

19th Annual | **Vail 2019:**

MR & CT Advanced Imaging and Artificial Intelligence

February 3 – 8, 2019 • Vail Marriott Mountain Resort & Spa • Vail, CO

20.0 *AMA PRA Category 1 Credit(s)™*

The 7th | **Snowmass 2019:**

Hot Topics in Radiology: Advanced Applications and Artificial Intelligence

February 10 – 15, 2019 • The Westin Snowmass Resort • Snowmass, CO

17.5 *AMA PRA Category 1 Credit(s)™*

SAM Credit Available

ESI Educational Symposia

ACCME ACCREDITED WITH COMMENDATION

19th Annual | **Vail 2019:**

MR & CT Advanced Imaging and Artificial Intelligence



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.

Integrated Workstation Case Reviews will be presented using Vital Images advanced visualization software.

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)™*. 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:

- 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.

Course Organization

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

Acknowledgement

Educational Symposia gratefully acknowledges the following corporate supporters:

- **Enlitic**
- **Vital Images, Inc.**

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

Family Meal Plan

We invite those accompanying you to the meeting to participate in the Family Meal Plan. Sign up for the Family Meal Plan during registration on-site at the meeting registration desk.

Lift Tickets/Ski Rentals

Order your deeply discounted Lift Tickets and Ski Rentals at www.edusymp.com or call Professional Travel at (813) 806-1050.

Cancellations

Cancellations must be received in writing. A $50 processing fee will be applied to all cancellations. Refunds requested in writing prior to January 5, 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.

Registration Information

Tuition for live conference includes all course materials, an electronic color course syllabus (printed color syllabus available for $95, advanced purchase only), a welcome reception, daily breakfasts and après-ski breaks Monday through Thursday. Early registration is strongly suggested. There will be a $100 surcharge for anyone registering after January 25, 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 January 25, 2019.

Please note: A minimum number of registrants is required to live webcast this course. If the minimum number is not met by January 5, 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.

Vail Marriott Mountain Resort

SPACE IS LIMITED - RESERVE TODAY

Visit www.edusymp.com and search VMRCT19 to visit the accommodations page for additional hotel information.

Call Reservations at: 877-622-3140 and identify yourself as a registrant of "**New Advances MRCT**" to receive the group discount.



Group Room Rates Start At ..... $392.00/nt.
Hotel cut-off date: January 2, 2019

Condo Rates Start At (Limited Availability)..... $575.00/nt.
Condo cut-off date: January 2, 2019

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

Off site Condo Rates Start At..... $388.00/nt.
Condo group rates increase after December 31, 2018

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 $50 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 2, 2019.

Cancellation Policy: Reservations cancelled after January 2, 2019 will forfeit the deposit for all nights reserved. 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 **Phone:** 970-476-4444
Vail, Colorado 81657

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19th Annual | **Vail 2019:**

MR & CT Advanced Imaging and Artificial Intelligence

Faculty

Program Director:
Lawrence N. Tanenbaum, M.D., FACR

Jan Fritz, M.D., P.D., D.A.B.R.
Assistant Professor of Radiology and Radiological Science
Musculoskeletal Radiology
Johns Hopkins University School of Medicine
Baltimore, MD

Blake A. Johnson, M.D., FACR
Medical Director
Center for Diagnostic Imaging
Minneapolis, MN

Elizabeth A. Morris, M.D., FACR, FSBI, FISMRM
Chief, Breast Imaging Service
Larry Norton Endowed Chair, Memorial Sloan Kettering Cancer Center
Professor of Radiology, Weill Cornell Medical Center
Breast and Imaging Center
New York, NY

Neil M. Rofsky, M.D., FACR
Professor and Chairman
Effie and Wofford Cain Distinguished Chair in Diagnostic Imaging
Department of Radiology
UT Southwestern Medical Center
Dallas, TX

