



**JOIN US!**  
**LIVE IN**  
**SNOWMASS**  
OR LIVE WEBCAST

*The 3<sup>rd</sup>* **Snowmass 2015:**

---


# HOT TOPICS IN RADIOLOGY

---

**SAM Sessions Included**

**February 15 – 20, 2015**

Viceroy Snowmass • Snowmass Village, Colorado  
19.0 AMA PRA Category 1 Credit(s)<sup>TM</sup>



**ESI** Educational  
Symposia

## 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. Emphasis of this meeting is on the practical clinical uses of new technologies. 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 useful to those 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 19.0 *AMA PRA Category 1 Credit(s)*<sup>™</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 1-800-338-5901 regarding the availability of Category A CE credit.

## SAM CREDIT

Certain sessions of the meeting program will be submitted to the ABR for SAM qualification. The total number of approved SAM credits available will be confirmed approximately 21 days prior to the meeting.

## EDUCATIONAL OBJECTIVES

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

- Discuss new cutting edge applications of MR imaging.
- Compare the use of CT and MRI in the evaluation of various musculoskeletal, body and angiographic applications.
- Integrate cutting edge technologies into the workup of neurological disease.
- Use MRI and CT in the workup of spine disease.
- Explain and incorporate CT dose management tools and techniques into clinical protocols.

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

## THE MEETING WEEK

at Snowmass begins with your arrival on Sunday, February 15, 2015. Registration and welcome reception for attendees and their families on Sunday evening enable you to meet the faculty and your colleagues for the duration of the course. Formal lectures begin on Monday morning, with academic lectures scheduled Monday through Thursday from 7:30 am to 9:30 am and from 4:30 pm to 6:45 pm and Friday from 7:30 am to 9:30 am. Daily breakfasts and afternoon après-ski breaks are provided for registered attendees and meal plan participants. The program is designed to provide ample time for instruction and questions, as well as sufficient time for the enjoyment of the many recreational activities of Snowmass and its surrounding areas.

## 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.

## 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

## CANCELLATIONS

Cancellations must be received in writing. A \$50 processing fee will be applied to all cancellations. Refunds requested in writing prior to January 16, 2015 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, including a comprehensive course syllabus (printed black and white syllabus or color e-syllabus), a welcome reception, daily breakfasts each day and après-ski Monday through Thursday. Early registration is strongly suggested. There will be a \$50 surcharge for anyone registering after February 4, 2015. 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 a comprehensive color electronic course syllabus via email. If you have any questions or problems logging into the meeting we will have support personnel available at (800) 338-5901. There will be a \$50 surcharge for anyone registering after February 4, 2015.

**Please note:** A minimum number of registrants is required to live webcast this course. If the minimum number is not met by January 16, 2015 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.

## 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

(800) 344-0668 (U.S. & Canada)  
(813) 806-1001

### PHONE

(800) 338-5901 (U.S. & Canada)  
(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](http://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 (800) 338-5901 or (813) 806-1000.



# FACULTY

## Program Director

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

---

**James C. Carr, M.D.**

*Vice Chair for Research and Director of  
Cardiovascular Imaging  
Professor of Radiology & Medicine  
Northwestern University Feinberg School of Medicine  
Chicago, IL*

**Christine B. Chung, M.D.**

*Professor of Radiology  
University of California, San Diego*

**Brian B. Ghoshhajra, M.D., MBA**

*Clinical Director, Cardiac CT and MRI Imaging  
Cardiac MR PET CT Program  
Department of Radiology  
Massachusetts General Hospital  
Instructor in Radiology  
Harvard Medical School*

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

*Medical Director  
Center for Diagnostic Imaging  
Minneapolis, MN*

**C. Douglas Phillips, M.D., FACR**

*Professor of Radiology  
Director of Head and Neck Imaging  
Weill Cornell Medical Center  
New York-Presbyterian Hospital  
Past President, American Society of Head and  
Neck Radiology*

**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*

**Aaron Sodickson, M.D., Ph.D.**

*Section Chief of Emergency Radiology and Medical  
Director of CT, Brigham and Women's Hospital  
Associate Professor of Radiology, Harvard Medical  
School*

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

*Director MRI, CT and Outpatient/Advanced  
Development  
Mount Sinai School of Medicine  
New York, NY*

**If you receive more than one brochure,  
please pass the extra along to a colleague.**

# PROGRAM

## SUNDAY, FEBRUARY 15, 2015

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

## MONDAY, FEBRUARY 16, 2015

**7:00 – 7:30 AM**    **Breakfast for Registrants & Meal Plan Participants**

- 7:30 – 8:10    MR Safety Update/Contrast Agents  
*Lawrence N. Tanenbaum, M.D., FACR*
- 8:10 – 8:45    Contemporary Temporal Bone MR  
*C. Douglas Phillips, M.D., FACR*
- 8:45 – 9:20    Traumatic Head Injury in Sports  
*Blake A. Johnson, M.D., FACR*
- 9:20 – 9:30    Question and Answer Session  
*Faculty*
- 9:30**            **End of Session**

