



35th Annual
**Cardiovascular
Conference
at Snowbird**



February 3-6, 2010

**Cliff Lodge, Snowbird Resort
Snowbird, Utah**

Register Today!

***[http://www.mayo.edu/cm/cardiology.
html#2010R944](http://www.mayo.edu/cm/cardiology.html#2010R944)***

COURSE DESCRIPTION

It is estimated that approximate 80,000,000 people in the United States have one or more forms of cardiovascular disease (CVD). This cardiovascular continuing education programs goal is to improve the care for patients with cardiovascular disease by providing a dynamic, interactive, educational experience for clinical practitioners. The program will provide timely data from the latest clinical trials and updates on state-of-the-art techniques through lectures, case presentations, and interactive discussions utilizing an audience response system. Join your colleagues for the latest updates and practice guidelines in cardiology from coronary heart disease, cardiac rhythm disorders, heart failure, prevention, hypertension, and adult congenital heart disease.

COURSE LEARNING OBJECTIVES

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

- Identify current recommendations for primary and secondary prevention with lipid-lowering therapies;
- Indicate how and when to apply traditional and novel risk factor assessment;
- Identify other emerging indications for statin therapy;
- Interpret the evidence for use of drug eluting stents for multivessel disease;
- Evaluate potential long-term complications with coated stents;
- Comprehend the newest techniques for opening chronic total occlusions;
- 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;
- Assess the role for MR/CT and PET imaging in the cardiology practice;
- Compare the difference in pathophysiology of heart failure due to ischemic and non-ischemic disease;
- Identify when to apply new medical and surgical therapies including biventricular pacing for heart failure;
- Evaluate when biventricular pacing vs. biventricular defibrillator (ICDs) should be used;
- Identify the differences in and management skills for complete cardiac arrhythmias, including atrial fibrillation and hereditary syndromes, including the role of nonpharmacologic therapy for each;
- Recognize the role for early intervention in a “valve repair” world;
- Describe the early clinical trial data for emerging catheter-based valve repair and replacement;
- Formulate a better approach to evaluate valve patients and planning surgical vs. medical treatment;
- Clarify the role of percutaneous interventions in peripheral and carotid vascular disease;
- Identify the role of cell therapies for heart failure; and
- Improve the clinical approach to geriatric patients with heart failure and acute coronary syndromes.

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 intend 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

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 17 *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.

DATE AND LOCATION

Cardiovascular Conference at Snowbird will be held **February 3 – 6, 2010** at the Cliff Lodge in Snowbird, Utah.

The Cliff Lodge and Spa 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 for five years in a row.

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, guided snowmobile tours in Mineral Basin, and much more! Enjoy world-renowned spa services at Snowbird's Cliff Spa including massages, wraps, yoga and movement classes, weight room, full service salon, and exclusive rooftop pool and hot tub.

REGISTRATION

To register online, visit <http://www.mayo.edu/cme/cardiology.html#2010R944>, or complete the attached registration form and return by mail or fax. The registration fee includes tuition, electronic syllabus, continental breakfasts, break refreshments, and dinner. 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 sent upon receipt of payment and completed registration form. Please present the confirmation letter when checking in at the meeting registration desk.

For additional information, contact:

Mayo School of CPD
Plummer 2-60
200 First Street SW
Rochester, MN 55905

Website: www.mayo.edu/cme
E-mail: cme@mayo.edu
Phone: 800-323-2688 or 507-284-2509
Fax: 507-284-0532

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 (CPD) by **January 18, 2010** (fax#: 507-284-0532). No refunds will be made on or after January 18, 2010. Canceled registrations are non-transferable.

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

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.

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 **December 30, 2009**, 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) \$319

The Lodge at Snowbird Inn - Bedrooms \$299

The Lodge at Snowbird Inn - Studios \$299

The state sales and lodging tax is currently 11.6%. 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.

The resort fee has been added to the guestroom rate. The fee 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.

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 15% discount on rental equipment at the Cliff Rental Shop.
- Cliff Spa – Enjoy the Cliff Spa at a special group rate of \$10 per day and 10% off spa treatments.