Eliot L. Siegel, M.D., FACR, FSIIM
Chief of Radiology and Nuclear Medicine
VA Maryland Health Care System
Vice Chairman Information Systems
University of Maryland School of Medicine
Department of Diagnostic Radiology
Adjunct Professor Computer Science
University of Maryland Baltimore Country
Adjunct Professor
Biomedical Engineering University of Maryland College Park
Baltimore, MD

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

Bachir Taouli, M.D.
Professor of Radiology
Vice-chair of Translational Research
Director of Body MRI
Director of Cancer Imaging Program
Department of Radiology and Translational and Molecular Imaging
Institute Icahn School of Medicine at Mount Sinai, New York
New York, NY

Chip Truwit, M.D., FACR
Chief Innovation Officer, Upstream Health Innovations
Chief of Radiology, Hennepin Healthcare
Professor of Radiology (Emeritus)
University of Minnesota School of Medicine
Minneapolis, MN

Program

SUNDAY, FEBRUARY 3, 2019

3:00 – 4:00 PM	**Registration**
4:00 – 7:00	**Super Bowl Party/ Welcome Reception**

MONDAY, FEBRUARY 4, 2019

7:00 – 7:30 AM	**Breakfast for Registrants & Meal Plan Participants**
7:30 – 8:10	AI in Healthcare *Lawrence N. Tanenbaum, M.D., FACR*
8:10 – 8:50	Approach to Renal Lesion Characterization *Bachir Taouli, M.D.*
8:50 – 9:30	Elbow MRI *Jan Fritz, M.D., P.D., D.A.B.R.*
9:30 – 9:45	Question and Answer Session *Faculty*
9:45	**End of Session**
4:00 – 4:30 PM	**Après Ski Break for Registrants & Meal Plan Participants**
4:30 – 5:10	Breast MRI Interpretation *Elizabeth A. Morris, M.D., FACR, FSBI, FISMRM*
5:10 – 5:50	New & Proven Techniques for Rapid Musculoskeletal MRI *Jan Fritz, M.D., P.D., D.A.B.R.*
5:50 – 6:30	MR Enterography in IBD *Bachir Taouli, M.D.*
6:30 – 6:45	Question and Answer Session *Faculty*
6:45	**End of Session**

TUESDAY, FEBRUARY 5, 2019

7:00 – 7:30 AM	**Breakfast for Registrants & Meal Plan Participants**
7:30 – 8:10	MR Contrast Media Safety Update *Lawrence N. Tanenbaum, M.D., FACR*
8:10 – 8:45	Multi-Detector CTA of Extremity Trauma - *With Workstation Case Review* *Jan Fritz, M.D., P.D., D.A.B.R.*
8:45 – 9:15	Breast MRI BI-RADS Update *Elizabeth A. Morris, M.D., FACR, FSBI, FISMRM*
9:15 – 9:45	HCC and Cholangiocarcimoma *Bachir Taouli, M.D.*
9:45	**End of Session**

TUESDAY, FEBRUARY 5, 2019 (Continued)

4:00 – 4:30 PM	**Après Ski Break for Registrants & Meal Plan Participants**
4:30 – 5:00	AI Machine Learning: Introduction *Eliot L. Siegel, M.D., FACR, FSIIM*

SAM SESSION

5:00 – 5:30	Metal Artifacts in MRI: Practical Problem Solving *Jan Fritz, M.D., P.D., D.A.B.R.*
5:30 – 6:00	High Risk Breast Screening with MRI *Elizabeth A. Morris, M.D., FACR, FSBI, FISMRM*
6:00 – 6:30	MR of Intracranial Aneurysm - *With Workstation Case Review* *Chip Truwit, M.D., FACR*
6:30 – 6:45	Question and Answer Session *Faculty*
6:45	**End of Session**

