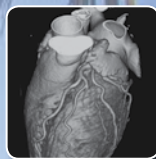
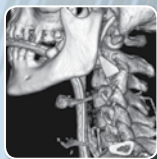


AMERICAN SOCIETY *of* EMERGENCY RADIOLOGY

2011 Postgraduate Course in Emergency and Trauma Radiology



September 14 – 17, 2011
Ritz Carlton Key Biscayne
Key Biscayne, Florida*

**just seven miles south of sunny Miami!*

PROGRAM HIGHLIGHTS

- Trauma Head to Toe – 2 Day Categorical Course
- SAM: Spine Trauma
- SAM: Musculoskeletal Trauma
- The Current and Future State of Emergency Radiology as a Specialty
- Emergency Radiology Practice Issues
- CT Protocol Optimization for Image Quality and Radiation Dose
- Ultrasound and MR in the ER
- Scientific Papers and Scientific and Educational Exhibits
- Tour of Jackson Memorial Hospital Ryder Trauma Center



Jointly Sponsored by Continuing Medical
Education Resources, Inc.



www.erad.org

COURSE OVERVIEW AND INTENDED AUDIENCE

The 2011 ASER Annual Meeting will provide a broad overview of current state-of-the-art imaging techniques to evaluate the acutely ill and injured patient. Educational sessions covering the latest advances and trends in emergency and trauma radiologic diagnosis and sessions presenting new and original scientific work are included. The meeting provides an opportunity to meet with international colleagues and discuss new and challenging aspects of emergency and trauma imaging.

The meeting will be of particular interest and importance to clinical radiologists, both in the community and academic centers, delivering emergency care. Subspecialists in emergency radiology, neuroradiology, musculoskeletal radiology, chest and abdominal radiology as well as radiology residents and fellows and emergency physicians at all levels of training will also find the educational and scientific material presented at the ASER meeting essential to their core and on-call knowledge base.

The “Trauma Head to Toe” course held on the first two days of the meeting is well-suited for radiology residents preparing for emergency radiology coverage and is an excellent review for all radiologists covering trauma centers. [The ASER is offering complimentary registration for this two day course to the first 60 residents or fellows interested in emergency radiology.](#)

MEETING GOALS AND LEARNING OBJECTIVES

At the conclusion of the course, attendees should be able to:

1. Identify imaging approaches to allow prompt assessment of the injured or ill patient.
2. Utilize methods to perform imaging examinations with optimal technique.
3. Develop and utilize a systematic approach to the assessment of traumatic injuries, from head to toe.
4. Develop and utilize a systematic approach to the assessment of non-traumatic conditions, from head to toe.

CME ACCREDITATION AND CREDIT DESIGNATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Continuing Medical Education Resources and the American Society of Emergency Radiology. Continuing Medical Education Resources is accredited by the ACCME to provide continuing medical education for physicians.

Continuing Medical Education Resources designates this live educational activity for a maximum of 29.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SELF ASSESSMENT MODULE INFORMATION

The Self Assessment Modules (SAM) presented in this activity, “**Trauma Head to Toe: Spine Trauma**” and “**Trauma Head to Toe: Musculoskeletal Trauma**”, have been qualified by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program. You may register to receive MOC Credit for these sessions and pay the associated \$35 fee during the registration process.

RETURN ON YOUR INVESTMENT

Consider the benefits received from attending this meeting:

- Top-Quality Education: A wide-ranging educational experience reflecting the latest advances in emergency radiology.
- CME: This activity has been approved for 29.25 AMA PRA Category 1 Credits™.
- Networking: Opportunity to grow professionally while building relationships with your peers.
- The registration fee includes teaching materials*, instruction, welcome reception, annual awards ceremony and reception, continental breakfasts, coffee breaks and awarding of AMA PRA Category 1 Credits™.