FACULTY

Course Directors

Douglas L. Packer, M.D., Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Jeffrey L. Anderson, M.D., Professor of Internal Medicine, University of Utah; Associate Chief of Cardiology, Intermountain Medical Center – Intermountain Healthcare, Salt Lake City, UT

George J. Klein, M.D., Professor of Medicine, University of Western Ontario, London, Ontario, Canada

Course Faculty

Michael J. Ackerman, M.D., Ph.D., Professor of Medicine, Pediatrics, and Pharmacology, College of Medicine, Mayo Clinic, Rochester, MN

J. Michael Bacharach, M.D., M.P.H., F.A.C.C., Section Head, Vascular Medicine and Peripheral Vascular Intervention, North Central Heart Institute, Sioux Falls, SD

Eliot A. Brinton, M.D., Director, Metabolism Section, Cardiovascular Genetics, Associate Professor, University of Utah School of Medicine, Salt Lake City, UT

John D. Day, M.D., Director, Heart Rhythm Services, Intermountain Medical Center, Murray, UT

John R. Doty, M.D., Intermountain Medical Center – Intermountain Healthcare, Salt Lake City, UT

Brooks S. Edwards, M.D., Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Bernard J. Gersh, M.B., Ch.B., D.Phil., Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Raymond J. Gibbons, M.D., Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Christopher B. Granger, M.D., Professor of Medicine, Director, Cardiac Care Unit, Duke University Medical Center, Durham, NC

Rishi Gupta, M.D., Staff, Cerebrovascular Center; Director, Vascular Neurology Fellowship Program, Cleveland Clinic, Cleveland, OH

David R. Holmes, Jr., M.D., Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Donald L. Lappe, M.D., Chief of Cardiology, Chairman, Cardiovascular Department, Intermountain Medical Center, Salt Lake City, UT

Joao A.C. Lima, M.D., Professor of Medicine and Radiology, Director of Cardiovascular Imaging, Johns Hopkins, Baltimore, MD

Rick A. Nishimura, M.D., Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Christopher M. O'Connor, M.D., Professor of Medicine, Director, Duke Heart Center, Duke University Medical Center, Durham, NC

Sabrina D. Phillips, M.D., Assistant Professor of Medicine, College of Medicine, Mayo Clinic, Rochester, MN

Program Schedule

Tuesday, February 2, 2010

4:50:00 p.m. Registration

Wednesday, February 3, 2010

6:45 a.m. Registration and Continental Breakfast

7:25 a.m. Welcome and Course Introduction
Drs. Packer, Anderson, and Klein

Core Curriculum: Heart Failure Didactic

7:30 a.m. Mechanism of Acute and Chronic Heart Failure: Why Knowing Matters
Brooks S. Edwards, M.D.

7:50 a.m. Cardiac Cell Therapy: A Clinical Perspective
Bernard J. Gersh, M.B., Ch.B., D.Phil.

8:10 a.m. New Tricks in the Acute Treatment of Decompensated Heart Failure - Systolic and Diastolic
Christopher M. O'Connor, M.D.

8:30 a.m. Optimal Medical Therapy for Heart Failure: What's New in The Treatment of Stage C-D?
Brooks S. Edwards, M.D.

8:50 a.m. An Update on Non-Pharmacologic Therapy for Heart Failure: LVAD and Transplant Destination Therapy
Christopher M. O'Connor, M.D.

9:10 a.m. Asymptomatic Valvular Heart Disease: When to Get Serious
Rick A. Nishimura, M.D.

9:30 a.m. Adjourn

4:00 p.m. Après-Ski Snacks

Case Based Approach To Patient Management

4:30 p.m. The Backlash in Resynchronization Therapy for Heart Failure: Who Should and Shouldn't Get It in 2010?
Douglas L. Packer, M.D.

4:50 p.m. Implantable Net Based Monitoring: Extra Value or Just Extra?
George Klein, M.D.

5:10 p.m. Diastolic Dysfunction: When Is It Present, When Does It Matter?
Rick A. Nishimura, M.D.

5:30 p.m. Dilated and Hypertrophic Cardiomyopathies: Can Genes Guide Phenotypical Therapy
Michael J. Ackerman, M.D., Ph.D.

5:50 p.m. Pharmacotherapy for Diastolic Dysfunction
Rick A. Nishimura, M.D.

