

Yale School of Medicine – Memorial Sloan Kettering Cancer Center

# Interventional Radiology and Interventional Oncology Comprehensive Review 2019

## CONFERENCE CHAIRS:



KEVIN KIM, MD  
YALE SCHOOL OF MEDICINE



STEPHEN SOLOMON, MD  
MEMORIAL SLOAN KETTERING CANCER CENTER

YaleCME  
CONTINUING MEDICAL EDUCATION

OCTOBER 5 – 8, 2019

THE YALE CLUB OF NEW YORK CITY | NEW YORK, NY

## Conference Faculty

*subject to change*

### CONFERENCE CHAIRS

Kevin Kim MD  
Chief, Interventional Radiology  
Yale School of Medicine  
New Haven, CT

Stephen Solomon MD  
Chief, Interventional Radiology Service  
Memorial Sloan Kettering Cancer Center  
New York, NY

### COURSE DIRECTORS

Ronald S. Arellano MD  
Massachusetts General Hospital /  
Harvard Medical School, Boston, MA

Hamid Mojibian MD  
Yale School of Medicine  
New Haven, CT

Yolanda Bryce MD  
Memorial Sloan Kettering Cancer Center  
New York, NY

T. Gregory (Greg) Walker MD  
Massachusetts General Hospital /  
Harvard Medical School, Boston, MA

Majid Maybody MD  
Memorial Sloan Kettering Cancer Center  
New York, NY

Darryl Zuckerman MD  
Yale School of Medicine  
New Haven, CT

### CLEVELAND CLINIC

Nikunj Chauhan MD

### JEFFERSON MEDICAL COLLEGE

David Eschelmann MD

### MASSACHUSETTS GENERAL HOSPITAL / HARVARD MEDICAL SCHOOL

Ronald S. Arellano MD  
Zubin Irani MD  
Colin McCarthy MBBS  
Shaunagh McDermott MD

Sara Smolinski Zhao MD  
Ashraf Thabet MD  
Raul Uppot MD  
Greg Walker MD

### MEMORIAL SLOAN KETTERING CANCER CENTER

F. Edward Boas MD  
Yolanda Bryce MD  
Jeremy Durack MD  
Adrian Gonzalez-Aguirre MD  
Majid Maybody MD

Stephen Solomon MD  
Ernesto Santos MD  
Richard Kinh Gian Do MD  
Eduardo Lacayo MD

### MIAMI CARDIAC & VASCULAR INSTITUTE

Brian Schiro MD

### NEW YORK UNIVERSITY NYU LANGONE HEALTH

William Moore MD

### UNIVERSITY OF WASHINGTON

Jeffrey Forris Beecham Chick MD

### WEILL CORNELL MEDICINE

Timothy McClure MD

### YALE SCHOOL OF MEDICINE

Raj Ayyagari MD  
Brian Dillon MD  
Gowthaman Gunabushanam MD  
Steffen Huber MD  
Michele Johnson MD  
Kevin Kim MD  
Igor Latich MD  
Jessica Lee MD

Angelo Marino DO  
Hamid Mojibian MD  
Juan Carlos (JC) Perez Lozada MD  
Jeffrey Pollak MD  
Todd Schlachter MD  
Leslie Scoutt MD  
Douglas Silin MD  
Darryl Zuckerman MD

## Conference Location and Lodging

All sessions will be held at The Yale Club of NYC. Below, please find more information on this venue and hotels in close proximity.

The Yale Club of New York City: 50 Vanderbilt Ave, New York, NY  
Phone: (212) 716-2100

The Club is located at 50 Vanderbilt Avenue on the corner of 44th Street, across from the western entrance to Grand Central Terminal. Steps from Grand Central Terminal, The Yale Club of New York City was designed in 1915 by James Gamble Rogers, architect of Yale's Sterling Memorial Library as well as the Harkness Quad and Tower. With over \$10 million in recent capital improvements, the 22-story neoclassical clubhouse combines traditional elegance with contemporary amenities. If you wish to reserve a guest room at The Yale Club of NYC, please visit their website [www.yaleclubnyc.org](http://www.yaleclubnyc.org).

