



41st Annual Cardiovascular Conference at Snowbird

February 12 - 15, 2016
Cliff Lodge, Snowbird Resort • Snowbird, Utah

Course Directors:

Douglas L. Packer, M.D.

Christopher M. O'Connor, M.D.



18

Cardiovascular
CME Credits

Division of
Cardiovascular Diseases

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Course Description

This program offers a comprehensive review on the new diagnostic and therapeutic applications in contemporary cardiology. The program format will provide timely data from the latest clinical trials and updates on state-of-the-art techniques through lectures, case presentations, and interactive discussions. Join your colleagues for the latest updates and practice guidelines in cardiology from coronary heart disease, cardiac rhythm disorders, heart failure, prevention, and hypertension.

Course Learning Objectives

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

- Interpret practice guidelines and identify practice reality needs before clinical practice can consistently reach the desired level of evidence-based practice;
- Describe the use of ACE-inhibitors and cardiac resynchronization therapy;
- Identify the current recommendations for optimal medical therapy of acute coronary syndromes, as well as understand the selection of the new antithrombin and antiplatelet therapies; and,
- Identify when to apply new medical and surgical therapies for heart failure.

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 clinical cardiologists, cardiac surgeons, general internists and allied health personnel with a cardiovascular interest; however pediatric cardiologists, radiologists and other medical specialists will find the presentations and panel discussions valuable.

Credit

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

Mayo Clinic College of Medicine designates this live activity for a maximum of 18 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Attendees should ensure in advance that their credentialing or licensing organization accepts CME credits from the sponsor of this activity.

Date and Location

Cardiovascular Conference at Snowbird will be held **February 12 – 15, 2016**, at the Cliff Lodge in Snowbird, Utah.

The Cliff Lodge offers a unique winter ski adventure with ski-out and ski-in accessibility to some of the best powder for skiing. The Cliff Lodge provides a relaxed atmosphere and opportunity to enjoy the surrounding majestic mountains with on-site restaurants, on-site ski school and daycare, and a spa to smooth out the muscles from a great day on the slopes. Guests of the Cliff Lodge have access to a convenient indoor locker for ski or snowboard storage that includes boot dryers and shelves. Snowbird and Alta have been named the No. 1 ski resort in the United States by SKIING Magazine.

Snowbird offers a wide variety of winter activities for the whole family. They have everything from snowshoe rentals and guided snowshoe tours, avalanche locator drills, backcountry skills clinics and tours, night skiing and snowboarding, to guided snowmobile tours in Mineral Basin and much more.

Lodging Accommodations

Guest rooms have been reserved for attendees and their guests with special course rates at the following Snowbird Resorts. In order to receive the special rate, **reservations must be made before the room block is filled or before the expiration date of January 3, 2016, whichever comes first.** Reservations will be taken following this date based on space and rate availability. Please identify yourself as a participant of the Mayo Clinic Cardiovascular Conference when making your reservation.

Snowbird Central Reservation Office

Phone: 800-453-3000

E-Mail: lodging@snowbird.com

Lodging Options

The Cliff Lodge (Meeting Location) \$324

The Lodge at Snowbird – Bedrooms \$324

The Inn at Snowbird – Bedrooms \$324

The current tax effective at the time of meeting will be applied. Snowbird requires a four (4) night minimum stay if a Friday or Saturday is included in the reservation effective during the months of January, February and March. Extended rate will be available on space available basis. A two-night deposit per room is required at the time the reservation is made. Full payment of room and tax is required 30 days prior to arrival. Please note the cancellation policy when making your reservation. Individual lodging deposit is fully refundable up to thirty days prior to the arrival dates. No-shows, delayed arrivals and early departures are considered cancellations.

The guest room rate includes high-speed wireless internet in guest rooms and public areas, USA Today, in-room coffee, valet and self parking at the Cliff Lodge, 800 number phone calls, incoming and outgoing faxes and 15 minutes of daily computer internet usage at the business center, beginner-hill night skiing on Wednesday, Friday and Saturday nights, overnight ski and snowboard storage, weekly ski and snowboard movies, UTA shuttle service between Snowbird and Alta Resorts.

Lodging arrangements are the sole responsibility of the individual registrant.

Travel

Snowbird is the most accessible world-renowned four season mountain resort in North America: only 29 miles from Salt Lake City International Airport.