WEDNESDAY, FEBRUARY 6, 2019

7:00 – 7:30 AM	**Breakfast for Registrants & Meal Plan Participants**
7:30 – 8:10	Updates in Neuro CT *Lawrence N. Tanenbaum, M.D., FACR*
8:10 – 8:50	Advancement in Breast MRI: What is on the Horizon *Elizabeth A. Morris, M.D., FACR, FSBI, FISMRM*
8:50 – 9:30	MR of CNS Infection *Chip Truwit, M.D., FACR*
9:30 – 9:45	Question and Answer Session *Faculty*
9:45	**End of Session**
4:00 – 4:30 PM	**Après Ski Break for Registrants & Meal Plan Participants**
4:30 – 5:10	MRI of Skull Based Tumors *Blake A. Johnson, M.D., FACR*
5:10 – 5:45	Neuroimaging of Stroke - *With Workstation Case Review* *Chip Truwit, M.D., FACR*
5:45 – 6:20	Multiparmetric Prostate MRI *Neil M. Rofsky, M.D., FACR*
6:20 – 6:30	Question and Answer Session *Faculty*
6:30	**End of Session**

THURSDAY, FEBRUARY 7, 2019

7:00 – 7:30 AM	**Breakfast for Registrants & Meal Plan Participants**
7:30 – 8:00	Imaging of Cranial Nerves I *Blake A. Johnson, M.D., FACR*
8:00 – 8:30	AI Machine Learning: Hype, Hope and Reality *Eliot L. Siegel, M.D., FACR, FSIIM*
8:30 – 9:00	CTA of Carotid Disease *Chip Truwit, M.D., FACR*
9:00 – 9:30	Body DWI: Current Status *Bachir Taouli, M.D.*
9:30 – 9:45	Question and Answer Session *Faculty*
9:45	**End of Session**
4:00 – 4:30 PM	**Après Ski Break for Registrants & Meal Plan Participants**
4:30 – 5:10	Imaging of the Cranial Nerves II *Blake A. Johnson, M.D., FACR*
5:10 – 5:50	Augmented Reality/Virtual Reality Applications in DI *Eliot L. Siegel, M.D., FACR, FSIIM*
5:50 – 6:30	Making MRI More Efficient and Profitable *Neil M. Rofsky, M.D., FACR*
6:30 – 6:45	Question and Answer Session *Faculty*
6:45	**End of Session**

FRIDAY, FEBRUARY 8, 2019

7:00 – 7:30 AM	**Breakfast for Registrants & Meal Plan Participants**
7:30 – 8:10	Diagnostic Pitfalls in Neuroradiology *Blake A. Johnson, M.D., FACR*
8:10 – 8:50	Medicolegal Aspects Associated with the Era of Digital Imaging and Personalized Medicine *Eliot L. Siegel, M.D., FACR, FSIIM*
8:50 – 9:30	Radiology in a Value Based World *Neil M. Rofsky, M.D., FACR*
9:30 – 9:45	Question and Answer Session *Faculty*
9:45	**End of Course**

Faculty & topics subject to change.

The 7th | **Snowmass 2019:**

Hot Topics in Radiology: Advanced Applications and Artificial Intelligence



About The Meeting

This symposium is designed to provide an update on a variety of new cutting-edge developments in diagnostic imaging and intervention. Topics include new techniques and practical applications of MRI and CT with a primer on artificial intelligence and machine learning. Emphasis of this meeting is on the practical clinical uses of new technologies and their impact on the future of radiology 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 imaging examinations. The content will be beneficial to Neurologists, Emergency Medicine Physicians and General Practitioners who order or integrate imaging information into practice management.

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 17.5 *AMA PRA Category 1 Credit(s)™*. 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 new cutting-edge applications of MRI and CT imaging.
- Compare the utility of MRI and CT in the evaluation of various musculoskeletal, neuro and cardiovascular applications.
- Discuss the utility of MRI and CT in the workup of spine disease and intervention.
- Discuss the clinical indications and applications of artificial intelligence and medicine.
- Discuss the impact of artificial intelligence and machine learning in radiology.