Hotels in close proximity to official venue:

- Holiday Inn Express New York City Fifth Avenue (W. 45th St.)
- Grand Hyatt New York (E. 42nd St.)
- Library Hotel (Madison Ave.)
- The Gotham Hotel (E. 46th St.)
- The Mansfield Hotel (W. 44th St.)
- The Roosevelt Hotel (45 E 45th St) *\*The Roosevelt is very close in proximity to the Yale Club. Telephone: (212) 661-9600*

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## Accreditation Statement

The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## Designation Statement

The Yale School of Medicine designates this live activity for a maximum of **22 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Financial Support

Memorial Sloan Kettering Cancer Center and Yale School Of Medicine are grateful to their supporters. They are acknowledged in all conference materials.

## Badges and Confidentiality

The programs of the meeting are intended for the purpose of education and to further the exchange of information for the improvement of patient care and the reduction of therapeutic complications. Participants are required to wear their badges for admission to all events. There will be no handouts. In addition, no photography or sound or video recording is allowed in the meeting room.

## Disclosure Policy

It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs.

*Interventional Radiology and Interventional Oncology are approaches to care for patients who can benefit from minimally invasive image-guided therapies. Advancements in interventional care afford improved patient care, quality and overall outcomes. These new therapies are best served with a multidisciplinary team approach coordinated by a health care team of different specialties involved in the treatment. The development of multidisciplinary care teams has been shown to improve the outcome of patients.*

*This course satisfies the Lifelong Learning component by awarding category 1 CME credit hours for participation. The course will focus on three of the six MOC core competencies: medical knowledge, patient care and procedural skills and practice-based learning and improvement.*

*The course will include a series of case presentations, discussions and interactive learnings focused on addressing the advanced minimally invasive image-guided therapies and multidisciplinary management.*

## LEARNING OBJECTIVES

At the conclusion of this course, the participant will be able to:

- Examine the latest developments in interventional therapies
- Identify interventional therapies appropriate in particular clinical situations
- Describe the latest image-guided therapies
- Discuss the current and future research in interventional therapies
- Identify new collaborative research opportunities in Interventional Radiology and Interventional Oncology

## SATURDAY, OCTOBER 5, 2019

12:00 pm Registration and Lunch

12:50 pm Welcome and Opening Remarks

### SESSION I: BODY INTERVENTION

Course Director: Ronald S. Arellano MD

1:00pm – 2:15pm	GI / Liver
1:00pm	Enteric Tubes   Speaker: Ashraf Thabet MD
1:15pm	Biliary   Speaker: Colin McCarthy MBBS
1:30pm	Portal HTN: TIPS / BRTO / PARTO   Speaker: Greg Walker MD
2:00pm	Portal HTN: Splenic Artery Embolotherapy / Budd Chiari   Speaker: Zubin Irani MD
2:15pm – 2:45pm	Kidney
2:15pm	Nephrostomy / Percutaneous Cystostomy   Speaker: Raul Uppot MD
2:30pm	Ureteral Stents / Ureteral Embolization   Speaker: Ronald S. Arellano MD
2:45pm – 3:15pm	Lung
	Biopsy / Drainage   Speaker: Shaunagh McDermott MD
3:15pm – 3:30pm	Break
3:30pm – 4:30pm	Spine
3:30pm	Disc Treatment / Nerve Blocks   Speaker: Ronald S. Arellano MD
4:00pm	Kyphoplasty / Vertebroplasty   Speaker: JC Perez MD
4:30pm – 5:00pm	Transplant Interventions
	Speaker: Greg Walker MD
5:00 pm	Adjournment

## SUNDAY, OCTOBER 6, 2019

### SESSION II: INTERVENTION ONCOLOGY PART I

Course Director: Majid Maybody MD

7:00am – 8:00am	Breakfast
8:00am – 10:00am	Primary Liver Cancer
8:00am	HCC   Speaker: F. Edward Boas MD
8:30am	Transarterial Therapies: BAE / TACE / Y90   Speaker: Adrian Gonzalez-Aguirre MD
9:00am	Cholangiocarcinoma/Pancreatic Cancer   Speaker: F. Edward Boas MD
9:30am	Ablations: MWA / RFA / Cryotherapy / IRE   Speaker: Yolanda Bryce MD
10:00am – 10:30am	Break
10:30am – 12:00pm	Metastatic Liver Cancer
10:30am	Lung / Kidney / Breast Cancer Metastasis   Speaker: Stephen Solomon MD
10:50am	NET   Speaker: Adrian Gonzalez-Aguirre MD
11:15am	Melanoma Metastasis   Speaker: David Eshelman MD
11:40am	Ablations: Metastatic Colorectal Cancer   Kevin Kim MD
12:00pm – 1:00pm	Lunch

