



NOVEMBER 3-6, 2016

Eden Roc Hotel, Miami Beach, FL



PROGRAM CHAIRS

Raj Narayanan, MD

Chairman

Department of Interventional Radiology

Professor of Clinical Radiology

University of Miami Miller School of Medicine

Riccardo Lencioni, MD, FSIR, EBIR

Vice-Chair, Clinical and Translational Research

Department of Interventional Radiology

Professor of Clinical Radiology

University of Miami Miller School of Medicine

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OVERVIEW

This annual symposium offers attendees a review of a variety of oncological diseases combined with the latest developments in medical, interventional and surgical therapeutic options across multiple disciplines. A practical overview of how to incorporate emerging therapies into practice will be included with emphasis on the multidisciplinary approach needed to achieve the highest levels of success in the fight against cancer. Leading experts from national and international programs will present the latest data and treatment innovations for oncological challenges in multiple organ systems with emphasis on implementation from diagnosis to treatment.

The meeting will be didactic and interactive with panel discussions and instructive case presentations focused on hepatocellular carcinoma, lung cancer, metastatic colorectal cancer, cholangiocarcinoma and liver metastases, renal and prostate cancer, pancreatic cancer, neuroendocrine, musculoskeletal tumors and palliative treatment options. A daily Nursing Symposium will also be offered during the meeting.

The course will include dedicated Hands-On Workshops on Ablation and Embolization.

In addition, a multidisciplinary symposium on prostate interventions will be presented on Saturday and Sunday, offering a comprehensive review on emerging topics and various aspects of prostate artery embolization, combined with the latest developments in medical, surgical and interventional management of benign prostatic hyperplasia and prostate cancer.

Statement of Need

In the past few years, interventional oncology has evolved into an important subspecialty as more interventional radiologists are actively involved in the management of oncologic patients. Unlike other procedures handled by interventional radiologists, interventional oncology requires an in-depth understanding of the different types of cancers, current standards and proper use of treatment choices and working with a multidisciplinary group. Synergy 2016 will be a forum for the convergence of the expertise and knowledge of various specialists involved in oncologic care to promote better understanding and improved outcomes of patient care.

Target Audience

Interventional radiologists, oncologists, radiation oncologists, transplant and oncologic surgeons, hepatologists, gastroenterologists, urologists and nurse practitioners/nurses, technologists and allied healthcare professionals.

Learning Objectives

At the completion of the course, attendees will be able to:

- Identify the current oncological problems faced in a variety of organ systems
- Implement modern multidisciplinary techniques for diagnosis and intervention in the treatment of cancer
- Incorporate modern interventional radiology therapeutic techniques in cancer treatment
- Examine the basics of BPH and the current management guidelines
- Assess prostatic arterial vasculature
- Identify the current status and challenges with Prostate Artery Embolization in the management of BPH and prostate cancer
- Implement modern multidisciplinary techniques for diagnosis and intervention in the management of BPH

Accreditation

The University of Miami Leonard M. Miller School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation

Physician Credit

The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **24.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing Credit

Continuing Education Credits for Nurses are awarded by Sylvester Comprehensive Cancer Center, Department of Hospital, Patient & Community Education Provider # 50-29000, in accordance with Florida Board of Nursing policies; Total CEs for entire program: **24.0** for all four days. Individual CE will awarded for each day of attendance.

Radiology Technologist Credit

This seminar has been planned and implemented in accordance with the general guidelines and requirements for providers of Radiologic Technology Education Florida Department of Health Bureau of Radiation Control Provider #3200031. Total CEUs **29.5**.

Disclosure and Conflict of Interest Resolution Statement

All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

FACULTY LISTING

PROGRAM CHAIRS

Raj Narayanan, MD

Chairman
Department of Interventional Radiology
Professor of Clinical Radiology
University of Miami Miller School of Medicine

Riccardo Lencioni, MD, FSIR, EBIR

Vice-Chair, Clinical and Translational Research
Department of Interventional Radiology
Professor of Clinical Radiology
University of Miami Miller School of Medicine

Guest Faculty

Yasuaki Arai, MD, FSIR, FCIRSE

Executive Advisor to President, National Cancer Center
Chief, Department of Diagnostic Radiology
National Cancer Center Hospital
Tsukiji, Chuo-ku, Tokyo, Japan

D.J. Breen, MRCP, FRCR

Consultant Abdominal Radiologist
Honorary Senior Lecturer in Radiology
University Hospital of Southampton
Southampton, Hampshire, UK