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 gratefully acknowledges the following corporate supporters:

- **Enlitic**
- **Hitachi Healthcare Americas**

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

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Lift Tickets/Ski Rentals
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Cancellations
Cancellations must be received in writing. A $50 processing fee will be applied to all cancellations. Refunds requested in writing prior to January 12, 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.

Registration Information
Tuition for live conference includes all course materials, an electronic color course syllabus (printed color syllabus available for $95, advanced purchase only), a welcome reception and daily breakfasts. Early registration is strongly suggested. There will be a $100 surcharge for anyone registering after February 1, 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 February 1, 2019.

Please note: A minimum number of registrants is required to live webcast this course. If the minimum number is not met by January 12, 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.

Westin Snowmass Resort

SPACE IS LIMITED - RESERVE TODAY

Visit www.edusymp.com and search SHT19 to visit the accommodations page. Call and identify yourself as a registrant of "ESI Hot Topics/PATH".

Westin Snowmass Resort: (800) 525-9402 or (970) 923-8200

Westin Central Reservation Office: (800) 937-8461
Wildwood Snowmass: (970) 923-8200



Wildwood Snowmass Guest Room Rates Start At.....$189.00/nt.
Westin Guest Room Rates Start At.....$359.00/nt.
HOTEL CUT-OFF DATE: January 10, 2019

Call Professional Travel for offsite condo reservations: (813) 806-1050

Offsite Condo Rates Start At.....$199.00/nt.
Condo group rates increase after January 10, 2019

Wildwood Snowmass Resort Fee:
$10 per day + 10.4% Tax • Room Tax: 12.8%

Westin Snowmass Resort Fee:
$15 per day + 10.4% Tax • Room Tax: 12.8%

Room Preference:
Single/Double (upon availability) - Smoke Free Property

The Westin Snowmass Resort:
100 Elbert Lane • Snowmass, Colorado 81615 PH: 970-923-8200

Westin Snowmass Deposit / Cancellation Policy: A credit card is required to hold each guest's reservation. A deposit equal to the full value of the reservation (room rate + resort fee plus tax) will be charged 30 days prior to arrival. Such credit card shall serve to confirm the reservation for the dates indicated, and may be used as the Guest's method of payment. No cancellation penalty if cancellation is received by Hotel at least 30 days prior to arrival and a cancellation number is obtained. Cancellations made within 30 days of arrival will be subject to full forfeiture of room and tax charge. Check in time is: 4:00 PM; check out time is: 11:00 AM.

Wildwood Snowmass Deposit / Cancellation Policy: A credit card is required to hold each guest's reservation. A deposit equal to the full value of the reservation (room rate + resort fee plus tax) will be charged 14 days prior to arrival. Such credit card shall serve to confirm the reservation for the dates indicated, and may be used as the Guest's method of payment. No cancellation penalty if cancellation is received by Hotel at least 14 days prior to arrival and a cancellation number is obtained. Cancellations made within 14 days of arrival will be subject to full forfeiture of room and tax charge. Check in time is: 4:00 PM; check out time is: 11:00 AM.

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The 7th | **Snowmass 2019:**

Hot Topics in Radiology: Advanced Applications and Artificial Intelligence

Faculty

Program Director:
Lawrence N. Tanenbaum, M.D., FACR

John F. Feller, M.D.
Medical Director
Desert Medical Imaging
Indian Wells, CA
Assistant Clinical Professor of Radiology
Loma Linda University School of Medicine
Loma Linda, CA

Thomas M. Grist, M.D., FACR
John H. Juhl Professor of Radiology,
Medical Physics and Bioengineering
Chairman, Department of Radiology
University of Wisconsin-Madison School of Medicine and Public Health
Madison, WI

Blake A. Johnson, M.D., FACR
Medical Director
Center for Diagnostic Imaging
Minneapolis, MN

Neil M. Rofsky, M.D., FACR
Professor and Chairman
Effie and Wofford Cain Distinguished Chair in Diagnostic Imaging
Department of Radiology
UT Southwestern Medical Center
Dallas, TX

