Consultants  
Medical Director Advanced Cardiac Imaging, Inova Health System  
Medical Director Fairfax MRI Center  
Fairfax, VA

**John V. Crues, III, M.D.**

Medical and MRI Fellowship Director  
RadNet, Inc.  
Board Member, Turner Imaging  
Los Angeles, CA

**Reade DeLeacy, M.D., MBBS (Hons)  
FRANZCR**

Assistant Professor of Neurosurgery and Radiology  
Director of Neurointerventional Spine  
Program Co-Director Neuroendovascular Surgery Fellowship  
Department of Neurosurgery  
Cerebrovascular Center  
New York, NY

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

National Medical Director  
Director of Regenerative Medicine  
Center for Diagnostic Imaging  
Minneapolis, MN

**Neil M. Rofsky, M.D., MHA, FACR**

Professor and Chairman  
Effie and Wofford Cain Distinguished Chair in Diagnostic Imaging  
Department of Radiology  
UT Southwestern Medical Center  
Dallas, TX

**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

**Bachir Taouli, M.D., MHA**

Professor of Radiology  
Director of Body MRI and Cancer Imaging Program  
Vice-chair of Translational Research  
Department of Diagnostic, Molecular and Interventional Radiology  
BioMedical Engineering and Imaging  
Institute Icahn School of Medicine at Mount Sinai, New York  
New York, NY

**J. Pablo Villablanca, M.D., FACR**

Professor of Diagnostic Neuroradiology  
Medical Director of MRI  
Director, Interventional Spine Service  
David Geffen School of Medicine at UCLA  
Los Angeles, CA

## PROGRAM

**Sunday, February 21, 2021**

**5:00 – 6:00 PM Registration**

**Monday, February 22, 2021**

**7:00 – 7:30 AM Registration & Breakfast  
for Registrants**

7:30 – 8:10

AI in Neuroimaging  
*Lawrence N. Tanenbaum, M.D., FACR*

8:10 – 8:50

Imaging Intracranial Hemorrhage  
*Blake A. Johnson, M.D., FACR*

8:50 – 9:30

Stroke Trials Update: Pushing the Limits, Low NIHSS, Large Core and Straight to Angio  
*Reade DeLeacy, M.D., MBBS (Hons)  
FRANZCR*

9:30 – 9:45

Question and Answer Session  
*Faculty*

**9:45 End of Session**

**4:00 – 4:30 PM Break for Registrants**

4:30 – 5:00

The Impact of MRI in Understanding Pathophysiology and Treatment of Musculoskeletal Diseases  
*John V. Crues, III, M.D.*

5:00 – 5:30

Advanced Cardiac CT Imaging  
*Melany B. Atkins, M.D.*

5:30 – 6:00

Intracranial Metastatic Disease  
*Blake A. Johnson, M.D., FACR*

6:00 – 6:30

Multimodal CT and MR in the Evaluation of Non-Aneurysmal, Nontraumatic Intracranial Hemorrhage  
*J. Pablo Villablanca, M.D., FACR*

6:30 – 6:45

Question and Answer Session  
*Faculty*

**6:45 End of Session**

**Tuesday, February 23, 2021**

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

7:30 – 8:10

AI in Imaging Reconstruction  
*Lawrence N. Tanenbaum, M.D., FACR*

8:10 – 8:45

Next Generation and Beyond; What's in Store for Intracranial Aneurysm Treatment  
*Reade DeLeacy, M.D., MBBS (Hons)  
FRANZCR*

8:45 – 9:15

Stress Cardiac MRI  
*Melany B. Atkins, M.D.*

9:15 – 9:45

Update on MRI of the Knee  
*John V. Crues, III, M.D.*

**9:45 End of Session**

**4:00 – 4:30 PM Break for Registrants**

4:30 – 5:05

MR of the Sella Turcica and Parasellar Region  
*Blake A. Johnson, M.D., FACR*

5:05 – 5:35

Clearing the Injured Spine using CT & MRI  
*J. Pablo Villablanca, M.D., FACR*

### SAM SESSION

5:35 – 6:05

AI in Cardiac Imaging  
*Melany B. Atkins, M.D.*

6:05 – 6:35

MRI in Rheumatologic Diseases  
*John V. Crues, III, M.D.*

6:35 – 6:45

Question and Answer Session  
*Faculty*

**6:45 End of Session**

**Wednesday, February 24, 2021**

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

7:30 – 8:00

Imaging Evaluation of the Spine  
*Blake A. Johnson, M.D., FACR*

8:00 – 8:30

The Neurointerventionalist and Degenerative Spine Disease: New Avenues for Therapy  
*Reade DeLeacy, M.D., MBBS (Hons)  
FRANZCR*