AIRPORT TRANSPORTATION: Airport shuttles may be arranged through Snowbird Central Reservations (800-453-3000) up to 48 hours prior to arrival. Walk-ups are accepted on a space available basis at the Canyon Transportation desk located in the baggage claim area of the Salt Lake City International Airport. Cancellations received within 48 hours of arrival are non-refundable.

Travel arrangements are the sole responsibility of the individual registrant.

Recreation/Leisure Activities

Reduced Fees for Ski Passes – Rental – Cliff Spa

- Discounted ski passes are available at the ticket window. Show your hotel card to receive the discount.
- Course attendees receive a special 30% discount on rental equipment at the Cliff Rental Shop.
- Cliff Spa – Enjoy the Cliff Spa at a special group rate of \$10.00 per day and 20% off spa treatments.



Faculty

Course Directors

Douglas L. Packer, M.D.
Christopher M. O'Connor, M.D.

Mayo Clinic Faculty

Naser M. Ammash, M.D.
Bernard J. Gersh, M.B., Ch.B., D.Phil.
Raymond J. Gibbons, M.D.
Alejandro A. Rabinstein, M.D.
R. Scott Wright, M.D.

Guest Faculty

T. Jared Bunch, M.D.
Blase A. Carabello, M.D.
John D. Day, M.D.
Christopher B. Granger, M.D.
Laura Mauri, M.D., M.Sc.
Sabrina D. Phillips, M.D.
Vivek Y. Reddy, M.D.
Sidney C. Smith, Jr., M.D.

National Physician Payment Transparency Program

Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).

Faculty Disclosure

As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

Program Schedule

Thursday, February 11, 2016

4 – 6:00 p.m. Registration

Friday, February 12, 2016

6:45 a.m. Registration and Continental Breakfast

7:20 a.m. Welcome and Course Introduction
Douglas L. Packer, M.D.

Circulatory Failure

Moderator: *Christopher M. O'Connor, M.D.*

7:30 a.m. Current and Novel Approaches to Management of Acute Decompensated Heart Failure
Christopher M. O'Connor, M.D.

7:50 a.m. Right Heart Failure: Diagnosis and Treatment
Naser M. Ammash, M.D.

8:10 a.m. Dealing with the Comorbidities of Heart Failure
Christopher M. O'Connor, M.D.

8:30 a.m. State of the Art Advances in Management of HFpEF
Blasé A. Carabello, M.D.

8:50 a.m. Total Artificial Heart vs. LVAD in Intractable VT and CHF

9:10 a.m. Strategies for Anticoagulation Management in Severe Heart Failure: Is it Necessary?
Christopher B. Granger, M.D.

9:30 a.m. Questions and Answers
Drs. Ammash, Carabello, and Granger

9:45 a.m. Adjourn

3:45 p.m. Après-Ski Snacks

Program Schedule

Heart Failure and Structural Heart Disease

Moderator: *Christopher M. O'Connor, M.D.*

- 4:00 p.m. Strategies for the Prevention of Re-Hospitalization in Heart Failure
Christopher M. O'Connor, M.D.
- 4:20 p.m. Atrial Fibrillation in Heart Failure: Ablation or Biventricular Pacing?
Douglas L. Packer, M.D.
- 4:40 p.m. Restrictive vs. Constrictive Cardiomyopathy: Role of Echo and Cath In Its Diagnosis and Management
Naser M. Ammash, M.D.
- 5:00 p.m. Hypertrophic Cardiomyopathy Dx and Rx: Do the Guidelines Really Tell Us Anything?
Bernard J. Gersh, M.B., Ch.B, D.Phil.
- 5:20 p.m. Hemodynamic in 2015: What You Don't Know can Hurt You
Blasé A. Carabello, M.D.
- 5:40 p.m. Illustrative Heart Failure Case Discussion
Presenter:
Christopher M. O'Connor, M.D.
Panel Members:
Drs. Gersh, Granger, and Packer
- 6:30 p.m. Adjourn

Saturday, February 13, 2016

- 7:00 a.m. Continental Breakfast

Structural Heart Disease: Valvular Heart Disease

Moderator: *Bernard J. Gersh, M.B., Ch.B, D.Phil.*

- 7:30 a.m. Valvular Heart Disease Guidelines: What to Take to Heart?
Blasé A. Carabello, M.D.
- 7:50 a.m. Imaging in Valvular Stenosis
Naser M. Ammash, M.D.
- 8:10 a.m. Mitral and Aortic Regurgitation: How Long Do You Watch and Wait?
Blasé A. Carabello, M.D.
- 8:30 a.m. Functional Mitral Insufficiency - Management Issues
Bernard J. Gersh, M.B., Ch.B, D.Phil.