Daniel B. Brown, MD, FSIR

Director, Interventional Oncology
Professor of Radiology and Radiological Sciences
Vanderbilt University School of Medicine
Nashville, TN

Matthew R. Callstrom, MD, PhD

Vice-Chair, Department of Radiology
Professor of Radiology
Mayo Clinic
Rochester, MN

Jim Caridi, MD, FSIR

Professor of Vascular & Interventional Radiology
Tulane University Medical Center
New Orleans, LA

Francisco Cesar Carnevale, MD, PhD

Chief, Department of Interventional Radiology
Hospital das Clinicas da USP – Hospital Sirio Libanes
Sao Paulo, Brazil

Thierry de Baere, MD

Chief, Department of Interventional Radiology
Imagerie Therapeutique
Departement D'Imagerie
Gustave Roussy Cancer Campus Grand Paris
Villejuif, France

Afshin Gangi, MD, PhD

Professor of Interventional Radiology
Chairman of Radiology and Nuclear Medicine
NHC, Department of Interventional Imaging
University Hospital of Strasbourg, France
Professor at King's College, London
Strasbourg, France

Ricardo Garcia-Monaco, MD, PhD, FSIR

Chairman of Radiology
Hospital Italiano, University of Buenos Aires
Buenos Aires, Argentina

Jeff Geschwind, MD

Professor of Radiology and Oncology
Chairman, Department of Radiology and Biomedical Imaging
Yale University School of Medicine
New Haven, CT

Jafar Golzarian, MD

Professor of Radiology and Surgery
Director, Division of Interventional Radiology & Vascular Imaging
University of Minnesota
Amplatz Chair in Radiology
Minneapolis, MN

Ziv Haskal, MD, FSIR, FAHA, FACR, FCIRSE

Professor of Radiology
University of Virginia
Editor in Chief, Journal of Vascular and Interventional Radiology
Charlottesville, VA

Shinichi Hori, MD, PhD

Director and Chief physician
IGT Clinic, Institute for Image Guided Therapy
Osaka, Japan

Ari J. Isaacson, MD

Assistant Professor
Vascular and Interventional Radiology
Department of Radiology
University of North Carolina
Chapel Hill, NC

Brian E. Lally, MD

Clinical Associate Professor
Department of Radiation Oncology
Clinical Associate Professor of Radiation Oncology
University of Pennsylvania Perelman School of Medicine
Philadelphia, PA

David M. Levi, MD, FACS

Professor of Surgery
Carolinas Medical Center
Charlotte, NC

Robert J. Lewandowski, MD, FSIR

Associate Professor of Radiology
Director of Interventional Oncology
Department of Radiology
Northwestern University Feinberg School of Medicine
Chicago, IL

David M. Liu, MD, FRCPC, FSIR

Interventional Radiologist
Vancouver Imaging | Vancouver General Hospital
Clinical Associate Professor
University of British Columbia
Vancouver BC, Canada

David C. Madoff, MD, FSIR, FACR

Professor of Radiology
Vice Chairman for Academic Affairs
Weill Cornell Medicine
Division of Interventional Radiology
New York, NY

Robert C.G. Martin, II, MD, PhD, FACS

Sam & Lolita Weakley Endowed Chair, Surgical Oncology
Director, Division of Surgical Oncology
Professor of Surgery
Director, Upper GI & HPB Multi-Disciplinary Clinic
Academic Advisory Dean
University of Louisville
Louisville, KY

Justin McWilliams, MD

Associate Professor, Interventional Radiology
David Geffen School of Medicine at UCLA
Los Angeles, CA

Martijn Meijerink, MD, PhD

Chief Interventional Oncology
Chair Clinical and Translational Research
Head Differentiation and Fellowship Program
Department of Interventional Radiology, Diagnostic Radiology, Nuclear Medicine and PET Research
VU University Medical Center (VUmc)
Amsterdam, the Netherlands

Charles W. Nutting, DO, FSIR

Interventional Radiologist
Radiology Imaging Associates P.C.
Englewood, CO

FACULTY LISTING

William S. Rilling, MD, FSIR

Professor of Radiology and Surgery
Division of Vascular and Interventional
Radiology
Vice Chair, Clinical Operations
Department of Radiology
Medical College of Wisconsin
Milwaukee, WI

Caio Max S. Rocha Lima, MD

Hematology and Oncology
Associate Cancer Center Director for
Translational Research
Gibbs Cancer Center & Research Institute
CMO Guardian Research Network
Spartanburg Healthcare System
Spartanburg, SC