### SESSION III: INTERVENTION ONCOLOGY PART II

Course Director: Yolanda Bryce MD

1:00pm – 2:00pm	Lung Cancer
1:00pm	Primary Lung Cancer   Speaker: William Moore MD
1:30pm	Metastatic Lung Cancer   Speaker: Stephen Solomon MD
2:00pm – 3:00pm	Bone Cancer / Sarcoma
2:00pm	Ablation / Palliative Therapy   Speaker: Majid Maybody MD
2:20pm	Cementoplasty / Augmentation   Speaker: Ernesto Santos MD
2:40pm	Osteoid Osteoma   Speaker: Majid Maybody MD
3:00pm – 3:15pm	Break
3:15pm – 4:15pm	Kidney Cancer
3:15pm	RCC Treatment Approaches: Active Surveillance vs. Surgery vs. Ablation Speaker: Timothy McClure MD
3:30pm	Ablation / Cryotherapy   Speaker: Jeremy Durack MD
3:45pm	Embolotherapies   Speaker: Jeremy Durack MD
4:00pm	AML Treatment Approaches   Speaker: Timothy McClure MD
4:15pm – 4:30pm	Thyroid Cancer
	Cryotherapy / MWA / RFA   Speaker: Eduardo Lacayo MD
4:30pm – 4:45pm	Breast Cancer Treatment
	Cryotherapy / MWA / RFA   Speaker: Yolanda Bryce MD
4:45pm – 5:00pm	LI-RADS Treatment Response
	Speaker: Richard Kinh Gian Do MD
5:00pm – 6:00pm	Dinner Program (Non CME)
6:00pm – 8:00pm	Board Review (Non CME)
6:00pm	The IR / DR Oral Examination: Demystifying the Process   Speaker: Darryl Zuckerman MD
6:15pm	Board Review   Speakers: Jeffrey Forris Beecham Chick MD and Nikunj Chauhan MD
8:00 pm	Adjournment

## MONDAY, OCTOBER 7, 2019

### SESSION IV: VASCULAR INTERVENTIONAL RADIOLOGY PART I

Course Director: Greg Walker MD

7:00am – 8:00am	Breakfast
8:00am – 8:45am	Arterial Interventions
8:00am	Aortic Aneurysm / Aortic Endoleak   Speaker: Brian Schiro MD
8:15am	Carotid Stenting   Speaker: Michele Johnson MD
8:30am	Lower Extremity Infrainguinal / Infrapopliteal – CLI and Upper Extremity Speaker: Brian Schiro MD
8:45am – 9:45am	Venous Interventions
8:45am	PE   Speaker: Jeffrey Pollak MD
9:00am	DVT / IVC Filter   Speaker: Hamid Mojibian MD
9:15am	Dialysis Interventions   Speaker: JC Perez MD
9:30am	Varicose Veins / Varicocele / Pelvic Congestion   Speaker: Angelo Marino DO
9:45am – 10:30am	Chest
9:45am	Hemoptysis   Speaker: Greg Walker MD
10:00am	PAVM   Speaker: Jeffrey Pollak MD
10:15am	Bronchial Embolotherapy   Speaker: Todd Schlachter MD
10:30am – 10:45am	Break
10:45am – 11:45am	Abdomen / Pelvis
10:45am	Mesenteric Occlusive / Vasculitis / Renal   Speaker: Darryl Zuckerman MD
11:00am	Fibroid Embolotherapy   Speaker: Sara Smolinski Zhao MD
11:15am	Prostate Artery Embolotherapy   Speaker: Raj Ayyagari MD
11:30am	GI Bleed Embolotherapy   Speaker: Todd Schlachter MD
11:45am – 12:15pm	Trauma
11:45am	Pelvis / Solid Organs Trauma   Speaker: Raj Ayyagari MD
12:00pm	Aortic Trauma   Speaker: Hamid Mojibian MD
12:15pm – 1:00pm	Lunch