**Please note that the course syllabus will be on a CD-ROM. If you would like to be able to access the presentation slides during the course, we suggest you bring your own laptop computer.*

ASER 2011 FACULTY LISTING

Hani Abujudeh, MD, MBA

Massachusetts General Hospital
Boston, MA

Stephan W. Anderson, MD

Boston Medical Center
Boston, MA

Dominic A. Barron, FRCR

The General Infirmary at Leeds
Leeds, UK

Alexander B. Baxter, MD

NYU Langone Medical Center
New York, NY

Ludo F.M. Beenen, MD

Academic Medical Center
Amsterdam, The Netherlands

Lily M. Belfi, MD

New York Presbyterian Hospital
New York, NY

Mark P. Bernstein, MD

NYU Langone Medical Center/Bellevue Hospital
New York, NY

Ronald M. Bilow, MD

Memorial Hermann Hospital
Houston, TX

Jamal Bokhari, MD

Yale University School of Medicine
New Haven, CT

Marc A. Camacho, MD, MS

Beth Israel Deaconess Medical Center
Boston, MA

Lovleen Cavanagh, DO

North Shore-Long Island Jewish Health System
Long Island, NY

Teresa Chapman, MD

Seattle Children's Hospital
Seattle, WA

John K. Crowe, MD

Scottsdale Medical Imaging Ltd.
Scottsdale, AZ

Cynthia M. Day, MD

Brigham and Women's Hospital
Boston, MA

James R. Fink, MD

Harborview Medical Center
Seattle, WA

Kathleen R. Fink, MD

Harborview Medical Center
Seattle, WA

Andrew J. Fisher, MD, MBA
Radiology Imaging Associates
Denver, CO

Joel A. Gross, MD
Harborview Medical Center
Seattle, WA

Martin Gunn, MB ChB, FRANZCR
University of Washington
Seattle, WA

Stephen F. Hatem, MD
Cleveland Clinic
Cleveland, OH

Susan John, MD
Memorial Hermann Hospital
Houston, TX

Jamlik-Omari Johnson, MD
Emory Healthcare
Atlanta, GA

Michele H. Johnson, MD
Yale-New Haven Hospital
New Haven, CT

Douglas S. Katz, MD, FACR
Winthrop University Hospital
Mineola, NY

Bharti Khurana, MD
Brigham and Women's Hospital
Boston, MA

Kate A. Klein, MD
University of Michigan Health System
Ann Arbor, MI

Digna R. Kool, MD
Jeroen Bosch Hospital
's-Hertogenbosch, The Netherlands

Markus Körner, MD
Munich University Hospital
Munich, Germany

Seppo Koskinen, MD, PhD
Helsinki Medical Imaging Center
Helsinki, Finland

Jeannette Kraft, MD, MRCP, FRCR
Leeds Children's Hospital
Leeds, UK

Wayne S. Kubal, MD
University of Arizona
Tucson, AZ

Manickam Kumaravel, MD
Memorial Hermann Hospital
Houston, TX

Stephen Ledbetter, MD, MPH
Brigham and Women's Hospital
Boston, MA

Bertil Leidner, MD
Karolinska University Hospital Huddinge
Stockholm, Sweden

Ken F. Linnau, MD, MS
Harborview Medical Center
Seattle, WA

Charles R. Luttenton, MD, FACR
Advanced Radiology Services, PC
Grand Rapids, MI

F.A. Mann, MD
Seattle Radiologists, APC
Seattle, WA

Stuart E. Mirvis, MD, FACR
R. Adams Cowley Shock Trauma Center
University of Maryland Medical Center
Baltimore, MD

Felipe Munera, MD
Jackson Memorial Hospital - Ryder Trauma Center
Miami, FL

Savvas Nicolaou, MD
Vancouver General Hospital
Vancouver, BC, Canada

Robert A. Novelline, MD, FACR
Massachusetts General Hospital
Boston, MA

Diego B. Nuñez, MD, MPH
Hospital of St. Raphael
New Haven, CT

Thomas Ptak, MD, PhD, MPH
Massachusetts General Hospital
Boston, MA

Robert M. Quencer, MD
University of Miami Hospital
Jackson Memorial Medical Center
Miami, FL

Sravanthi Reddy, MD
Los Angeles County -USC Medical Center
Los Angeles, CA

Carlos S. Restrepo, MD
The University of Texas Health Science
Center at San Antonio
San Antonio, TX

Luis A. Rivas, MD
Jackson Memorial Hospital
Ryder Trauma Center
Miami, FL

Douglas D. Robertson, MD, PhD
Emory Health Center
Atlanta, GA

Lee F. Rogers, MD
University of Arizona Health Sciences Center
Tucson, AZ

Mariano Scaglione, MD
Pineta Grande Medical Center
Castel Volturno, Caserta, Italy