Riad Salem, MD

Director of Interventional Oncology
Robert H. Lurie Comprehensive Cancer
Center
Northwestern Memorial Hospital
Chicago, IL

Marc Sapoval, MD, PhD, EBIR, FCIRSE

Chairman Vascular and Oncological
Interventional Radiology
Universite Paris Descartes
Hopital Europeen Georges Pompidou
Paris, France

Thomas Scagnelli, MD, FSIR

Medical Director, Interventional Radiology
Doctors Hospital
Baptist Cardiac & Vascular Institute
Miami, FL

Navesh K. Sharma, DO, PhD

Associate Professor, Division of Radiation
Oncology
Penn State Hershey School of Medicine
Section Chief, Radiation Oncology
Penn State Hershey St. Joseph Cancer Center
Hershey, PA

Constantinos T. Sofocleous, MD, PhD, FSIR, FCIRSE

Professor of Radiology
Weill-Cornell Medical College
Attending Physician IR Service
Memorial Sloan Kettering Cancer Center
New York, NY

Luigi A. Solbiati, MD

Professor of Radiology
Department of Biomedical Sciences -
Humanitas University
Consultant, Interventional Radiology -
Humanitas Research Hospital
Rozzano (Milan), Italy

Ponnandai Somasundar, MD, MPH, FACS

Associate Chief, Division of Surgical Oncology
Associate Professor of Surgery
Boston University
Providence, RI

Daniel Sze, MD, PhD

Professor
Stanford University, Division of Vascular and
Interventional Radiology
Stanford, CA

Willemien van den Bos, MD

Senior Researcher, Department of Urology
Academic Medical Center
Amsterdam, the Netherlands

Bradford Wood, MD

Director, NIH Center for Interventional
Oncology
Chief, Interventional Radiology Section
NIH Clinical Center
NIH Center for Interventional Oncology
Bethesda, MD

UHealth/University of Miami Miller School of Medicine Faculty

Robert B. Abrahams, MD

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Kalyan Ram Bhamidimarri, MD, MPH

Assistant Professor of Clinical Medicine
University of Miami Miller School of Medicine
Medical Director of Small Bowel &
Multivisceral Transplant
Miami Transplant Institute

Shivank Bhatia, MD

Associate Professor of Interventional
Radiology and Urology
Medical Director of VAH Vascular and
Interventional Radiology

Mehul Doshi, MD

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Ana M. Echenique, MD

Associate Professor of Clinical Radiology
Department of Interventional Radiology

Tatiana Froud, MD

Voluntary Assistant Professor of Clinical
Radiology
Department of Interventional Radiology

Aldo Gonzalez-Beicos, MD

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Christopher S. Gomez, MD

Assistant Professor of Urology
Department of Urology

Mark L. Gonzalgo, MD, PhD

Professor & Chief of Urology
Associate Director for Clinical Affairs
Sylvester Comprehensive Cancer Center

Peter Hosein, MD

Associate Professor of Clinical Medicine
Department of Medicine
Chief, GI Medical Oncology

Issam M. Kably, MD

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Bruce R. Kava, MD, FACS

Professor of Urology, Department of Urology
University of Miami Miller School of Medicine
Chief, Urology Service Department
Veterans' Affairs Medical Center

Geetika A. Klevos, MD

Chief of Breast Interventional Oncology
Breast Imaging, Department of Radiology
Assistant Professor of Clinical Radiology

Oleksandr N. Kryvenko, MD, FCAP

Clinical Assistant Professor
Departments of Pathology and Urology

Gilberto Lopes, MD, MBA, FAMS

Associate Professor of Medicine

Beatrice L. Madrazo, MD, FACR, RVT

Professor of Clinical Radiology
Division of Body Imaging
Department of Radiology

Reshma L. Mahtani, DO

Assistant Professor of Clinical Medicine
Division of Hematology/Oncology

Murugesan Manoharan, MD, FRACS (Urol)

Professor of Urology
Department of Urology

Jaime R. Merchan, MD

Associate Professor of Medicine
Division of Hematology-Oncology

FACULTY LISTING

Prasoon P. Mohan, MD, MRCS (Eng.)