6:10 p.m. **PANEL DISCUSSION:** The Latest in Heart Failure Evaluation and Treatment: How the Experts

Approach Specific Patient Care Issues
Moderator: *Brooks S. Edwards, M.D.*
Panel Members: *Drs. Granger, Gersh, and O'Connor*

7:00 p.m. Adjourn

Thursday, February 4, 2010

7:00 a.m. Continental Breakfast

Core Curriculum: Structural and Arrhythmic Heart Disease

7:30 a.m. Heart Failure Performance, Core and Quality Measures: What Matters and Why
Christopher B. Granger, M.D.

7:50 a.m. Clinical Management of Valvular Heart Disease in an Interventional Cath Lab Era: Who Goes to Surgery, Who Stays in the Cath Lab; When Should It Happen?
David R. Holmes, Jr., M.D.

8:10 a.m. How to Follow Adult Congenital Heart Disease: Does Everyone Need a Specialized Clinic?
Sabrina D. Phillips, M.D.

8:30 a.m. Non-coronary Interventional Cardiology: More Options, Increasing Impact (PFO Closure Devices, Atrial Appendage Occluders)
David R. Holmes, Jr., M.D.

8:50 a.m. Can Sudden Unexpected Death in School Athletes Be Prevented
Michael J. Ackerman, M.D., Ph.D.

9:00 a.m. Update for MRI in Risk Stratification
Joao A.C. Lima, M.D.

9:30 a.m. Adjourn

4:00 p.m. Après-Ski Snacks

Case Based Approach To Patient Management

4:30 p.m. Wide QRS Tachycardia for Dummies
George J. Klein, M.D.

4:50 p.m. Snapshot of Management of AF: The Basics, New Drugs, Anticoagulation
Douglas L. Packer, M.D.

5:10 p.m. The Natural History of the QT and other Genetic Syndromes: Is Meaningful Risk Stratification Possible?
Michael J. Ackerman, M.D., Ph.D.

5:30 p.m. Evolving Indications for Ablation in Atrial Fibrillation
Douglas L. Packer, M.D.

5:50 p.m. How I Use Amiodarone and Dronedrone
George J. Klein, M.D.

Program Schedule

6:10 p.m. Illustrative Cases:
Hemodynamic Dilemmas: Case-
Based Update in Management
Sabrina D. Phillips, M.D.

7:00 p.m. Adjourn

Friday, February 5, 2010

7:00 a.m. Continental Breakfast

Core Curriculum:

Coronary Artery Syndromes

7:30 a.m. New Concepts in
Pathophysiology and
Pathobiology of CAD and ACS:
The Vulnerable Plaque and the
Vulnerable Patient
Bernard J. Gersh, M.B., Ch.B., D.Phil.

7:50 a.m. Basic and Advanced CT Coronary
Angiography: Where Are We,
Where Are We Headed?
Joao A.C. Lima, M.D.

8:10 a.m. The Low /Intermediate Risk Chest
Pain Patient: Which Therapies?
Which Test to Risk Stratify?
Jeffrey L. Anderson, M.D.

8:30 a.m. Improving NSTEMI-ACS
Management: Recent Trials, New
Guidelines
Bernard J. Gersh, M.B., Ch.B., D.Phil.

8:50 a.m. Improving PCI Outcomes: Recent
Trials, New Devices, New
Guidelines
David R. Holmes, Jr., M.D.

9:10 a.m. Improving STEMI Management:
Recent Trials, New Guidelines
Jeffrey L. Anderson, M.D.

9:30 a.m. Adjourn

4:00 p.m. Après-Ski Snacks
(Families Invited)

Case Based Approach to Patient Management

4:30 p.m. Chronic Coronary Syndromes:
Back to the Basics – When PCI
Isn't the Answer
Bernard J. Gersh, M.B., Ch.B., D.Phil.

4:50 a.m. Robotic and Hybrid Bypass
Surgery: Where Are We, What's
Ahead
John R. Doty, M.D.

5:10 p.m. Brain Attack: Recent
Developments and Current
Recommendations for Acute
Stroke
Rishi Gupta, M.D.