### SESSION V: EMERGING INTERVENTION

Course Director: Darryl Zuckerman MD

1:00pm – 1:20pm	Percutaneous AV Fistula Creation Speaker: Angelo Marino DO
1:20pm – 1:40pm	Endoscopy for IR Practice Speaker: JC Perez MD
1:40pm – 2:00pm	Bariatric Embolotherapy Speaker: Jessica Lee MD
2:00pm – 2:40pm	Hemorrhoid Embolotherapy Speaker: Angelo Marino DO
2:40pm – 3:10pm	Break
3:10pm – 3:30pm	Arthritis Embolotherapy Speaker: Igor Latich MD

3:30pm – 3:50pm	ICE for TIPS Speaker: Zubin Irani MD
3:50pm – 4:10pm	Phantom Pain Treatment Speaker: Douglas Silin MD
4:10pm – 4:30pm	Hybrid Ortho Speaker: Igor Latich MD
4:30pm – 5:00pm	New Spine Augmentation Treatments Speaker: JC Perez MD
5:00 pm	Adjournment

## TUESDAY, OCTOBER 8, 2019

### SESSION VI: VASCULAR INTERVENTIONAL RADIOLOGY PART II

Course Director: Hamid Mojibian MD

7:00am – 8:00am	Breakfast
8:00am – 8:30am	Noninvasive Venous Doppler Speaker: Leslie Scoutt MD
8:30am – 8:45am	Contrast Enhanced Ultrasound Speaker: Gowthaman Gunabushanam MD
8:45am – 9:00am	US for Percutaneous AV Fistula Creation Speaker: Leslie Scoutt MD
9:00am – 9:30am	Stroke Therapy Speaker: Michele Johnson MD
9:30am – 9:45am	Break
9:45am – 10:05am	CTA Speaker: Hamid Mojibian MD
10:05am – 10:25am	MRA Speaker: Steffen Huber MD
10:25am – 10:45am	Varicose Vein / Varicocele / Pelvic Congestion Speaker: Angelo Marino DO
10:45am – 12:00pm	Vascular / Lymphatic Malformation
10:45am	AVM / VM   Speaker: Brian Dillon MD
11:15am	Lymphatic Malformation / Chylous Leaks Treatment Speaker(s): Ernesto Santos MD / Jeffrey Forris Beecham Chick MD
12:00 pm	Conference Adjournment

# Registration Information

PLEASE NOTE: YOU MUST REGISTER ONLINE, AT [WWW.CME.YALE.EDU](http://WWW.CME.YALE.EDU)

## ONLINE REGISTRATION INSTRUCTIONS:

1. Go to “Find/Register for CME”
2. Select “Live Courses”
3. Scroll down to “Yale School Of Medicine – Memorial Sloan Kettering Cancer Center  
Interventional Radiology & Interventional Oncology Comprehensive Review 2019”
4. Click Register in order to proceed

Please note: You will be required to login or create a profile to register

OR, Please scan the image at right (QR Code)  
with your Smartphone or Tablet to be directed  
to the conference homepage and proceed with Step 4.



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## REGISTRATION FEE:

Registration fee\* includes continental breakfasts, refreshment breaks, and lunches:

Early Birdy Registration – \$600 (discount ends 9/1/2019)

Yale/MSKCC Alumni – \$600

Standard Registration – \$750 (beginning 9/1/2019)

*\*All cancellations must be received in writing (or via e-mail) at least two weeks prior to the start of the conference to receive a refund. Any requests for refunds received after this date, or by telephone, will **not** be honored.*

*†A letter of verification from department head must accompany registration. Letter should be sent separately to Yale CME at the address below. You may also e-mail a pdf copy of your verification letter to [cme@yale.edu](mailto:cme@yale.edu).*

If paying via check, **include conference name in the memo**, make check payable to  
Yale University and send to:

Center for Continuing Medical Education  
Yale School of Medicine  
333 Cedar Street, SHM CE-3  
P.O. Box 208052  
New Haven, CT 06520-8052



If you have any questions, please contact Yale CME at [cme@yale.edu](mailto:cme@yale.edu) or 203.785.4578.