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Zoe Miller, MD

Clinical Instructor
Department of Interventional Radiology

Nipun Merchant, MD

Alan S. Livingstone Professor of Surgery
Vice Chair of Surgical Oncology Services
Chief Surgical Officer, Sylvester
Comprehensive Cancer Center

Felipe Munera, MD

Medical Director, Radiology Services
Sylvester Cancer Center and University of
Miami Hospital
Associate Professor of Clinical Radiology
Department of Radiology

Dipen J. Parekh, MD

Professor and Chair, Department of Urology
Director of Robotic Surgery
The Victor A. Politano Endowed Chair in
Urology

Lorraine Portelance, MD

Associate Professor
Vice Chair & Director of Clinical Research
Program
Department of Radiation Oncology

Sanoj Punnen, MD, MAS

Assistant Professor, Department of Urology

Jason T. Salsamendi, MD

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Eugene R. Schiff, MD, MACP, FRCP, MACG, AGAF, FAASLD

Dr. Nasser Ibrahim Al-Rashid Chair
Schiff Center for Liver Diseases
Director, Schiff Center for Liver Diseases
Director, Hepatology Research Laboratory

Gennaro Selvaggi, MD, FACS

Associate Professor of Clinical Surgery
Miami Transplant Institute

Robert Tartaglioni, MD

Clinical Instructor
Department of Interventional Radiology

Jonathan C. Trent, MD, PhD

Professor of Medicine
Department of Oncology

Shree Venkat, MD

Assistant Professor of Clinical Radiology
Department of Interventional Radiology

Rodrigo M. Vianna, MD, PhD

Director of Transplant Services
Chief, Liver and GI Transplantation
Professor of Clinical Surgery
Department of Surgery

Nursing Symposium Faculty

Christopher J. Cendan, RT(R)(VI)(ARRT)

Radiology Nurse
Department of Interventional Radiology
UMHC/Sylvester Comprehensive Cancer
Center

Carla Fazio, MSN, ARNP

Nurse Practitioner
Department of Interventional Radiology
UMHC/Sylvester Comprehensive Cancer
Center

Kevin Figueroa, RT(R)(ARRT)

Vascular Interventional Radiology Technologist
University of Miami
Sylvester Comprehensive Cancer Center

Evelyn P. Wempe, MBA, ARNP, ACNP-BC, AOCNP®, CRN®

Advanced Practice Director
Department of Interventional Radiology
UMHC/Sylvester Comprehensive Cancer
Center

AGENDA

THURSDAY, NOVEMBER 3, 2016

7:00 7:50 AM Registration and Continental Breakfast
7:50 8:00 AM Welcome Remarks • Riccardo Lencioni, MD • Raj Narayanan, MD

SESSION I: mCRC

MODERATORS: Robert J. Lewandowski, MD • Caio Max S. Rocha Lima, MD

8:00 8:15 AM Advances in Medical Management of mCRC • Caio Max S. Rocha Lima, MD
8:15 8:30 AM Treatment of Recurrent Liver Metastases After Resection • Ponnandai S. Somasundar, MD, MPH
8:30 8:45 AM Integration of Y-90 Radioembolization in the Management of mCRC • Naves K. Sharma, DO, PhD
8:45 9:00 AM Advanced Concepts in Y-90 Activity Planning: Seeing the Forest Through the Dosimi-Tree • David Liu, MD
9:00 9:15 AM Can Ablation Margins Predict Oncologic Outcomes? • Constantinos T. Sofocleous, MD, PhD
9:15 9:30 AM Contrast Enhanced Ultrasound & Fusion Imaging • Luigi A. Solbiati, MD
9:30 9:45 AM A Review of Conventional and Drug-Eluting Bead Chemoembolization • William S. Rilling, MD
9:45 10:00 AM Impact of Portal Vein Embolization on Hepatic Resection • David C. Madoff, MD
10:00 10:30 AM Coffee Break and Visit Exhibits
10:30 11:30 AM mCRC Tumor Board

MODERATOR: Constantinos T. Sofocleous, MD, PhD

PANELISTS: David Liu, MD • David C. Madoff, MD • William S. Rilling, MD • Caio Max S. Rocha Lima, MD
• Luigi A. Solbiati, MD • Ponnandai S. Somasundar, MD, MPH • Naves K. Sharma, DO, PhD

11:30 12:15 PM Symposium-1 (Non-CME)
12:15 1:00 PM Symposium-2 (Non-CME)
1:00 2:00 PM LUNCH (Exhibit Hall)

SESSION II: BREAST CANCER

MODERATORS: Daniel B. Brown, MD • Thomas Scagnelli, MD, FSIR

2:00 2:15 PM Advances in the Medical Management of Metastatic Breast Cancer • Reshma L. Mahtani, DO
2:15 2:30 PM Role of Y-90 in Metastatic Breast Cancer • Daniel B. Brown, MD
2:30 2:45 PM State of the Art - Cryoablation in Breast • Geetika A. Klevos, MD