**4:00 – 4:30 PM**    **Après-Ski Break for Registrants & Meal Plan Participants**

**SAM SESSION**

4:30 – 5:00    MRI Evaluation of Cartilage: Current Concepts and State of the Art Imaging  
*Christine B. Chung, M.D.*

5:00 – 5:30    Quantification of MRI - Opportunities and Challenges  
*Neil M. Rofsky, M.D., FACR*

- 5:30 – 6:00    Clinical Applications of Cardiovascular MRI  
*James C. Carr, M.D.*
- 6:00 – 6:30    Cardiac CT in the Emergency Room  
*Brian Ghoshhajra, M.D., MBA*
- 6:30 – 6:45    Question and Answer Session  
*Faculty*
- 6:45**            **End of Session**

## TUESDAY, FEBRUARY 17, 2015

**7:00 – 7:30 AM**    **Breakfast for Registrants & Meal Plan Participants**

**SAM SESSION**

7:30 – 8:10    Diffusion Imaging in the Spine  
*Lawrence N. Tanenbaum, M.D., FACR*

8:10 – 8:45    Imaging Evaluation of the Spine  
*Blake A. Johnson, M.D., FACR*

8:45 – 9:20    Imaging the Patient with a Potential CSF Leak  
*C. Douglas Phillips, M.D., FACR*

9:20 – 9:30    Question and Answer Session  
*Faculty*

**9:30**            **End of Session**

**4:00 – 4:30 PM**    **Après-Ski Break for Registrants & Meal Plan Participants**

- 4:30 – 5:00    MR Guided HIFU - 2015 Update  
*Neil M. Rofsky, M.D., FACR*
- 5:00 – 5:30    MRI of Synovial Inflammatory Disorders  
*Christine B. Chung, M.D.*
- 5:30 – 6:00    Enhancing Your CT Practice with Dual Energy in the ER  
*Aaron Sodickson, M.D., Ph.D.*
- 6:00 – 6:30    Update on the Latest Developments in MR Angiography  
*James C. Carr, M.D.*
- 6:30 – 6:45    Question and Answer Session  
*Faculty*
- 6:45**            **End of Session**

## WEDNESDAY, FEBRUARY 18, 2015

**7:00 – 7:30 AM**    **Breakfast for Registrants & Meal Plan Participants**

- 7:30 – 8:10    Advanced Imaging of Brain Neoplasms: Why Does it Matter?  
*Lawrence N. Tanenbaum, M.D., FACR*
- 8:10 – 8:45    Intracranial Tumors and Tumor Mimics  
*Blake A. Johnson, M.D., FACR*

WEDNESDAY, FEBRUARY 18, 2015  
(Continued)

- 8:45 – 9:20 Evaluation of Nodal Disease  
*C. Douglas Phillips, M.D., FACP*
- 9:20 – 9:30 Question and Answer Session  
*Faculty*
- 9:30 End of Session

4:00 – 4:30 PM Après-Ski Break for Registrants & Meal Plan Participants

- 4:30 – 5:00 MR-US Fusion for Improving Prostate Cancer Care  
*Neil M. Rofsky, M.D., FACP*
- 5:00 – 5:30 Innovations in Neuro CT: Leveraging Technology-Lower Dose+E163  
*Lawrence N. Tanenbaum, M.D., FACP*
- 5:30 – 6:00 The Need for Speed in Cardiovascular MRI  
*James C. Carr, M.D.*
- 6:00 – 6:30 Myocardial Stress Perfusion CT  
*Brian Ghoshhajra, M.D., MBA*
- 6:30 – 6:45 Question and Answer Session  
*Faculty*
- 6:45 End of Session

THURSDAY, FEBRUARY 19, 2015

7:00 – 7:30 AM Breakfast for Registrants & Meal Plan Participants

- 7:30 – 8:10 Miscellaneous Conditions of the Shoulder  
*Christine B. Chung, M.D.*
- 8:10 – 8:40 The Potential for Arterial Spin Labeling in Clinical Trials  
*Neil M. Rofsky, M.D., FACP*
- 8:40 – 9:20 CT and MRI for Ischemic Heart Disease  
*Brian Ghoshhajra, M.D., MBA*
- 9:20 – 9:30 Question and Answer Session  
*Faculty*
- 9:30 End of Session

THURSDAY, FEBRUARY 19, 2015  
(Continued)

4:00 – 4:30 PM Après-Ski Break for Registrants & Meal Plan Participants

- 4:30 – 5:00 Cervical Pain Management  
*Blake A. Johnson, M.D., FACP*
- 5:00 – 5:30 MRI of the Hip  
*Christine B. Chung, M.D.*
- 5:30 – 6:00 Parathyroid Imaging  
*C. Douglas Phillips, M.D., FACP*
- 6:00 – 6:30 Radiation Risks and Dose Reduction Opportunities Before, During, and After the Scan  
*Aaron Sodickson, M.D., Ph.D.*
- 6:30 – 6:45 Question and Answer Session  
*Faculty*
- 6:45 End of Session