Eliot L. Siegel, M.D., FACR, FSIIM
Chief of Radiology and Nuclear Medicine
VA Maryland Health Care System
Vice Chairman Information Systems
University of Maryland School of Medicine
Department of Diagnostic Radiology
Adjunct Professor Computer Science
University of Maryland Baltimore Country
Adjunct Professor
Biomedical Engineering University of Maryland College Park
Baltimore, MD

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

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

Eric E. Williamson, M.D.
Consultant & Chair
Division of Cardiovascular Radiology
Department of Radiology
Mayo Clinic
Associate Professor of Radiology
Mayo Clinic College of Medicine
Rochester, MN

Program

SUNDAY, FEBRUARY 10, 2019

5:00 - 6:00 PM	**Registration and Welcome Reception**

MONDAY, FEBRUARY 11, 2019

6:15 – 6:45 AM	**Breakfast for Registrants & Meal Plan Participants**
6:45 – 7:25	Introduction to AI in Healthcare and Imaging *Lawrence N. Tanenbaum, M.D., FACR*
7:25 – 8:05	Traumatic Head Injury *Blake A. Johnson, M.D., FACR*
8:05 – 8:45	Multimodal CT and MR in the Evaluation of Non-Aneurysmal, Nontraumatic Intracranial Hemorrhage *J. Pablo Villablanca, M.D., FACR*
8:45 – 9:00	**Coffee Break for Registrants**
9:00 – 9:35	AI Machine Learning: Hype, Hope and Reality *Eliot L. Siegel, M.D., FACR, FSIIM*
9:35 – 10:15	Strategy 101: Towards Better Decisions Part 1 *Neil M. Rofsky, M.D., FACR*
10:15 – 10:30	Question and Answer Session *Faculty*
10:30	**End of Session**

TUESDAY, FEBRUARY 12, 2019

6:15 – 6:45 AM	**Breakfast for Registrants & Meal Plan Participants**
6:45 – 7:25	Quality, Efficiency and Survival with Patient Centric Imaging *Lawrence N. Tanenbaum, M.D., FACR*
7:25 – 8:05	Strategy 101: Towards Better Decisions Part 2 *Neil M. Rofsky, M.D., FACR*
8:05 – 8:45	Radiology Reading Room Design: Saving Body and Mind *Eliot L. Siegel, M.D., FACR, FSIIM*
8:45 – 9:00	**Coffee Break for Registrants**
9:00 – 9:35	Advanced Imaging for Evaluation of Cervical Spondylotic Myelopathy *J. Pablo Villablanca, M.D., FACR*
9:35 – 10:15	Medicolegal Aspects of Digital Imaging *Eliot L. Siegel, M.D., FACR, FSIIM*
10:15 – 10:30	Question and Answer Session *Faculty*
10:30	**End of Session**

WEDNESDAY, FEBRUARY 13, 2019

6:15 – 6:45 AM	**Breakfast for Registrants & Meal Plan Participants**
6:45 – 7:25	MR Safety Update *Lawrence N. Tanenbaum, M.D., FACR*
7:25 – 8:05	Intracranial Tumors and Tumor Mimics *Blake A. Johnson, M.D., FACR*
8:05 – 8:45	Coaching as a Leadership Style *Neil M. Rofsky, M.D., FACR*
8:45 – 9:00	**Coffee Break for Registrants**
9:00 – 9:35	Non-Contrast MRA: Back to the Future *Thomas M. Grist, M.D., FACR*
9:35 – 10:15	Advances in Ultra High-Field MRI: Clinical Opportunities and Challenges *J. Pablo Villablanca, M.D., FACR*
10:15 – 10:30	Question and Answer Session *Faculty*
10:30	**End of Session**