SESSION III: NEUROENDOCRINE TUMORS

MODERATORS: Daniel B. Brown, MD • Thomas Scagnelli, MD, FSIR

2:45 3:00 PM Advances in the Medical Management of Neuroendocrine Tumors • Peter Hosein, MD
3:00 3:15 PM Y-90 for Metastatic Neuroendocrine Tumors • Robert J. Lewandowski, MD
3:15 3:30 PM Bland or Drug-Eluting Beads? • Ricardo Garcia-Monaco, MD, PhD
3:30 3:45 PM Surgical Management of Cholangiocarcinoma • Robert C.G. Martin, II, MD, PhD
3:45 4:00 PM Transarterial Treatment of Cholangiocarcinoma • Daniel Sze, MD, PhD
4:00 4:30 PM Coffee Break and Visit Exhibits

4:30 5:15 PM Symposium-3 (Non-CME)
5:15 6:30 PM Embolization Workshop (Non-CME)
COORDINATOR: Riccardo Lencioni, MD
PANELISTS: Raj Narayanan, MD • Jason T. Salsamendi, MD • Mehul Doshi, MD

6:30 7:30 PM Scotch Tasting Reception

*Agenda subject to change

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AGENDA

FRIDAY, NOVEMBER 4, 2016

7:00 8:00 AM Registration & Hot Breakfast
7:00 8:00 AM Breakfast Satellite Symposium (Non-CME)

SESSION IV: HCC

MODERATORS: Yasuaki Arai, MD • David M. Levi, MD

8:00 8:15 AM Evolving Scenario of HCC in the Era of HCV Therapy and Rising NASH • Eugene R. Schiff, MD
8:15 8:30 AM Changing Priorities in the Allocation of Liver Transplant • David M. Levi, MD
8:30 8:45 AM Current Status of Image Guided Ablation • Riccardo Lencioni, MD
8:45 9:00 AM Overview of C-TACE in 2016 • Yasuaki Arai, MD
9:00 9:15 AM DEB TACE - What's Out There and What's New • Raj Narayanan, MD
9:15 9:30 AM Update on Clinical Results of Y-90 • Riad Salem, MD
9:30 9:45 AM Combination of Locoregional and Systemic Therapies • J.F. Geschwind, MD
9:45 10:00 AM Oncological Viruses • Daniel Sze, MD, PhD
10:00 10:30 AM Coffee Break and Visit Exhibits
10:30 11:30 AM HCC Tumor Board

MODERATOR: Riccardo Lencioni, MD

PANELISTS: Kalyan Ram Bhamidimarri, MD, MPH • Lorraine Portelance, MD
• Gennaro Selvaggi, MD • Beatrice L. Madrazo, MD

11:30 12:15 PM Symposium-1 (Non-CME)
12:15 1:00 PM Symposium-2 (Non-CME)
1:00 2:00 PM LUNCH (Exhibit Hall)

SESSION V: MSK & SPINE

MODERATORS: Ricardo Garcia-Monaco, MD, PhD • Jonathan C. Trent, MD, PhD

2:00 2:15 PM Oncologic Management of Sarcoma: Where Does IO Fit in? • Jonathan C. Trent, MD, PhD
2:15 2:30 PM Percutaneous Management of Bone Tumors • Afshin Gangi, MD, PhD
2:30 2:45 PM Ablation of Desmoid Tumors • Matthew R. Callstrom, MD, PhD
2:45 3:00 PM Spine Interventions: What's New? • Aldo Gonzalez-Beicos, MD

SESSION VI: LUNG CANCER

MODERATORS: Matthew R. Callstrom, MD, PhD • Gilberto de Lima Lopes, Jr., MD, MBA

3:00 3:15 PM Medical Management of Lung Cancers and the Role of Immunotherapy
• Gilberto de Lima Lopes, Jr., MD, MBA
3:15 3:30 PM Advanced Radiation Therapy Management and Techniques • Brian E. Lally, MD
3:30 3:45 PM Ablation of Primary and Metastatic Lung Tumors: How Does It Compare to Surgery and Radiation?
• Thierry de Baere, MD
3:45 4:00 PM Transarterial Approaches and Techniques in Metastatic Lung Cancer • Shinichi Hori, MD
4:00 4:30 PM Coffee Break and Visit Exhibits
4:30 5:15 PM Symposium-3 (Non-CME)
5:15 6:30 PM Ablation Workshop (Non-CME)

COORDINATOR: Afshin Gangi, MD, PhD

PANELISTS: David J. Breen, MRCP • Matthew R. Callstrom, MD, PhD • Martijn Meijerink, MD, PhD
• Luigi A. Solbiati, MD

