Program Directors

A. Jamil Tajik, M.D., FACC
John J. Lynch, M.D., FACC
Robert L. Scott, M.D., Ph.D., FACC
Charanjit S. Rihal, M.D., FACC

Early registration begins on July 24, 2009 at 1:30 p.m.
COURSE DESCRIPTION

There is explosive growth in diagnosis and treatment modalities taking place in the field of cardiovascular disease. This is creating an exciting, but challenging situation for teams taking care of patients with cardiovascular disease. The purpose of this meeting is to provide the needed information distilled in a manner that can be applied to clinical practice. The scope of the program is broad and will cover a wide spectrum of diseases ranging from ischemic heart disease to cardiovascular health.

Participants will have ample time to discuss topics with individual faculty members. Learning methods will include didactic lectures and Q & A panel discussions. No hands-on demonstrations will be provided. Detailed syllabus materials will be provided.

COURSE LEARNING OBJECTIVES

Upon conclusion of this program, participants should be able to:

• Summarize the latest diagnostic and management strategies for patients with valvular heart disease
• Integrate guidelines for optimal timing of intervention in valvular heart disease
• Recognize newer concepts in management of heart failure including role of imaging modalities
• Define current controversies and unmet needs in pharmacologic management of heart failure
• Formulate a better approach to evaluating valve patients and planning medical/surgical treatment
• Differentiate features of constriction from restriction
• Diagnose and treat hypertrophic cardiomyopathy
• Report management issues in STEMI and NSTEMI
• Describe antiplatelet agents and the role they play in ischemic heart disease

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

INTENDED AUDIENCE

This course is intended for practicing adult cardiologists, cardiovascular surgeons, cardiovascular trainees, general internists, and allied health personnel with a cardiovascular interest.

CREDIT

College of Medicine, Mayo Clinic is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

College of Medicine, Mayo Clinic designates this educational activity for a maximum of 16 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
EDUCATIONAL GRANTS

At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

Exhibits will be available for viewing at all scheduled breakfasts and breaks. These will be located in the Hopi Ballroom.

DATE AND LOCATION

Cardiology Update in Sedona… A Weekend Review will be held July 24-26, 2009 with registration beginning on Friday, July 24 at 1:30 p.m. Course headquarters will be located in The Enchantment Resort located at 525 Boynton Canyon Road, Sedona, AZ 86336.

Registration will be held in the Pavilion Foyer.

The conference will be held in the Navajo/Apache Ballroom.

Meeting site telephone:
Phone: 928-282-2900
Fax: 928-282-9249

REGISTRATION

The registration fee includes tuition, comprehensive course syllabus, continental breakfasts, and reception. Although it is not Mayo School of Continuous Professional Development policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation will be sent upon receipt of payment and completed registration form. If you do not receive a confirmation letter within one week of submitting your application, please contact us at 507-284-2509. Please present the confirmation letter when checking in at the meeting registration desk.

CANCELLATION POLICY

If you cancel your participation in this course, your registration fee, less a $75 administrative fee, will be refunded when written notification is received by Mayo School of Continuous Professional Development (MSCPD) before Wednesday, July 8, 2009 (fax#: 507-284-0532). No refunds will be made on or after Wednesday, July 8, 2009. Canceled registrations are non-transferable.

MSCPD reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event MSCPĐ must cancel or postpone this course, MSCPĐ will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.
**TRAVEL**

Sedona has been voted as one of the top ten most beautiful places in America to visit. Sedona, Arizona is a friendly city that greets thousands of visitors from around the world each year. Sedona is located 2 hours North of Phoenix, 45 minutes South of Flagstaff, and 2 1/2 hours from the Grand Canyon.

Recommended shuttle service: [www.sedona-phoenix-shuttle.com](http://www.sedona-phoenix-shuttle.com)

This is a shared ride van service and will take approximately 2 ½-3 hours for arrival.

Reservations are required. Reservation center hours: 6:00 a.m.-9:00 p.m. daily Arizona time. Refer to “Cardiology Update in Sedona” when making the reservation.

$55 one-way/$90 round-trip to The Enchantment Resort

*Travel arrangements are the sole responsibility of the individual registrant.*

**DRIVING DIRECTIONS FROM PHOENIX AIRPORT**

Travel north on Interstate 17 to Exit 287, Hwy. 260 - Cottonwood. Take a left (North West) for about 15 miles to Highway 89A. Take a right on 89A and continue for about 16 miles. The second traffic light in Sedona is Dry Creek Road. Turn left and proceed North for 5 miles. Follow the signs to Enchantment Resort. Estimated travel time - 2 hours.

