

Are you ready?

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Are you ready?

Y90

Are you ready?

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Feb. 9–12, 2012

FireSky Resort and Spa Scottsdale, Arizona

PROGRAM COORDINATORS

MATTHEW S. JOHNSON, MD, FSIR
Indiana University School of Medicine, Indianapolis, Ind.

CHARLES W. NUTTING, DO, FSIR
Radiology Imaging Associates, Greenwood Village, Colo.

RIAD SALEM, MD, MBA, FSIR
Northwestern Memorial Hospital, Chicago, Ill.



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RADIOLOGY

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CME STATEMENT This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education (ACCME). The Society of Interventional Radiology (SIR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide medical education for physicians. SIR designates this live activity for a maximum of 26.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

COURSE DESCRIPTION

This three-and-a-half-day course, designed with lectures, panel discussions, case scenarios and hands-on workshops, will offer the most in-depth, comprehensive and challenging curriculum available for interventional radiologists interested in initiating or developing their practice in this exciting aspect of interventional oncology. This course incorporates the requisite training and testing for official SIR validation of the IR attendee as qualified to apply for Authorized User (AU) status for intra-arterial yttrium-90 (Y-90) in the treatment of hepatic malignancies and concludes with an on-site learning assessment. Upon successful completion of this course and assessment, learners will receive a course completion certificate outlining the educational course content.

TARGET AUDIENCE

This course will provide focused educational opportunities for interventional radiologists. SIR encourages fellows-in-training to attend this course.

BRING YOUR LAPTOP

A digital syllabus will be provided to each participant to allow for note-taking during lectures.

Remember to bring your laptop's power cord.



LEARNING OBJECTIVES

Upon completion of this course, the attendee should be able to:

- Compare and contrast current device platforms
- Discuss the current algorithms and outcomes for treatment of primary and secondary hepatic malignancies inclusive of surgical, medical and transarterial therapies and explore the ideal sequencing of radioembolization in those algorithms
- Explore trends in patient selection and outcome prediction and discuss the relative importance of cancer, cirrhosis, age, performance status, imaging and physical examination
- Review information on the treatment algorithm, the rationale for the two-stage approach, device delivery strategies and microcatheters, and coiling and embolization techniques and describe issues in postprocedural care and follow-up
- Describe best practice in Y-90 radiation safety and dose management
- Describe advanced radiation physics and various methods of calculation of dosimetry and how they vary between available platforms

- Demonstrate an advanced knowledge of Y-90 administration procedure, including familiarity with both available administration systems
- Describe responsibilities and significance of AU status in the comprehensive management of radioembolization and identify the importance of a robust radiation safety program
- Identify state and institutional requirements for becoming an AU and demonstrate comprehension of the elements and significance of a robust radiation safety program as it relates to intra-arterial Y-90 therapy
- Demonstrate hands-on advanced microcatheterization and embolization skills pertinent to device delivery
- Discuss appropriate follow-up and patient prognosis after radioembolization

SESSION ASSESSMENTS

To highlight the key topics presented in each session, a session assessment will be given via audience response system (ARS) keypads at the end of each session. An ARS keypad will be issued upon check-in at registration, and attendees will be expected to keep and use this keypad throughout the course to track session assessment answers. The purpose of the assessment is to reinforce the key points made throughout the course and for attendees to assess themselves.

Upon completion of this course, a Cumulative Session Assessment will be given to document mastery of the topics learned. This final assessment will also be given via ARS keypads. Attendees' answers to these questions will be graded, with subsequent recognition of accomplishment. The Cumulative Session Assessment will be offered on Sunday, Feb. 12, 2012.

SIR PARTICIPATION POLICY

Society of Interventional Radiology staff, members, nonmembers and event participants must be treated with respect in all interactions (including but not limited to in-person, telephone or via written communications). All agree to conduct themselves in a manner appropriate for health care professionals. Staff offices and the press room at meeting sites are reserved for official business only; food and beverage service in these areas are reserved for staff and volunteer members. If a staff member believes that these rules have been violated or acceptable social decorum has otherwise been breached, the staff member shall contact one of the designated individuals in the volunteer leadership to help with the situation. If the member in question believes that he/she has been wrongly accused of inappropriate behavior, he/she shall also contact the designated physician leadership to help with the situation.