6:30 7:30 PM Wine Tasting (Exhibit Hall)

*Agenda subject to change

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AGENDA

SATURDAY, NOVEMBER 5, 2016

- 7:00 8:00 AM Registration and Continental Breakfast
7:00 8:00 AM Simultaneous Session: Nursing Symposium
7:00 8:00 AM Simultaneous Session: Resident/Fellows Symposium

SESSION VII: PANCREATIC CANCER

MODERATORS: David J. Breen, MRCP • Nipun Merchant, MD

- 8:00 8:15 AM Current Combination Regimens in Pancreatic Cancer • Peter Hosein, MD
8:15 8:30 AM Surgical Management of the Pancreas: The Cutting Edge • Nipun Merchant, MD
8:30 8:45 AM Percutaneous IRE of Locally-Advanced Pancreatic Cancer: Ready From Prime Time? • Raj Narayanan, MD
8:45 9:00 AM Review of Pancreatic IRE Data • Martijn Meijerink, MD, PhD
9:00 9:15 AM Radiation Therapy: Alone and in Combination with IRE • Lorraine Portelance, MD
9:15 9:30 AM Special Focus: Multivisceral Transplant • Rodrigo M. Vianna, MD, PhD
9:30 10:00 AM Pancreas Tumor Board

MODERATOR: Raj Narayanan, MD

PANELISTS: Peter Hosein, MD • Nipun Merchant, MD • Lorraine Portelance, MD

- 10:00 10:30 AM Coffee Break and Visit Exhibits

SESSION VIII: KIDNEY CANCER

MODERATORS: Thierry de Baere, MD • Peter Hosein, MD

- 10:30 10:45 AM Surgery or Ablation: Understanding Patient Selection • Mark L. Gonzalgo, MD, PhD
10:45 11:00 AM Chemotherapy Strategies in RCC • Jaime R. Merchan, MD
11:00 11:15 AM Ablation: Hot or Cold? • David J. Breen, MRCP
11:15 11:30 AM Embolization of RCC • James G. Caridi, MD
11:30 12:15 PM Symposium-1 (Non-CME)
12:15 1:00 PM Symposium-2 (Non-CME)
1:00 2:00 PM **LUNCH (Exhibit Hall)**

SYNERGY MULTIDISCIPLINARY SYMPOSIUM ON PROSTATE INTERVENTIONS

Program Directors: Shivank Bhatia, MD & Francisco Cesar Carnevale, MD, PhD

SESSION I: BASICS OF BPH & PAE

MODERATORS: Shivank Bhatia, MD • Bruce R. Kava, MD

- 2:00 2:15 PM Medical and Surgical Management of BPH • Murugesan Manoharan, MD
2:15 2:30 PM Role of Urodynamics in Patient Selection • Christopher S. Gomez, MD
2:30 2:45 PM Advances in Surgical Mx of BPH • Bruce R. Kava, MD
2:45 3:00 PM PAE Urology Perspective - When Do Urologists Call IR? • Christopher S. Gomez, MD
3:00 3:15 PM Patient Triage for PAE • Marc Sapoval, MD, PhD
3:15 3:30 PM Embolic Agents for PAE • Justin McWilliams, MD
3:30 4:00 PM Coffee Break and Visit Exhibits
4:00 4:45 PM Symposium (Non-CME)

SESSION II: WORKSHOP - PROSTATE EMBOLIZATION

MODERATORS: Jafar Golzarian, MD • Francisco Cesar Carnevale, MD, PhD

- 4:45 5:00 PM Prostate Arterial Anatomy - Essentials • Shivank Bhatia, MD
5:00 5:15 PM PAE Technical Aspects • Francisco Cesar Carnevale, MD, PhD
5:15 5:30 PM Cone Beam CT and 3D Angiogram in PAE • Jafar Golzarian, MD
5:30 5:45 PM PAE: Imaging Protocols and Interpretation • Felipe Munera, MD
5:45 6:00 PM PAE - Complications and Mx of Sequelae • Marc Sapoval, MD, PhD
6:00 PM Adjourn
6:30 7:30 PM Novemberfest for Fellows and Residents

MODERATORS: Robert B. Abrahams, MD • Prasoon P. Mohan, MD • Robert Tartaglioni, MD • Zoe Miller, MD

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AGENDA

SUNDAY, NOVEMBER 6, 2016

- 7:00 8:00 AM Registration and Continental Breakfast
7:00 8:00 AM Simultaneous Session: Nursing Symposium
7:00 8:00 AM Simultaneous Session: Resident/Fellows Symposium