Alternate Route: Travel north on Interstate 17 for 100 miles to Exit 298. Follow 179 North toward Sedona. Continue through the Village of Oak Creek 15 miles to the intersection of 179 and Highway 89A. Turn left and proceed 3 miles through West Sedona to Dry Creek Road. Turn right and proceed North for 5 miles. Follow the signs to Enchantment Resort. Estimated travel time - 2 hours.

**LODGING ACCOMMODATIONS**

Enchantment Resort ([http://www.enchantmentresort.com/](http://www.enchantmentresort.com/)) is located two hours north of Phoenix in spectacular Red Rock country, surrounded by Arizona’s beautiful Coconino National Forest. The Resort is surrounded by the majestic red rock formations of Northern Arizona’s Boynton Canyon. Enchantment Resort combines luxury with rugged grandeur inspired by Native American culture which is honored every day through the resort’s Native American Program.

Enchantment Resort, in Sedona, is 110 miles north of Phoenix. At the heart of Arizona’s ‘Red Rock Country,’ the Coconino National Forest, replete with archaeological rarities and rich Southwestern history, borders the property. An altitude of 4,600 feet ensures that even the hottest Arizona weather is within the comfort zone.

The resort’s adobe casita-style accommodations offer world-class comforts amid its pristine 70-acre setting. Luxury suites and bedrooms at Enchantment Resort offer casual sophistication with southwest interiors in rich earth colors. Every room has an outdoor deck for viewing the serenity and beauty of Boynton Canyon. For guest convenience, every room has a mini-bar, coffee maker, safe, complimentary high speed internet, in-room movies/
LODGING ACCOMMODATIONS - continued

Nintendo, iron with full size ironing board, hair dryer and bathrobes. Service is provided twice daily by our Executive Housekeeping Staff.

Guest Events include: Native American Cultural Program including Navajo Flute Music, Meditations and Storytelling Medicine Walks and Storytelling with a Native American Elder, Guided Hikes, Journey of Teas, Gourd Pottery Art Classes, Wine Tastings, Guest Lectures; Tuesday and Friday evenings and Saturday afternoons, Narrated Star Gazing on Friday or Saturday Nights.

Guest rooms have been reserved for attendees and their guests with special course rates. These special rates are listed below. In order to receive the special rate, reservations must be made before the room block is filled or before the expiration date of **Wednesday, June 24, 2009**, whichever comes first. Please call **800-826-4180** for a reservation and state you will be attending the Mayo Clinic course in July. Guest check-in is at 4:00 p.m. on arrival day and reserved until 12:00 noon on departure day. In addition to the rates above, there will be a daily resort fee of $11.00 per room, per day plus applicable taxes, and a one-time porterage fee of $12.00 per person. The resort fee will include high speed internet in each guest room, housekeeping service charges, local phone calls and 1-800 access fees, newspaper and freshly squeeze orange juice delivered to your door every morning, bottled water delivered each evening with turn-down service, entry to Mii amo for use of all equipment and amenities (adult only facility), use of seven tennis course, swimming pools, a championship croquet court, 6-hole pitch ‘n putt golf course and mountain bikes, events and activities presented by the activities department (examples are art classes, special lectures, demonstrations, performances, and Native American program).

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casita Bedroom/Deluxe Studio</td>
<td>$215</td>
</tr>
<tr>
<td>Casita Junior Suite</td>
<td>$295</td>
</tr>
<tr>
<td>Casita Suite (one bedroom)</td>
<td>$455</td>
</tr>
</tbody>
</table>

Lodging arrangements are the sole responsibility of the individual registrant.

**DINING**

To experience the ultimate in fine dining in Sedona, visit the AAA Four Diamond rated Yavapai Restaurant for breakfast, lunch, dinner and Sunday Brunch. Graced by a Randy Hedden mural and elegant Southwest interiors, your breath will be taken away by views of Boynton Canyon through massive windows providing a 180-degree view. Enjoy a sumptuous breakfast or delightful Jazz Brunch on Sundays. Lunch is for those who want to savor the view as well as the cuisine. In the evening, collared shirts are required dress code for gentlemen. No jeans or athletic shoes. Tii Gavo is the casual restaurant at Enchantment with a more relaxed atmosphere. Be sure and explore the specialty drink menu with flavored martinis and signature drink-- a prickly pear margarita.