FRIDAY, FEBRUARY 20, 2015

7:00 – 7:30 AM Breakfast for Registrants & Meal Plan Participants

SAM SESSION

- 7:30 – 8:10 The Role of CMR in Heart Failure  
*James C. Carr, M.D.*
- 8:10 – 8:40 Cardiovascular CT for Transcatheter Aortic Valve Implantation  
*Brian Ghoshhajra, M.D., MBA*
- 8:40 – 9:20 Optimizing Image Quality and Radiation Dose in Imaging of Pulmonary Embolus  
*Aaron Sodickson, M.D., Ph.D.*
- 9:20 – 9:30 Question and Answer Session  
*Faculty*
- 9:30 End of Course

Faculty & topics subject to change.

\* These SAM sessions will be submitted to the ABR for approval and are subject to change.

# Viceroy Snowmass

## ABOUT THE RESORT

Viceroy Snowmass offers ski-in/ski-out luxury resort lodging in the winter, and a gateway to on-and off-mountain adventure and culture during warmer months, complemented by imaginative dining and lounging, a Ute Indian-inspired wellness spa, and a year-round pool terrace and café.

Only seven miles from downtown Aspen in the heart of Snowmass' new Base Village, the sophistication and sense of place that distinguish Viceroy destinations from California to the Caribbean perfectly blend with the Colorado high country.



## HOW TO GET THERE

Fly directly to Aspen - Pitkin County Airport, located just 20 minutes south of Viceroy Snowmass. Round trip transportation is available per the resort fee. Daily non-stop flights are available to Denver for major national and international carriers; a beautiful 4 hour drive through the mountains.

**SPACE IS LIMITED - RESERVE TODAY:** Call Viceroy Snowmass at (877) 235-7577 and provide Group Code: **"EDUSYM115"** or book online using the same group code: <http://www.viceroyhotelsandresorts.com/en/snowmass>. Call Professional Travel at 800-237-7230 for further assistance.

Studio King Guest Room Rates Start At .....\$299.00/nt.  
One Bedroom Suite Rates Start At .....\$415.00/nt.  
Two Bedroom Suite Rates Start At .....\$699.00/nt.

**HOTEL TAX:** 12.8%  
**HOTEL CUT-OFF DATE:** January 2, 2015 (groups rates 3 days prior - space available basis)  
**RESORT FEE:** \$30 per room, per day applies. Resort Fee is taxed at 10.4%.  
**DEPOSIT POLICY:** All hotel reservation requests will require a non refundable (1) one night deposit at the time of booking. The remaining balance will be charged to the credit card within FORTY FIVE (45) days of the arrival date.  
**CANCELLATION POLICY:** If the reservation is canceled within FORTY FIVE (45) days of arrival, individual guest will be charged for the full length of stay.  
**HOTEL:** 130 Wood Road Snowmass Village, Colorado 81615 **PH:** 970.923.8000

## LIFT TICKETS/SKI RENTALS

Order your deeply discounted Lift Tickets and Ski Rentals at [www.edusymp.com](http://www.edusymp.com) or call Professional Travel at 800-237-7230.

Meeting Registration Form:

The 3<sup>rd</sup> Snowmass 2015: Hot Topics in Radiology  
Viceroy Snowmass • Snowmass Village, Colorado • February 15 – 20, 2015

SVHT15

Attendance is limited; therefore, early registration is strongly suggested. **There will be a \$50 surcharge for anyone registering after February 4, 2015.**

REGISTER ONLINE: <a href="http://WWW.EDUSYMP.COM">WWW.EDUSYMP.COM</a>	TUITION: LIVE MEETING		TUITION: LIVE WEBCAST
	Check Meeting Registration below:		Please check your selection below: INCLUDES ELECTRONIC SYLLABUS ONLY
<input type="checkbox"/> Physicians <input type="checkbox"/> Scientists	<input type="checkbox"/> \$1050	Check syllabus selection below: <input type="checkbox"/> ELECTRONIC SYLLABUS (Color) <input type="checkbox"/> PAPER SYLLABUS (Black & White) <input type="checkbox"/> BOTH (Paper & Electronic at an extra cost of \$25)	<input type="checkbox"/> \$1050
<input type="checkbox"/> Fellows* <input type="checkbox"/> Full Time Military* <input type="checkbox"/> Residents* <input type="checkbox"/> VA Physicians*	<input type="checkbox"/> \$820		<input type="checkbox"/> \$820

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

REGISTER ONLINE AND SAVE \$20! By Providing the Promo Code: Example - Promo Code: XXXXX#

Name	<input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Ph.D. <input type="checkbox"/> R.T. <input type="checkbox"/> P.A./R.A. <input type="checkbox"/> RDMS <input type="checkbox"/> 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		