SESSION III: PAE IN PROSTATE CANCER

MODERATORS: Francisco Cesar Carnevale, MD, PhD • Marc Sapoval, MD, PhD

- 8:00 8:10 AM Current Standards in the Management of Prostate Cancer • Sanoj Punnen, MD, MAS
8:10 8:20 AM State of the Art - PAE in Prostate Cancer • Shivank Bhatia, MD
8:20 8:30 AM Pathology Post PAE • Oleksandr N. Kryvenko, MD
8:30 8:40 AM Applications of Fusion Imaging in Prostate Cancer • Bradford Wood, MD
8:40 8:50 AM HIFU in Prostate Cancer • Dipen J. Parekh, MD
8:50 9:00 AM Ablation in Prostate Cancer • Afshin Gangi, MD, PhD

SESSION IV: SPECTRUM OF EVIDENCE

MODERATORS: Charles W. Nutting, DO • Mohammed I. Kably, MD

- 9:00 9:10 AM Evaluating Post PAE Outcomes: Need for Reporting Standardization • Marc Sapoval, MD, PhD
9:10 9:20 AM PAE in BPH: Does Size Matter? • Ziv Haskal, MD
9:20 9:30 AM PAE in Urinary Retention • Charles W. Nutting, DO
9:30 9:40 AM PAE in Hematuria • Mohammed I. Kably, MD
9:40 9:50 AM Current Evidence and the Road Forward • Jafar Golzarian, MD
9:50 10:00 AM IRE in Prostate Cancer • Willemien van den Bos, MD
10:00 10:30 AM Coffee Break and Visit Exhibits
10:30 11:30 AM Video Case Discussion

MODERATORS: Shivank Bhatia, MD

PANELISTS: Francisco Cesar Carnevale, MD, PhD • Jafar Golzarian, MD • Marc Sapoval, MD, PhD
• Justin McWilliams, MD • Charles W. Nutting, DO

SESSION V: PAE TIPS, TRICKS & DISCUSSION OF COMPLEX CASES

MODERATORS: Marc Sapoval, MD, PhD • Justin McWilliams, MD

- 11:30 11:40 AM Microcatheters, Wires and Coils for PAE • Jafar Golzarian, MD
11:40 11:50 AM Radial vs. Femoral Access for PAE • Ari J. Isaacson, MD
11:50 12:00 PM Understanding and Navigating Arterial Anastomoses • Francisco Cesar Carnevale, MD, PhD
12:00 1:00 PM Best for the Last: PAE Case Show – Review of Challenging Cases

MODERATORS: Francisco Cesar Carnevale, MD, PhD

PANELISTS: Shivank Bhatia, MD • Jafar Golzarian, MD • Justin McWilliams, MD
• Charles W. Nutting, DO • Marc Sapoval, MD, PhD

1:00 PM **Conference Adjourns**

*Agenda subject to change



HOTEL INFORMATION



EDEN ROC MIAMI BEACH

4525 Collins Avenue
Miami Beach, FL 33140
Phone: 305-531-0000
Toll-free: 1-800-319-5354

www.synergymiami.org/hotel

Overlooking world-renowned Miami Beach, on prestigious Millionaires Row, the Eden Roc embraces its role as a timeless treasure, flawlessly blending iconic style, modern architecture and contemporary glamour. Famous for being host to Hollywood greats, like Elizabeth Taylor, Katharine Hepburn, Lauren Bacall and Humphrey Bogart since 1956, Eden Roc continues to enchant guests and celebrities alike – providing an alluring escape with seamless, legendary service. Experience the most breathtaking views of Miami Beach from the comfort of spacious guest rooms, suites and bungalows. Where style meets the ocean – Eden Roc.

Special Rate

A block of rooms has been reserved for conference participants at a discounted rate of **US \$299/night + 13% tax /day**. Reservations must be received on or before 6 pm on **October 12, 2016**. The hotel extends the group rate 3 days pre and post conference dates based on availability. After **October 12, 2016**, reservation requests will be considered on a space-available basis.

Reservations

<https://resweb.passkey.com/go/2016synergyconference>

Call 305-531-0000 and reference Synergy 2016 Conference. All reservations must be received by **October 12, 2016**. All individual reservations must be accompanied by a first night room deposit or guaranteed with a major credit card. Hotel will not hold any reservations unless secured by one of the above methods.