Mii amo Cafe’s contemporary, eclectic cuisine combines regional flavors with healthy cooking techniques...emphasizing a variety of grains, legumes, seasonal produce and fresh meats, seafood and poultry. Cooking demonstrations
DINING - continued

are scheduled weekly for spa and resort guests. The Juice Bar features a broad selection of energy drinks smoothies, wines and specialty beverages. A selection of light fare is offered poolside.

In addition to the restaurants, guests are also free to dine on outdoor terraces, in the privacy of their own guest rooms, or poolside during summer months.

PARKING

Complimentary parking is available at the resort.

SOCIAL PROGRAMS

Welcome Reception – Friday, July 24, 2009
Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Friday, July 24 from 6:30-7:30 p.m. on the Village Terrace. This casual reception welcomes you to Sedona, Arizona, officially opens the course, and offers you the perfect opportunity to make connections with existing and new colleagues.

RECREATION/LEISURE ACTIVITIES

What To Do In Sedona: [http://www.sedona.net/category.php/swmc/whattodo](http://www.sedona.net/category.php/swmc/whattodo)

FACULTY

Program Directors

A. Jamil Tajik, M.D., FACC
Thomas J. Watson, Jr. Professor and Professor of Medicine and Pediatrics, Mayo Clinic; Chairman (Emeritus), Zayed Cardiovascular Center, Mayo Clinic, Rochester, MN; Consultant, Division of Cardiovascular Diseases, Internal Medicine, and Pediatric Cardiology, Mayo Clinic, Scottsdale, AZ

John J. Lynch, M.D., FACC
Assistant Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Mayo Clinic, Scottsdale, AZ

Robert L. Scott, M.D., Ph.D., FACC
Associate Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine; Medical Director, Cardiac Transplantation; Director, Advanced Heart Failure Clinic, Mayo Clinic, Scottsdale, AZ

Charanjit S. Rihal, M.D., FACC
Professor of Medicine; Consultant, Division of Cardiovascular Diseases and Internal Medicine; Director, Cardiac Catheterization Laboratory, Mayo Clinic, Rochester, MN
FACULTY - continued

Faculty

Samuel J. Asirvatham, M.D., FACC
Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Division of Pediatric Cardiology; Program Director, Cardiac Electrophysiology Fellowship Program, Mayo Clinic, Rochester, MN

Hari P. Chaliki, M.D., FACC
Assistant Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine; Director, Valvular Heart Disease Clinic, Mayo Clinic, Scottsdale, AZ

Krishnaswamy Chandrasekaran, M.D., FACC, FASE
Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Mayo Clinic, Scottsdale, AZ

Prakash C. Deedwania, M.D., FACC, FAHA
Professor of Medicine, UCSF School of Medicine, San Francisco, CA; Chief, Cardiology Section, UCSF Program, Fresno, CA; Director, Cardiovascular Research, UCSF Program, Fresno, CA; Clinical Professor of Medicine, Stanford University, Palo Alto, CA

Umaima Fatima, M.D., FACC
Director of Cardiac and Vascular Imaging at Cardiovascular Institute of Arizona; Director of Cardiac CT/MRI at Banner Good Samaritan Hospital, Phoenix, AZ

Gerald T. Gau, M.D., FACC
Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Mayo Clinic, Rochester, MN

Robert (Todd) T. Hurst, M.D., FACC
Assistant Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Mayo Clinic, Scottsdale, AZ

Arshad Jahangir, M.D., FACC, FSGC
Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine; Director, CardioGerontology Research Laboratory, Mayo Clinic, Scottsdale, AZ

Prasad M. Panse, M.D.
Assistant Professor of Radiology; Senior Associate Consultant, Department of Radiology, Mayo Clinic, Scottsdale, AZ

Partho P. Sengupta, M.D., DM
Assistant Professor of Medicine, Mayo Clinic, Scottsdale, AZ

Komandoor Srivathsan, M.D., MRCP (U.K.)
Assistant Professor of Medicine; Consultant, Electrophysiologist, Mayo Clinic, Scottsdale, AZ
FRIDAY, JULY 24, 2009

Spend the morning enjoying the beauty of Sedona. Lunch on your own with family and friends.