5:30 p.m. Percutaneous versus Surgical
Management of Peripheral and
Carotid Artery Disease: State-of-
the-Art
J. Michael Bacharach, M.D.

5:50 p.m. Controversies in Managing
Coronary Syndromes
Moderator: *Dr. Anderson*
Panel Members: *Drs. Gersh,
Bacharach, and Doty*

7:00 p.m. Adjourn – Dinner for Participants,
Faculty and Guests

Saturday, February 6, 2010

6:45 a.m. Continental Breakfast

7:00 a.m. Gloom, Doom and the Baby
Boom—Health Care Reform and
Cardiac Imaging
Raymond J. Gibbons, M.D.

Core Curriculum: Coronary, Carotid, and Peripheral Arterial Disease

7:30 a.m. The Epidemic of CAD in the
Developing World: Global
Implications
Bernard J. Gersh, M.B., Ch.B., D.Phil.

7:50 a.m. Update on Cardiovascular
Prevention: Guidelines and
Applications
Eliot A. Brinton, M.D.

8:10 a.m. Update on New Initiatives for
Incorporating Non-Traditional
Factors into Risk Assessment
Jeffrey L. Anderson, M.D.

8:30 a.m. Diabetes and Cardiovascular
Disease: How to Improve
Outcomes if a Difficult Disease
Bernard J. Gersh, M.B., Ch.B., D.Phil.

8:50 a.m. Closing the Gender Gap:
Primary Prevention and
Secondary Disease Care
Eliot A. Brinton, M.D.

9:10 a.m. Aortic Dissection in 2010: Are We
Improving Outcomes?
Sabrina D. Phillips, M.D.

Case Based Approach to Patient Management

9:30 p.m. Health Care Reform: What is
Going to Happen During the
Second Obama Year?
Raymond J. Gibbons, M.D.

9:50 p.m. Is the Canadian Approach To
Health Care Viable in the USA?
George Klein, M.D.

10:10 p.m. Rationing of Health Care: How it
Happens Already
Donald L. Lappe, M.D.

10:30 p.m. Top 10 Tips to Increase Efficacy of
Your Practice: From Coding to
Insurance Management
John D. Day, M.D.

11:00 a.m. Adjourn and Concluding
Comments
Drs. Anderson, Klein, and Packer

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Cliff Lodge • Snowbird, UT

Mail form and payment to:
 Mayo School of Continuous Professional Development
 Plummer 2-60
 200 First Street SW
 Rochester, MN 55905

Phone: 800-323-2688
 507-284-2509
 Fax: 507-284-0532
 Website: www.mayo.edu/cme
 E-mail: cvcme@mayo.edu

On-line registration available at: <http://www.mayo.edu/cmelcardiology.html#2010R944>

(Please print or type all information. You may duplicate this form for multiple registrations.)

Name _____

First Name

Middle Name or Initial

Last Name

Degree MD PhD DO PA/NP RN Other _____

Institution _____

E-mail Address _____

Address _____

Home City _____ State _____ ZIP _____

Business

Home Telephone (_____) _____ Business Telephone (_____) _____

Int'l Telephone (Country code) _____ (City code) _____ (Phone) _____

FAX _____

 Please check if you have any special assistance needs or dietary restrictions.

Please indicate your needs here: _____

Snow Dinner – Friday, February 5, 2010

Participant and their guests are invited to attend.

Yes, I will attend

_____ Number of guests

No, I cannot attend

REGISTRATION FEE:

Before 1/12/10

After 1/12/10

Physicians/Scientists: \$ 700 \$ 775 \$ _____

Residents, Physician Assistants
 and Nurse Practitioners: \$ 600 \$ 675 \$ _____

Total Payment Enclosed: \$ _____

Check *(Make checks payable to Mayo Clinic. US funds only * Wire transfers will be assessed a \$25 USD fee.)*

Credit Card: Visa MasterCard Discover *(Note: American Express is NOT accepted)*

Card Number _____ Expiration Date _____

Signature _____ Date _____



MAYO CLINIC

200 First Street SW
Rochester, Minnesota 55905

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*If you already received a copy of this brochure, please give this
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Register Today!

<http://www.mayo.edu/cm/cardiology.html#2010R944>

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