**Wednesday, February 24, 2021 (Continued)**

8:30 – 9:00

AI in Spine Imaging: Clinical Applications  
*J. Pablo Villablanca, M.D., FACR*

9:00 – 9:30

MR Enterography in IBD  
*Bachir Taouli, M.D., MHA*

9:30 – 9:45

Question and Answer Session  
*Faculty*

**9:45 End of Session**

**4:00 – 4:30 PM Break for Registrants**

4:30 – 5:10

MRI of the Shoulder Update  
*John V. Crues, III, M.D.*

5:10 – 5:40

The COVID Journey - Lessons Learned  
*Neil M. Rofsky, M.D., MHA, FACR*

5:40 – 6:20

How Can AI Help the Neurointerventionalist and Their Patients  
*Reade DeLeacy, M.D., MBBS (Hons)  
FRANZCR*

6:20 – 6:30

Question and Answer Session  
*Faculty*

**6:30 End of Session**

**Thursday, February 25, 2021**

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

7:30 – 8:05

MR Safety Update  
*Lawrence N. Tanenbaum, M.D., FACR*

8:05 – 8:35

Hip & Pelvic Pain – Common Causes & Minimally Invasive Treatments  
*J. Pablo Villablanca, M.D., FACR*

8:35 – 9:05

HCC and Cholangiocarcinoma  
*Bachir Taouli, M.D., MHA*

9:05 – 9:35

Addressing Pancreatic Cysts in Practice  
*Neil M. Rofsky, M.D., MHA, FACR*

9:35 – 9:45

Question and Answer Session  
*Faculty*

**9:45 End of Session**

**4:00 – 4:30 PM Break for Registrants**

4:30 – 5:10

AI for Body Imaging: So What?  
*Neil M. Rofsky, M.D., MHA, FACR*

5:10 – 5:50

Pancreatic Cancer Response  
*Bachir Taouli, M.D., MHA*

5:50 – 6:30

New Developments in Body MR Imaging  
*Melany A. Atkins, M.D.*

6:30 – 6:45

Question and Answer Session  
*Faculty*

**6:45 End of Session**

**Friday, February 26, 2021**

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

### SAM SESSION

7:30 – 8:10

Rectal Cancer Staging  
*Bachir Taouli, M.D., MHA*

8:10 – 8:50

Multiparametric Prostate MRI  
*Neil M. Rofsky, M.D., MHA, FACR*

8:50 – 9:30

Radiomics and AI Applications in Liver Imaging  
*Bachir Taouli, M.D., MHA*

9:30 – 9:45

Question and Answer Session  
*Faculty*

**9:45 End of Course**

Faculty & topics subject to change.

## 4 EASY WAYS TO REGISTER

We Accept



**INTERNET**

[www.edusymp.com](http://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

# Meeting Registration Form:

21<sup>st</sup> Annual | Vail 2021:

## MR & CT Advanced Imaging and Artificial Intelligence

February 21 – 26, 2021 • Vail Marriott Mountain Resort & Spa • Vail, Colorado

REGISTER ONLINE: <a href="http://WWW.EDUSYMP.COM">WWW.EDUSYMP.COM</a>		TUITION: LIVE MEETING	TUITION: LIVE WEBCAST
Attendance is limited; therefore, early registration is strongly suggested.		PRODUCT ID: VMRCT21	PRODUCT ID: VMRCTW21
		Check Meeting Registration below: <b>INCLUDES ELECTRONIC COLOR SYLLABUS</b>	Please check your selection below: <b>INCLUDES ELECTRONIC COLOR SYLLABUS ONLY</b>
<input type="checkbox"/> Physicians <input type="checkbox"/> Scientists <input type="checkbox"/> Company Personnel	<input type="checkbox"/> \$1,195	<input type="checkbox"/> ADD Printed Color Syllabus \$95  <i>Advanced Purchase Only</i>	<input type="checkbox"/> \$1,195
<b>50% OFF</b> <input type="checkbox"/> Fellows / Residents*	<input type="checkbox"/> \$597		<input type="checkbox"/> \$597
<input type="checkbox"/> Full Time Military* <input type="checkbox"/> Technologists <input type="checkbox"/> VA Physicians* <input type="checkbox"/> Sonographers <input type="checkbox"/> P.A./R.A. <input type="checkbox"/> Retired Physicians	<input type="checkbox"/> \$825	<input type="checkbox"/> ADD Printed Color Syllabus \$95  <i>Advanced Purchase Only</i>	<input type="checkbox"/> \$825

*\*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)

Card Number Exp. Date Security Code

Billing Address City / State / Zip / Country

Cardholder Signature