1:30 p.m.  Registration – Pavilion Foyer
2:00 p.m.  Welcome and Course Objectives
Drs. John J. Lynch, Charanjit S. Rihal, Robert L. Scott, and A. Jamil Tajik

VALVULAR HEART DISEASE
Dr. A. Jamil Tajik, presiding

2:15 p.m.  Cardiac CT and MRI Evaluation of Valvular Heart Disease: Incremental Value
Umaima Fatima, M.D.

2:35 p.m.  Journey of Aortic Valve From Sclerosis to Stenosis
A. Jamil Tajik, M.D.

2:55 p.m.  Management of Asymptomatic Severe Aortic Stenosis: Should You Consider Exercise Testing?  ACC/AHA Guidelines Say…
John J. Lynch, M.D.

3:15 p.m.  Percutaneous Aortic Valve Replacement: Current Status
Charanjit S. Rihal, M.D.

3:35 p.m.  Asymptomatic Severe Mitral Regurgitation: Natural History. Timing of Operation.  ACC/AHA Guidelines Recommend…
A. Jamil Tajik, M.D.

3:55 p.m.  Percutaneous Repair for Mitral Regurgitation: Current Status
Charanjit S. Rihal, M.D.

4:15 p.m.  Severe Aortic Regurgitation: What Should I Do?  Operate? Vasodilators?  Wait and Watch?
Hari P. Chaliki, M.D.

4:35 p.m.  Panel Discussion and Challenging Illustrative Cases of Valvular Heart Disease
Drs. Lynch, Fatima, Chaliki, and Rihal; Dr. Tajik, moderator

6:00 p.m.  Adjourn

6:30-  Welcome Reception on Village Terrace
7:30 p.m.  Participants, Faculty, Exhibitors, and Guests Welcome

SATURDAY, JULY 25, 2009

7:30 a.m.  Continental Breakfast – Visit Exhibits

VULNERABLE PLAQUE/VULNERABLE PATIENT
Dr. Charanjit S. Rihal, presiding

8:00 a.m.  Emerging Paradigm in Atherothrombosis. Antithrombotic Therapy in ACS.
Charanjit S. Rihal, M.D.

8:20 a.m.  Obesity Epidemic: Burden of the Problem and Current Challenges
Prakash C. Deedwania, M.D.
8:40 a.m. Managing Hyperlipidemia. The HDL Conundrum! How Low Is Low?  
Gerald T. Gau, M.D.

9:00 a.m. Diabetic Heart Disease. What Must A Cardiologist Know. The Controversies in Management  
Prakash C. Deedwania, M.D.

9:20 a.m. COURAGE and Beyond! Making the Point  
Gerald T. Gau, M.D.

9:45 a.m. Counter Point: Having the COURAGE to Tell the Truth About COURAGE!  
Charanjit S. Rihal, M.D.

10:10 a.m. Panel Discussion  
Drs. Deedwania and Gau; Dr. Rihal, moderator

10:30 a.m. Refreshment Break – Visit Exhibits

**HEART FAILURE/PULMONARY HYPERTENSION: STATE-OF-THE-ART 2009**

**Dr. Robert L. Scott, presiding**

11:00 a.m. Chronic Heart Failure: Drugs and Combination Therapy?  
Robert L. Scott, M.D., Ph.D.

11:25 a.m. Acute Heart Failure: Latest Approaches  
Prakash C. Deedwania, M.D.

11:50 a.m. Current Role of CRT in Refractory Heart Failure  
Komandoor Srivathsan, M.D., MRCP

12:15 p.m. Destination Therapy, Artificial Heart, Assist Device: Status Report 2009  
Robert L. Scott, M.D., Ph.D.

12:35 p.m. Panel Discussion  
Drs. Deedwania and Srivathsan; Dr. Scott, moderator

**OPTIONAL WORKSHOP LUNCH** – Must Register In Advance

12:55 p.m. Optional Workshop Lunch – Location: Main Ballroom  
COURAGEous Medical Therapy for CAD – Case Examples  
Gerald T. Gau, M.D.

12:55 p.m. Lunch – Village Terrace

**ARRHYTHMIA FOR THE NON-ELECTROPHYSIOLOGIST**

**Dr. Arshad Jahangir, presiding**

2:00 p.m. Pharmacologic Management Strategies for Atrial and Ventricular Fibrillation.  
Komandoor Srivathsan, M.D., MRCP

2:25 p.m. Non-Pharmacologic Management Strategies for Atrial and Ventricular Fibrillation  
Samuel J. Asirvathsam, M.D.