- 8:50 a.m. Marfan Syndrome and Other Connective Tissue Disorders Wanting to Happen
Sabrina D. Phillips, M.D.
- 9:10 a.m. Sudden Cardiac Death in Cardiomyopathy: Risk Factors and Prevention
Bernard J. Gersh, M.B., Ch.B, D.Phil.
- 9:30 a.m. Questions and Answer
Drs. Carabello, Ammash, and Phillips
- 9:45 a.m. Adjourn
- 3:45 p.m. Après-Ski Snacks

Rhythm Disorders and Their Management

Moderator: *Douglas L. Packer, M.D.*

- 4:00 p.m. Pre-participation Screening in High School Athletes: ECG's for Everyone or Not?
T. Jared Bunch, M.D.
- 4:20 p.m. Risk Stratification for Atrial Fibrillation: The Emerging Roles of Bio Markers
Bernard J. Gersh, M.B., Ch.B, D.Phil.
- 4:40 p.m. Anticoagulation for Atrial Fibrillation
Christopher B. Granger, M.D.
- 5:00 p.m. Prolonged Monitoring for Detection of Paroxysmal Atrial Fibrillation
Alejandro A. Rabinstein, M.D.
- 5:20 p.m. Atrial Fibrillation: Where Are We Now?
Douglas L. Packer, M.D.
- 5:40 p.m. Treatment of Common Ventricular Rhythms
T. Jared Bunch, M.D.
- 6:00 p.m. Mechanical LAA Closure for Stroke Prevention in Atrial Fibrillation: Current Data and Future Trials
Vivek Y. Reddy, M.D.
- 6:20 p.m. Atrial Fibrillation Case Discussion
Presenter: *T. Jared Bunch, M.D.*
Panel Members:
Drs. Gersh, Granger, Packer, Rabinstein, and Reddy
- 6:45 p.m. Adjourn

Program Schedule

Sunday, February 14, 2016

7:00 a.m. Continental Breakfast

Ischemic Heart Disease

Moderator: *Christopher B. Granger, M.D.*

7:30 a.m. Stress Imaging in Ischemic Heart Disease: Echo, Nuclear, MR, PET
Raymond J. Gibbons, M.D.

7:50 a.m. Chronic Coronary Artery Disease: New Trials, Therapies and Guidelines for Non-Stemi ACS
Bernard J. Gersh, M.B., Ch.B, D.Phil.

8:10 a.m. PCI and CABG For Multivessel Disease in Stable Angina: Do We Have the Evidence?
Laura Mauri, M.D., M.Sc.

8:30 a.m. Dual Antiplatelet Therapy After Drug Eluting Stents: How Long Is Long Enough?
Christopher B. Granger, M.D.

8:50 a.m. Novel Bioabsorbable Stent Technology
Laura Mauri, M.D., M.Sc.

9:10 a.m. Neurological Complications of Coronary Revascularization
Alejandro A. Rabinstein, M.D.

9:30 a.m. Questions and Answer
Drs. Gibbons, Gersh, Mauri, and Rabinstein

9:45 a.m. Adjourn

3:45 p.m. Après-Ski

Special Topics

Moderator: *Bernard J. Gersh, M.B., Ch.B, D.Phil.*

4:00 p.m. Catheter-Based Carotid Interventions
Laura Mauri, M.D., M.Sc.

4:20 p.m. Review of Recent Endovascular Stroke Trials
Alejandro A. Rabinstein, M.D.

4:40 p.m. The Rise and Fall and Possible Resurrection of Renal Denervation
Vivek Y. Reddy, M.D.

5:00 p.m. Anomalous Coronary Arteries: Evaluation and Treatment
Naser M. Ammash, M.D.

6:00 p.m. Adult Congenital Heart Disease: What Every Practitioner Should Know
Sabrina D. Phillips, M.D.