Gerd Schueller, MD, MBA
Medical University of Vienna
Vienna, Austria

K. Shanmuganathan, MD
R. Adams Cowley Shock Trauma Center
University of Maryland Medical Center
Baltimore, MD

Ajay K. Singh, MD
Massachusetts General Hospital
Boston, MA

Carlos J. Sivit, MD
Rainbow Babies and Children's Hospital
Cleveland, OH

Clint W. Sliker, MD
R. Adams Cowley Shock Trauma Center
University of Maryland Medical Center
Baltimore, MD

Aaron Sodickson, MD, PhD
Brigham and Women's Hospital
Boston, MA

Jorge A. Soto, MD
Boston Medical Center
Boston, MA

Leonard E. Swischuk, MD
University of Texas Medical Branch
Galveston, TX

Johnny Vlahos, MD
New York University Medical Center
New York, NY
St. George's Hospital - London, UK

O. Clark West, MD, FACR
Memorial Hermann Hospital
Houston, TX

Anthony J. Wilson, MB ChB
Madigan Army Medical Center
Tacoma, WA

Joseph S. Yu, MD
The Ohio State University Medical Center
Columbus, OH

Brian J. Zink, MD
Rhode Island & The Miriam Hospitals
Providence, RI

Alejandro Zuluaga S., MD
Universidad CES - CEDIMED
Medellin, Colombia

DAILY 9/14/11 - 9/17/11

7:00 AM – 8:00 AM	Continental Breakfast (Registrants only)
7:00 AM – 5:30 PM	Registration, Scientific and Educational Posters, Cases of the Day and Exhibit Hours

WEDNESDAY 9/14/11

7:15 AM – 7:45 AM	Siemens Medical Solutions USA Sponsored Breakfast Update	
8:00 AM – 8:05 AM	Welcome and Opening Remarks	Stephen F. Hatem, MD

Trauma Head to Toe: Emergency Radiology Practice Issues *Moderator: Charles R. Luttenton, MD, FACR*

8:05 AM – 8:30 AM	Improving Quality in Radiology: Communication is Key!	Hani Abujudeh, MD, MBA
8:30 AM – 8:55 AM	CT Radiation Exposure - What You Need to Know	Aaron Sodickson, MD, PhD
8:55 AM – 9:20 AM	Advances in Image Transfer	Martin Gunn, MB ChB, FRANZCR
9:20 AM – 9:35 AM	Question and Answer Session	
9:35 AM – 9:50 AM	Break and Poster Presentation Session I	

Founder's Session *Moderator: Robert A. Novelline, MD, FACR*

9:50 AM – 9:55 AM	The Founding of ASER and Introduction of Brian J. Zink, MD	Robert A. Novelline, MD, FACR
9:55 AM – 10:20 AM	History of Emergency Medicine	Brian J. Zink, MD
10:20 AM – 10:25 AM	Introduction of Stephen Ledbetter, MD, MPH	Diego B. Nuñez, MD, MPH
10:25 AM – 11:05 AM	Founder's Lecture: The Future of Emergency Radiology	Stephen Ledbetter, MD, MPH
11:05 AM – 11:10 AM	Introduction of John K. Crowe, MD	O. Clark West, MD, FACR
11:10 AM – 11:35 AM	The ABR Perspective: Your Career's Foundation in Times of Rapid Change	John K. Crowe, MD
11:35 AM – 11:50 AM	Question and Answer Session	
11:50 AM – 12:05 PM	Break and Poster Presentation Session II	
12:05 PM – 1:10 PM	Lunch Break	
12:05 PM – 1:05 PM	ASER Lunch with Scientific Session I (Closed Session - Members Only) Moderator: Marc A. Camacho, MD, MS	

Trauma Head to Toe: Self Assessment Module - Spine Trauma *Moderator: Ronald M. Bilow, MD*

1:10 PM – 1:40 PM	C-Spine Trauma: Skull Base to C2	Stuart E. Mirvis, MD, FACR
1:40 PM – 2:10 PM	C-Spine Trauma: C3-C7	O. Clark West, MD, FACR
2:10 PM – 2:40 PM	Thoracolumbar Spine Trauma	Mark P. Bernstein, MD
2:40 PM – 2:55 PM	Question and Answer Session	
2:55 PM – 3:10 PM	Break and Poster Presentation Session III	

Trauma Head to Toe: Self Assessment Module - Musculoskeletal Trauma

Moderator: Douglas D. Robertson, MD, PhD

3:10 PM – 3:55 PM	Early Missed Fractures - Lower Extremity	Joseph S. Yu, MD
3:55 PM – 4:40 PM	Early Missed Fractures - Upper Extremity	Lee F. Rogers, MD
4:40 PM – 4:50 PM	Question and Answer Session	
4:50 PM – 5:05 PM	Break and Poster Presentation Session IV	