2:50 p.m. Cardio-Gerontology: The Science and Art of Cardiac Senescence  
Arshad Jahangir, M.D.
Program Schedule

3:15 p.m.  Sudden Death: For Whom the Bell Tolls? Science and Art of Prevention
            Samuel J. Asirvathsam, M.D.

3:40 p.m.  Panel Discussion
            Drs. Srivathsan and Asirvathsam; Dr. Jahangir, moderator

4:00 p.m.  Refreshment Break – Visit Exhibits

MYOCARDIAL/PERICARDIAL DISEASE
Dr. John J. Lynch, presiding

4:20 p.m.  Multimodality Imaging and Myocardial/Pericardial Disorders
            Prasad M. Panse, M.D.

4:40 p.m.  Hypertrophic Cardiomyopathy 2009: Who Needs ICD?
            Candidate For Surgery or Septal Ablation?
            A. Jamil Tajik, M.D.

5:00 p.m.  Constrictive Pericarditis: Diagnosis, Treatment. Distinguishing Constriction From Restriction
            Partho P. Sengupta, M.D.

5:20 p.m.  Stress-Induced Cardiomyopathy: From Public Speaking to Octopus Pots
            Charanjit S. Rihal, M.D.

5:40 p.m.  Panel Discussion
            Drs. Panse, Tajik, Sengupta, and Rihal; Dr. Lynch, moderator

5:50 p.m.  Adjourn

SUNDAY, JULY 26, 2009

7:30 a.m.  Continental Breakfast – Visit Exhibits

ADVANCES IN MULTIMODALITY IMAGING
Dr. A. Jamil Tajik, presiding

8:00 a.m.  Mysteries of Diastole and of Diastolic Heart Disease
            A. Jamil Tajik, M.D.

8:20 a.m.  Real-Time 3-D Echo. New Paradigm in Imaging
            Krishnaswamy Chandrasekaran, M.D.

8:40 a.m.  Vortex Imaging: New Frontier
            Partho P. Sengupta, M.D.

9:00 a.m.  How Old Are Your Arteries? Assessment of Vascular Health
            Robert (Todd) T. Hurst, M.D.

9:20 a.m.  Multi-Slice CT and Cardiac MR: Current Status
            Umaima Fatima, M.D.

9:40 a.m.  Refreshment Break – Visit Exhibits

10:00 a.m. Illustrative Cases of Multimodality Imaging
            – Active Audience Participation
            Drs. Alharthi, Chandrasekaran, Fatima, Hurst, Panse, and Sengupta
            Moderator: Dr. Chandrasekaran

12:15 p.m. Closing Remarks and Adjourn
Registration Form

Cardiology Update in Sedona
– A Weekend Review

July 24-26, 2009
The Enchantment Resort, Sedona, Arizona

Please direct questions to:
Mayo School of Continuous Professional Development
Plummer 2-60
200 First Street SW
Rochester, MN 55905
Telephone: 800-323-2688
507-284-2509
E-mail: cme@mayo.edu
Web site: www.mayo.edu/cme/cardiology.html

TO REGISTER:

Online at:
http://www.mayo.edu/cme/cardiology.html

Or by phone at:
800-323-2688
507-284-2509

Payment Received: Tuition received on Tuition received
Physicians Reduced Fee (check appropriate box below)*
or before July 8, 2009 after July 8, 2009
Physicians Reduced Fee (check appropriate box below)*

$300 $375
$200 $275

☐ Fellow in Training ☐ Nurse
☐ Physician Assistant ☐ Sonographer ☐ Emeritus Staff

* Registrants in the reduced fees category are required to submit with the registration form proof of licensure, a business card, or a letter written on official letterhead and signed by a department supervisor verifying status.

Optional Workshop – Main Ballroom (Must pre-register for this workshop.)
Saturday, July 25, 2009
12:55-2:00 p.m.
☐ No, I will not attend this workshop
☐ Yes, I will attend this workshop (lunch will be provided in the ballroom)

Total Payment Enclosed: $___________
Cardiology Update in Sedona
– A Weekend Review

July 24-26, 2009
Enchantment Resort
Sedona, Arizona