6:20 p.m. Questions and Answers
Drs. Mauri, Rabinstein, Reddy, and Ammash

6:30 p.m. Adjourn & Dinner
Participants, Faculty, and Guests are invited for a closing dinner. Registration requested at the time of registration.

Monday, February 15, 2016

7:00 a.m. Continental Breakfast

Risk Factors, Prevention and Healthy Lifestyle to Cardiac Health

Moderator: *Douglas L. Packer, M.D.*

7:00 a.m. How to live to Be 100 and Enjoy it!
John D. Day, M.D.

7:30 a.m. Cardiovascular Consequences of Sleep-Disordered Breathing: A Modifiable Risk Factor?
Bernard J. Gersh, M.B., Ch.B, D.Phil.

7:50 a.m. New Guidelines and Dual Antiplatelet Therapy Trials
Sidney C. Smith, Jr., M.D.

8:10 a.m. Assessment and Modification of Cardiovascular Risk in Clinical Practice
R. Scott Wright, M.D.

8:30 a.m. High Blood Pressure: Should the Target for Therapy be the Same?
Sidney C. Smith, Jr., M.D.

8:50 a.m. Go Red: What Have We Learned about Heart Attack and Stroke in Women
Bernard J. Gersh, M.B., Ch.B, D.Phil.

9:10 a.m. Controversies in Preventive Cardiology
R. Scott Wright, M.D.

9:30 a.m. Questions and Answers
Drs. Gersh, Smith, Wright, and Day

9:45 a.m. Illustrative Case Discussion
Drs. Wright and Smith

10:20 a.m. Adjourn and Concluding Comments

REGISTRATION

Cardiovascular Conference at Snowbird February 12-15, 2016



Register online at:
celinks.mayo.edu/snowbird2016

Registration Fee:

Full Registration Fee (MD, PhD, DO, PharmD) \$750

Reduced Registration Fee (Resident, NP, PA, RN, Emeritus) \$700

Mayo Clinic Division of Cardiology has implemented an online conference registration system. If this is your first time using the online system, you will need to create a profile and login account.

The system will step you through the profile and login process. An email address is required upon registration. **Please keep the login information for future use in completing the course evaluation and obtaining your CME record of attendance.**

The registration fee includes tuition, electronic syllabus, continental breakfasts and break refreshments. Although it is not Mayo School of Continuous Professional Development (CPD) 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 e-mailed upon receipt of payment. Please present the confirmation letter when checking in at the meeting registration desk.

For additional information, contact:

Mayo Cardiovascular CME Office
200 First Street SW – Gonda 6-472
Rochester, MN 55905

Website: ce.mayo.edu/cardiology

E-mail: cvcme@mayo.edu

Phone: 800-283-6296

Fax: 507-538-0146

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 Cardiovascular CME office by January 30, 2016. **No refunds will be made on or after January 30, 2016.** Canceled registrations are non-transferable.

Mayo Cardiovascular CME reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo Cardiovascular CME must cancel or postpone this course, Mayo Cardiovascular CME 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.

Mayo Clinic Division of
Cardiovascular Diseases
200 First Street SW / GO6-472
Rochester, MN 55905

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CLIFF LODGE, SNOWBIRD, UTAH

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REGISTER ONLINE

[celinks.mayo.edu/
snowbird2016](http://celinks.mayo.edu/snowbird2016)

NON-PROFIT ORG.
U.S. POSTAGE
PAID
MAYO CLINIC



Course Description

This program offers a comprehensive review on the new diagnostic and therapeutic applications in contemporary cardiology. The program format will provide timely data from the latest clinical trials and updates on state-of-the-art techniques through lectures, case presentations, and interactive discussions.

Highlights

Join your colleagues for the latest updates and practice guidelines in cardiology:

- Ischemic heart disease
- Cardiac rhythm disorders
- Heart failure
- Cardiovascular prevention
- Atrial fibrillation
- Valvular heart disease

Accommodations

The Cliff Lodge at Snowbird offers a unique winter ski adventure with ski-out and ski-in accessibility to some of the best powder for skiing. The Cliff Lodge provides a relaxed atmosphere and opportunity to enjoy the surrounding majestic mountains. Guest rooms have been reserved for attendees and their guests with special course rates.