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Feb. 9–12, 2012

Y90: Are you U ready?

DAY 1 Thursday, Feb. 9, 2012

6:30–8 a.m.	Registration and Breakfast
8–8:15 a.m.	Welcome, Course Overview Matthew S. Johnson, MD, FSIR Charles W. Nutting, DO, FSIR Riad Salem, MD, MBA, FSIR
8:15–8:45 a.m.	Historical Perspective on Liver Cancer Brian F. Stainken, MD, FSIR
	SESSION I: State of the Art: Treatment Strategies
	<i>MODERATOR:</i> Riad Salem, MD, MBA, FSIR
8:45–9:05 a.m.	<i>HCC:</i> Laura Kulik, MD
9:05–9:25 a.m.	<i>Metastatic Colon and Rectal Carcinoma:</i> Tony Reid, MD, PhD
9:25–9:45 a.m.	<i>Liver Dominant Metastatic Disease:</i> Daniel B. Brown, MD, FSIR
9:45–10:05 a.m.	<i>Hepatobiliary Surgery for Malignancy:</i> Joseph Espat, MD
10:05–10:30 a.m.	Q&A Session Assessment
10:30–10:45 a.m.	Morning Break
	SESSION II: Basic Principles of Radiation Physics
	<i>MODERATOR:</i> Andrew S. Kennedy, MD
10:45–11:10 a.m.	<i>Fundamentals of Radiation Physics:</i> Vanessa L. Gates, MS
11:10–11:35 a.m.	<i>Y-90 Physics:</i> Mack L. Richard, MS
11:35 a.m.–12 noon	<i>Brachytherapy:</i> Andrew S. Kennedy, MD
12 noon – 12:15 p.m.	Q&A Session Assessment
12:15–1 p.m.	Lunch
	SESSION III: Radiation Biology
	<i>MODERATOR:</i> Andrew S. Kennedy, MD
1–1:25 p.m.	<i>Basic Radiation Concepts:</i> Mack L. Richard, MS
1:25–1:50 p.m.	<i>Radiation Chemistry:</i> Vanessa L. Gates, MS
1:50–2:15 p.m.	<i>Hepatic Radiation Biology:</i> Andrew S. Kennedy, MD
2:15–2:30 p.m.	Q&A Session Assessment
2:30–2:45 p.m.	Afternoon Break

SESSION IV: Y-90 Patient Selection and Outcomes—HCC

MODERATOR: Riad Salem, MD, MBA, FSIR

Diagnosis of HCC and Guidelines: Matthew S. Johnson, MD, FSIR

Outcomes of Y-90: Laura Kulik, MD

2:45–3:15 p.m.
3:15–3:45 p.m.

3:45–4 p.m.

Q&A
Session Assessment

SESSION V: Y-90 Patient Selection and Outcomes-Metastatic Disease

MODERATOR: Riad Salem, MD, MBA, FSIR

Colorectal Cancer: Fred M. Moeslein, MD

Neuroendocrine Tumors: Andrew S. Kennedy, MD

Role of Y-90 in Other Primaries: William S. Rilling, MD, FSIR

4–4:20 p.m.
4:20–4:40 p.m.
4:40–5 p.m.

5–5:15 p.m.

Q&A
Session Assessment

5:15–7:15 p.m.

Y-90 Delivery Workshops (non-CME): SIR-Sphere and TheraSphere

DAY 2 Friday, Feb. 10, 2012

7–8 a.m.

Breakfast

8–9:15 a.m.

SESSION VI: The Initial Clinic Visit

Suzanne Lindley

Matthew S. Johnson, MD, FSIR

Discussion: All Faculty and Attendees

MODERATORS: Charles W. Nutting, DO, FSIR; Riad Salem, MD, MBA, FSIR

9:15–9:30 a.m.

Q&A
Session Assessment

9:30–10 a.m.

SESSION VII: Pretreatment Angio and MAA Shunt Study for Y-90

MODERATORS: Charles W. Nutting, DO, FSIR; Robert J. Lewandowski, MD

10–10:15 a.m.

Q&A
Session Assessment

10:15–10:30 a.m.