5:05 PM	Adjourn	
5:30 PM – 7:00 PM	Welcome Reception - Join us for light hors d'oeuvres and a hosted bar	

THURSDAY 9/15/11

7:15 AM – 7:45 AM	Toshiba America Medical Systems Sponsored Breakfast Update	
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Trauma Head to Toe: Musculoskeletal Trauma *Moderator: F.A. Mann, MD*

8:00 AM – 8:25 AM	Extremity Orthopedic Hardware - What to Look For	Manickam Kumaravel, MD
8:25 AM – 8:50 AM	MRI and CT in Knee Trauma and Overuse Injuries	Seppo Koskinen, MD, PhD
8:50 AM – 9:15 AM	MRI for Hip Pain in the ED	Bharti Khurana, MD
9:15 AM – 9:40 AM	Understanding Acetabular Fracture Classification	Anthony J. Wilson, MB ChB
9:40 AM – 10:05 AM	Midfoot Injuries	Dominic A. Barron, FRCR
10:05 AM – 10:15 AM	Question and Answer Session	
10:15 AM – 10:30 AM	Break and Poster Presentation Session V	

Trauma Head to Toe: Neuro Trauma *Moderator: Ludo F.M. Beenen, MD*

10:30 AM – 10:55 AM	Primary Traumatic Brain Injury	James R. Fink, MD
10:55 AM – 11:20 AM	Secondary Traumatic Brain Injury - Beyond Contusion	Thomas Ptak, MD, PhD, MPH
11:20 AM – 11:45 AM	Skull Base Fractures	Clint W. Sliker, MD
11:45 AM – 12:10 PM	MDCT of Facial Trauma	Robert A. Novelline, MD, FACR
12:10 PM – 12:35 PM	Role of MR in the Evaluation of Acute Spinal Cord Injuries	Robert M. Quencer, MD
12:35 PM – 12:45 PM	Question and Answer Session	
12:45 PM – 1:50 PM	Lunch Break	
12:50 PM – 1:50 PM	ASER Lunch with Scientific Session II (Closed Session - Members Only) Moderator: Douglas D. Robertson, MD, PhD	
1:50 PM – 2:05 PM	Break and Poster Presentation Session VI	

Trauma Head to Toe: Torso Trauma I *Moderator: Joel A. Gross, MD*

2:05 PM – 2:30 PM	Whole Body MDCT Protocols	K. Shanmuganathan, MD
2:30 PM – 2:55 PM	Penetrating Wounds to the Torso: Evaluation with Triple Contrast MDCT	Felipe Munera, MD
2:55 PM – 3:20 PM	Minimal Aortic Injury	Luis A. Rivas, MD
3:20 PM – 3:30 PM	Question and Answer Session	
3:30 PM – 3:45 PM	Break and Poster Presentation Session VII	

Trauma Head to Toe: Torso Trauma II *Moderator: Bertil Leidner, MD*

3:45 PM – 4:10 PM	Solid Organ Injuries	Gerd Schueller, MD, MBA
4:10 PM – 4:35 PM	Renal and Bladder Trauma	Joel A. Gross, MD
4:35 PM – 5:00 PM	Bowel and Mesenteric Injuries in Blunt Abdominal Trauma	Marc A. Camacho, MD, MS
5:00 PM – 5:10 PM	Question and Answer Session	
5:10 PM	Adjourn	
5:30 PM – 7:00 PM	Siemens Medical Solutions USA Satellite Symposium and Reception	