#SYNERGYMIAMI16

REGISTRATION

TUITION REGISTRATION

	EARLY	LATE
	Before 10/28/16	On or After 10/28/16
☐ Physicians (MD, DO)	\$750	\$900
☐ Prostate Interventions Registration (Only Sat. & Sun.)	\$500	\$650
☐ UM/JMH Physicians (MD, DO)	\$350	\$500
☐ Nurse Practitioners	\$250	\$400
☐ UM/JMH Nurse Practitioners	\$150	\$300
☐ Nurses	\$250	\$400
☐ ARIN	\$200	\$350
☐ UM/JMH Nurses	\$150	\$300
☐ Allied Healthcare Professionals	\$250	\$400
☐ UM/JMH Allied Healthcare Professionals	\$150	\$300
☐ Technologists	\$250	\$400
☐ UM/JMH Technologist	\$150	\$300
☐ Residents	\$200	\$350
☐ UM/JMH Residents	\$15	\$165
☐ Fellows	\$200	\$350
☐ UM/JMH Fellows	\$15	\$165
☐ Researchers (PhD)	\$200	\$350
☐ Medical Students	\$15	\$165
☐ Industry Representatives	\$850	\$1000

REGISTER ONLINE BY VISITING SYNERGYMIAMI.ORG

REGISTRATION FEES INCLUDE

- Admission to all conference sessions (Panel discussions, workshops and lectures)
- Access to the Exhibit Hall
- Admission to the Friday evenings Wine Tasting
- Daily continental breakfast, refreshment breaks and lunch

MAIL IN FORM

First Name: _____
 Last Name: _____
 Degree (MD, DO, PhD, ARNP, other): _____
 Affiliation: _____
 Specialty: _____
 Last 4 digits of SSN#: _____
(For CME recording / identification purposes only)
 Mailing Address: _____
 City: _____
 State: _____ Zip/Postal Code : _____
 Daytime Telephone: _____ Fax: _____
 Email(mandatory): _____

REGISTRATION CANCELLATION POLICY

Refunds will be made only if written notice of cancellation is received prior to October 27, 2016. A \$150 fee is charged for all refunds.
 After this date, no refunds will be made. In cases where a course is canceled due to insufficient registrations, a full tuition refund will be made.

DETAILS FOR MAILING FORM

Complete this form and mail or fax (with payment) to:
 University of Miami Miller School of Medicine
 Division of CME (D23-3), P.O. Box 016960
 Miami, FL 33101-6960
 Telephone: 305-243-6716/Fax: 305-243-5613

☐ Check: Please make check payable to UM/Division of CME

***Reference Account #307668 on the check**

☐ Charge my registration fee in the amount of

\$_____ to my:

☐ Visa® ☐ MasterCard® ☐ American Express

Name on Card: _____

Card Number: _____

Expiration Date: _____

Signature of Card holder

How did you hear about this program?

☐ Brochure ☐ Email ☐ Colleague ☐ Flyer/Announcement

☐ Website ☐ Other: _____

FOR MORE INFORMATION CONTACT:

Division of Continuing Medical Education
 Tel: 305-243-6716 / Fax: 305-243-5613
cme@med.miami.edu
www.cme.med.miami.edu

SYNERGYMIAMI.ORG

ADDITIONAL INFORMATION

Scholarships

Synergy 2016 is pleased to offer a limited number of scholarships for Residents and Fellows in training. **A limited number of scholarships are available on a first-come, first-serve basis.

- Complimentary conference registration
- Up to \$500 reimbursement for roundtrip, coach airfare and hotel lodging
- Certificate of Attendance

[Click here to fill out the Scholarship Application](#)

Exhibiting/Sponsorships

Synergy 2016 offers a variety of exhibit levels and sponsorship opportunities. These unique marketing opportunities heighten your organization's visibility during the Synergy 2016 conference. For more information and to reserve your space/sponsorship, go to www.SynergyMiami.org/ExhibitorProspectus.

Contact Us

For more information, contact us at:

University of Miami Miller School of Medicine | Division of Continuing Medical Education

Tel: (305) 243-6716 / Fax: (305) 243-5613

Email: cme@med.miami.edu

Website: www.cme.med.miami.edu



NOVEMBER 3-6, 2016

Eden Roc Hotel, Miami Beach, FL

PROGRAM CHAIRS

Raj Narayanan, MD

Chairman

Department of Interventional Radiology

Professor of Clinical Radiology

University of Miami Miller School of Medicine

Riccardo Lencioni, MD, FSIR, EBIR

Vice-Chair, Clinical and Translational Research

Department of Interventional Radiology

Professor of Clinical Radiology

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