Morning Break

SESSION VIII: Advanced Angio for Y-90

MODERATOR: Riad Salem MD, MBA, FSIR

Complex Anomalies: Robert J. Lewandowski, MD

Advanced Coil Embolization Strategies: David M. Liu, MD

Mitigating Complications: Daniel B. Brown, MD, FSIR

Cone Beam CT: Daniel Sze, MD, PhD, FSIR

10:30–10:50 a.m.
10:50–11:10 a.m.
11:10–11:30 a.m.
11:30–11:50 a.m.

11:50 a.m.–12:15 p.m.

Q&A
Session Assessment

SESSION IX: Y-90 Dosimetry Simplified

MODERATOR: Riad Salem MD, MBA, FSIR
TheraSphere: Riad Salem, MD, MBA, FSIR
SIR-Sphere: David M. Liu, MD

12:15–12:30 p.m.
12:30–12:45 p.m.

12:45–1 p.m.

Q&A
Session Assessment

1–1:30 p.m.

Lunch

SESSION X: Comparing Y-90 Devices

MODERATOR: Matthew S. Johnson, MD, FSIR
Matthew S. Johnson, MD, FSIR
William S. Rilling, MD, FSIR

1:30–2 p.m.
2–2:30 p.m.

2:30–2:45 p.m.

Q&A
Session Assessment

2:45–3:30 p.m.

SESSION XI: AU Requirements

MODERATOR: Matthew S. Johnson, MD, FSIR
Riad Salem, MD, MBA, FSIR
Matthew S. Johnson, MD, FSIR

3:30–3:45 p.m.

Q&A
Session Assessment

3:45–4 p.m.

Afternoon Break

4–6 p.m.

Hands-on Workshop Sessions

Workshop I: Cases
Workshop II: Mock Room Set
Workshop III: Coils and Wires

6–7:30 p.m.

Networking Reception

DAY 3 Saturday, Feb. 11, 2012

7–8 a.m.

Breakfast

8–9:30 a.m.

SESSION XII: Health Policy and Economics

MODERATOR: Sean M. Tutton, MD, FSIR
Professional Coding and Reimbursement Strategies: Sean M. Tutton, MD, FSIR

9:30–9:45 a.m.

Q&A
Session Assessment

9:45–10 a.m.

Morning Break

SESSION XIII: Radiation Safety Issues Treatment and Follow-up

MODERATOR: Mack L. Richard, MS
Vanessa L. Gates, MS
Mack L. Richard, MS

10–10:15 a.m.
10:15–10:30 a.m.

10:30–10:45 a.m.

Q&A
Session Assessment

SESSION XIV: Dosimetry

Participants will have the opportunity to view actual patient case examples (tumor and liver volumes, angiograms) and will be required to calculate the prescribed activity as part of their role as IR AUs (written directive).

10:45-11:30 a.m. Riad Salem, MD, MBA, FSIR (TheraSphere)
11:30 a.m.-12:15 p.m. David M. Liu, MD (SIR-Sphere)

12:15-12:30 p.m. Q&A
Session Assessment

12:30-1 p.m. Lunch

SESSION XV: Advanced Concepts in Y-90: Round Table Panel Discussion

This session will involve case presentations in a Tumor Board format. The following topics will be discussed: Y-90 Retreatment; Segmentectomy/Lobectomy; Adjuvant Chemotherapy, Metastatic Disease; Sorafenib and Y-90, HCC; Resection Following Y-90; Redistribution; Shunt Over 20% and Portal Thrombosis; Recognizing Radiation Hepatitis; Managing GI Complaints; Nuances of Y-90 for Neuroendocrine Cancer; Chemo & Combination Therapy, Mets.