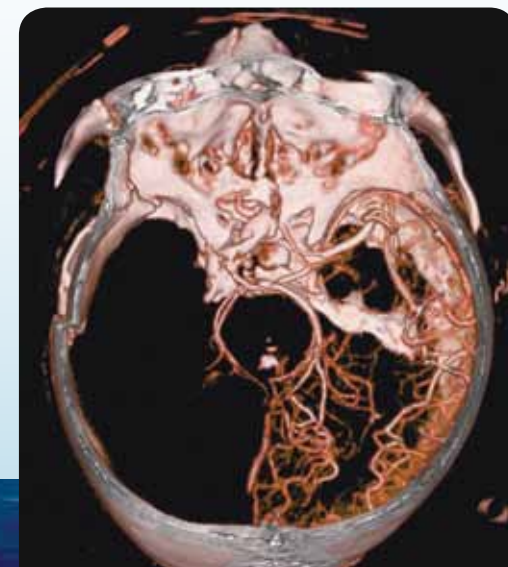
FRIDAY 9/16/11

7:15 AM – 7:45 AM	Philips Healthcare Sponsored Breakfast Update	
Chest Moderator: <i>Mariano Scaglione, MD</i>		
8:00 AM – 8:25 AM	High Resolution CT in the ER Pulmonary Patient	Carlos S. Restrepo, MD
8:25 AM – 8:50 AM	PE Imaging	Johnny Vlahos, MD
8:50 AM – 9:15 AM	CT in Non-traumatic Acute Aortic Syndromes	Alejandro Zuluaga S., MD
9:15 AM – 9:40 AM	MDCT - One Stop Shop for the Assessment of Acute Chest Pain	Savvas Nicolaou, MD
9:40 AM – 9:50 AM	Question and Answer Session	
9:50 AM – 10:05 AM	Break and Poster Presentation Session VIII	
Neuro Moderator: <i>Wayne S. Kubal, MD</i>		
10:05 AM – 10:30 AM	"I Have a Headache" - Non-hemorrhagic Causes	Kathleen R. Fink, MD
10:30 AM – 10:55 AM	"My Headache is Worse" - ICH Workup	Wayne S. Kubal, MD
10:55 AM – 11:20 AM	Workup and Management of Stroke	Michele H. Johnson, MD
11:20 AM – 11:30 AM	Question and Answer Session	
11:30 AM – 11:55 AM	Role of Imaging in the Workup of Vertigo in the Emergency Department	Lovleen Cavanagh, DO
11:55 AM – 12:20 PM	Brain Masses - The New ER Diagnosis	Alexander B. Baxter, MD
12:20 PM – 12:45 PM	"I Can't See! I Can't Swallow!"	Diego B. Nuñez, MD, MPH
12:45 PM – 1:10 PM	Acute Non-traumatic Spinal Abnormalities	Robert M. Quencer, MD
1:10 PM – 1:20 PM	Question and Answer Session	
1:20 PM	Adjourn	
1:30 PM – 5:30 PM	Tour of Jackson Memorial Hospital Ryder Trauma Center (Additional Fee Required)	

SATURDAY 9/17/11

7:15 AM – 7:45 AM	ASER Business Meeting	
Pediatric Moderator: <i>Susan John, MD</i>		
8:00 AM – 8:25 AM	Pediatric Emergencies - A Night in the ED	Lily M. Belfi, MD
8:25 AM – 8:50 AM	Child Abuse	Susan John, MD
8:50 AM – 9:15 AM	Pediatric GU Emergencies	Carlos J. Sivit, MD
9:15 AM – 9:25 AM	Question and Answer Session	
9:25 AM – 9:50 AM	Pediatric Lung and Airway Emergencies	Teresa Chapman, MD
9:50 AM – 10:15 AM	Musculoskeletal Infection in Children	Jeannette Kraft, MD, MRCP, FRCR
10:15 AM – 10:40 AM	Pediatric GI Emergencies	Leonard E. Swischuk, MD
10:40 AM – 10:50 AM	Question and Answer Session	
10:50 AM – 11:05 AM	Break and Poster Presentation Session IX	

Ultrasound Moderator: <i>Sravanthi Reddy, MD</i>		
11:05 AM – 11:30 AM	Ultrasound in the ED	Markus Körner, MD
11:30 AM – 11:55 AM	The Terrible T's of Testicular Ultrasound	Jamal Bokhari, MD
11:55 AM – 12:05 PM	Question and Answer Session	
12:05 PM – 1:10 PM	Lunch Break	
12:10 PM – 1:10 PM	ASER Lunch with Scientific Session III (Closed Session - Members Only) Moderator: Andrew J. Fisher, MD, MBA	
1:10 PM – 1:25 PM	Break and Poster Presentation Session X	
Abdomen I Moderator: <i>Digna R. Kool, MD</i>		
1:25 PM – 1:50 PM	Current Protocol Considerations in Abdominal Pain	Stephan W. Anderson, MD
1:50 PM – 2:15 PM	CTA of Lower GI Bleeding	Jorge A. Soto, MD
2:15 PM – 2:40 PM	Imaging of the Acute Abdomen in Pregnancy	Douglas S. Katz, MD, FACR
2:40 PM – 2:55 PM	Question and Answer Session	
2:55 PM – 3:10 PM	Break and Poster Presentation Session XI	
Abdomen II Moderator: <i>Kate A. Klein, MD</i>		
3:10 PM – 3:35 PM	Imaging of Lower Quadrant Abdominal Pain	Ajay K. Singh, MD
3:35 PM – 4:00 PM	Vascular Causes and Complications in Acute Abdominal Pain	Cynthia M. Day, MD
4:00 PM – 4:25 PM	Acute Manifestations of Herniations of the Abdomen: Traumatic and Non-traumatic	Ken F. Linnau, MD, MS
4:25 PM – 4:50 PM	Emergency Imaging of the Bowel	Jamlik-Omari Johnson, MD
4:50 PM – 5:00 PM	Question and Answer Session	
5:00 PM	Adjourn	
6:00 PM – 9:00 PM	Annual Awards Ceremony and Reception	