THURSDAY, FEBRUARY 14, 2019

6:15 – 6:45 AM	**Breakfast for Registrants & Meal Plan Participants**
SAM SESSION	
6:45 – 7:15	Introduction to Cardiac MRI *Eric E. Williamson, M.D.*
7:15 – 7:45	MR of Pulmonary Embolic Disease *Thomas M. Grist, M.D., FACR*
7:45 – 8:15	Multiparametric MRI of the Prostate: Beyond Prostate Cancer What Else Do We See? *John F. Feller, M.D.*
8:15 – 8:45	Contrast Induced Nephropathy *Eric E. Williamson, M.D.*
8:45 – 9:00	**Coffee Break for Registrants**
9:00 – 9:35	MRI of Myocardial Ischemic Disease *Eric E. Williamson, M.D.*
9:35 – 10:15	Automated MR Imaging of the Musculoskeletal System *John F. Feller, M.D.*
10:15 – 10:30	Question and Answer Session *Faculty*
10:30	**End of Session**

FRIDAY, FEBRUARY 15, 2019

6:15 – 6:45 AM	**Breakfast for Registrants & Meal Plan Participants**
6:45 – 7:25	Basics of Cardiac CTA *Eric E. Williamson, M.D.*
7:25 – 8:00	MR Venography *Thomas M. Grist, M.D., FACR*
8:00 – 8:35	MRI of the Shoulder *John F. Feller, M.D.*
8:35 – 8:45	Question and Answer Session *Faculty*
8:45 – 9:00	**Coffee Break for Registrants**
9:00 – 9:40	MR/PET: Powerful Tool or Hammer Looking for a Nail? *Thomas M. Grist, M.D., FACR*
9:40 – 10:15	MRI of the Hip *John F. Feller, M.D.*
10:15 – 10:30	Question and Answer Session *Faculty*
10:30	**End of Course**

Faculty & topics subject to change.

Meeting Registration Form:

19th Annual | **Vail 2019: MR & CT Advanced Imaging**
February 3 – 8, 2019 • Vail Marriott Mountain Resort & Spa • Vail, CO

VMRCT19

The 7th | **Snowmass 2019: Hot Topics in Radiology**
February 10 – 15, 2019 • The Westin Snowmass Resort • Snowmass, CO

SHT19

50% OFF FULL TUITION FOR FELLOWS & RESIDENTS • 1ST 10 ACTIVE DUTY MILITARY PERSONNEL FREE

REGISTER ONLINE: WWW.EDUSYMP.COM
Attendance is limited; therefore, early registration is strongly suggested.

		TUITION: LIVE MEETING Check Meeting Registration below: INCLUDES ELECTRONIC COLOR SYLLABUS			TUITION: LIVE WEBCAST Please check your selection below: INCLUDES ELECTRONIC COLOR SYLLABUS	
		On or Before 1/25/19	After 1/25/19		On or Before 1/25/19	After 1/25/19
❑ Physicians ❑ Scientists ❑ Company Personnel	**MR & CT Advanced Imaging** February 3 – 8, 2019	❑ $1,150	❑ $1,250	❑ **ADD** Printed Color Syllabus $95	❑ $1,150	❑ $1,250
	Hot Topics in Radiology February 10 – 15, 2019	On or Before 2/1/19 ❑ $1,150	After 2/1/19 ❑ $1,250		On or Before 2/1/19 ❑ $1,150	After 2/1/19 ❑ $1,250
❑ Full Time Military* ❑ VA Physicians* ❑ P.A./R.A. ❑ Retired Physicians ❑ Technologists	**MR & CT Advanced Imaging** February 3 – 8, 2019	On or Before 1/25/19 ❑ $820	After 1/25/19 ❑ $920	❑ **ADD** Printed Color Syllabus $95	On or Before 1/25/19 ❑ $820	After 1/25/19 ❑ $920
	Hot Topics in Radiology February 10 – 15, 2019	On or Before 2/1/19 ❑ $820	After 2/1/19 ❑ $920		On or Before 2/1/19 ❑ $820	After 2/1/19 ❑ $920

**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

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