PANELISTS:

Joseph Espat, MD
Matthew S. Johnson, MD, FSIR
Andrew S. Kennedy, MD
Laura Kulik, MD
David M. Liu, MD
Charles W. Nutting, DO, FSIR
Riad Salem, MD, MBA, FSIR
Daniel Sze, MD, PhD, FSIR

3:30-3:45 p.m. Q&A
Session Assessment

3:45-4 p.m. Afternoon Break

Hands-on Workshop Sessions

Workshop I: Cases
Workshop II: Mock Room Set
Workshop III: Coils and Wires

DAY 4 Sunday, Feb. 12, 2012

7-8 a.m. Breakfast

SESSION XVI: Practice Models and Strategies for Success

MODERATOR: Riad Salem, MD, MBA, FSIR
AU from an Academic Perspective: David C. Madoff, MD, FSIR
AU from a Private Practice Perspective: Charles W. Nutting, DO, FSIR
Unified Multispecialty Practice: Trainees and Y-90: Daniel B. Brown, MD, FSIR
Benefits of AU Status: Matthew S. Johnson, MD, FSIR
Achieving AU Status as a Result of the 2011 Y-90 Course:
David C. Madoff, MD, FSIR, and Aaron Shiloh, MD

8-8:20 a.m.
8:20-8:40 a.m.
8:40-9 a.m.
9-9:15 a.m.
9:15-9:30 a.m.

PROGRAM (continued)

9:30–9:45 a.m.

Q&A
Session Assessment

9:45–10 a.m.

10–10:10 a.m.

10:10–10:25 a.m.

10:25–10:40 a.m.

10:40–10:50 a.m.

SESSION XVII: Novel Concepts in Y-90

Novel Interventional Approaches to Safe Y-90 Delivery: Armeen Mahvash, MD

Using Y-90 After XRT to the Liver: Ravi Shridhar, MD, PhD

Moffitt Cancer Center: Experience With Cholangiocarcinoma and Neuroendocrine Tumors: Ravi Shridhar, MD, PhD

Clinical Trials With Y-90: Current Status: Riad Salem, MD, MBA, FSIR

Anti-reflux Catheters: Charles W. Nutting, DO, FSIR

10:50–11 a.m.

Q&A

11–11:45 a.m.

SESSION XVIII: Putting It All Together

(Participants will have the opportunity to ask questions and present cases during this session.)

MODERATORS: Matthew S. Johnson, MD, FSIR; Charles W. Nutting, DO, FSIR;
Riad Salem, MD, MBA, FSIR

Review of SIR and ASTRO Consensus Guidelines: Riad Salem, MD, MBA, FSIR

11:45 a.m.–12 noon

Break

12 noon – 12:30 p.m.

Final Assessment

12:30 p.m.

Meeting Adjourns



SIR thanks the following companies who have provided
unrestricted educational grants for this meeting:

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REGISTRATION FORM

To register online, go to:
www.SIRweb.org/meetings/Y90.shtml

REGISTRATION AND BADGE INFORMATION *(Please print or type)*

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Registration is limited.

REGISTRATION RATES:

	ON or BEFORE Jan. 12, 2012	AFTER Jan. 12, 2012
SIR member	\$1,450	\$1,650
Physician nonmember	\$2,150	\$2,350
Fellow-in-training*	\$995	\$1,195
TOTAL AMOUNT:		\$ _____

*A letter from a fellowship program director is required for this registration rate. For assistance registering or questions, call the SIR office at (703) 691-1805.

- Please contact me regarding special needs.
 Please contact me regarding special dietary needs.

CANCELLATION POLICY:

Due to high demand and the limited number of attendees for this course, SIR must adhere to a strict registration cancellation policy. Cancellations received in writing by Jan. 12, 2012, will be refunded less a \$100 administrative fee. No refunds will be given after Jan. 12, 2012. Refunds or credits will not be given for failure to attend, late arrival, unattended events or early departure. Hotel reservations, cancellations and/or changes must be made directly with the hotel. All refunds must be submitted in writing to:

Society of Interventional Radiology
Attention: Education Department
3975 Fair Ridge Drive, Suite 400 N
Fairfax, VA 22033
Fax: (703) 691-1855
Education@SIRweb.org

FAX REGISTRATION FORM TO:

SIR Education Department, Fax: (703) 691-1855

ONLINE REGISTRATION:

www.SIRweb.org/meetings/Y90.shtml



HOTEL INFORMATION:

Call the FireSky Resort at (480) 945-7666 to reserve a room at the discounted meeting rate of \$219 single/\$219 double. Please reference the SIR Y-90 meeting. The cut-off date for reservations is Jan. 12, 2012. Any reservations made after Jan. 12, 2012, cannot be guaranteed the SIR room rate.

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Photo courtesy of the FireSky Resort and Spa