REGISTRATION INFORMATION

Register now at www.erad.org!

There are three easy ways to register:

- By internet at www.erad.org
- By fax at 713.960.0488*
- By mail at ASER Annual Meeting, 4550 Post Oak Place, Suite 342, Houston, Texas 77027*

*A *hardcopy registration form is available on the society website. However, please note that there is an additional fee of \$20 if you register by mail or fax. Save time and the extra fee by registering online.*

Registration Fees

	On or Before 8/7/11	After 8/7/11	One Day	On-Site†
ASER Member	\$645	\$745	\$250	\$770
Non-Member (Physician)	\$795	\$895	\$300	\$920
ASER Member in Training*	\$370	\$470	\$125	\$495
Non-Member in Training*	\$470	\$570	\$150	\$595
Allied Health Professional**	\$470	\$570	\$150	\$595
Two-Day Trauma Head to Toe Course***	Complimentary			

*Proof of resident and fellow status must be faxed to 713.960.0488.

**Certificates of attendance will be available.

***Offer for residents and fellows in emergency radiology only and is limited to the first 60 registrants.

Proof of resident and fellow status must be faxed to 713.960.0488.

Optional Activities

Guest Daily Continental Breakfasts	\$140
Self Assessment Module – MOC Credit	\$35
Ryder Trauma Center Tour*	\$35

*Please visit www.erad.org for a detailed description of this tour.

Registration Dates

The early bird advanced registration deadline is Sunday, August 7. Registrations received after this date will be charged an additional \$100, as noted in the registration fees.

†Online registration will close Sunday, September 4. After this date, attendees must register on-site and pay on-site registration fees.

Registration Cancellation Policy

A \$100 administrative fee will be retained if you cancel your meeting registration for any reason. In order to receive a refund of the balance, written notice must be received no later than **Wednesday, August 31**. No refunds will be made after this date.

MEETING MANAGEMENT

Jessica Whalen, CMP
 Director, Meetings and Events
 International Meeting Managers, Inc.
 4550 Post Oak Place, Suite 342
 Houston, TX 77027
 713.965.0566 Phone
 713.960.0488 Fax
asermeetingsdept@meetingmanagers.com

If you have any special needs, please contact IMM at the above address in writing at least two weeks before the meeting to ensure that your needs will be met.

HOTEL AND TRAVEL INFORMATION

Ritz Carlton Key Biscayne

455 Grand Bay Dr.
 Key Biscayne, FL 33149
 1.800.241.3333 *Reservations*
 305.365.4500 *Phone*

\$169.00 Single/Double Resort View Room
 (Applicable taxes, currently 13%)
 Group block deadline: August 22

Please visit www.erad.org for detailed hotel and travel information including discount codes for travel arrangements.



FEATURED SPEAKERS

H. Abujuadeh
S. Anderson
D. Barron
M. Bernstein
J. Bokhari
M. Camacho
J. Crowe
J. Gross
M. Gunn
S. John
M. Johnson
D. Katz
M. Körner

S. Koskinen
W. Kubal
S. Ledbetter
S. Mirvis
F. Munera
S. Nicolaou
R. Novelline
D. Nuñez
T. Ptak
R. Quencer
S. Restrepo
L. Rivas
L. Rogers

K. Shanmuganathan
C. Sivit
C. Sliker
A. Sodickson
J. Soto
L. Swischuk
J. Vlahos
C. West
A. Wilson
J. Yu
B. Zink

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