CONTROVERSIES IN CARDIOVASCULAR DISEASE
Practical Approaches to Complex Problems: Medical and Surgical

May 19-20, 2012
Graves 601 Hotel • Minneapolis, MN

Course Directors:
Kevin L. Greason, M.D., F.A.C.C.
Sunil V. Mankad, M.D., F.A.C.C.
Uma S. Valeti, M.D., F.A.C.C.

Call for Abstracts
Abstracts are now being accepted from all Fellows-In-Training at Mayo Clinic, the University of Minnesota, and the University of Iowa for a poster session at Controversies in Cardiovascular Disease.

Submission Deadline: April 1, 2012.
Abstracts may be submitted online by following the link http://z.umn.edu/acc2012. When prompted, login in with the Internet ID: accguest and the password: acc_2012.
More details can be found on the course web site: http://www.mayo.edu/cme/controversies2012

Online registration and detailed course information available at:
www.mayo.edu/cme/controversies2012
www.accmn.org
www.cardiologycontroversies.umn.edu

In collaboration with:

This program is supported, in part, by an educational grant from the Iowa Chapter of the American College of Cardiology.
General Information

COURSE DESCRIPTION
Mark your calendar and plan to join us May 19-20, 2012 in Minneapolis for a multidisciplinary perspective and discussion on the management of complex clinical challenges in cardiovascular medicine and surgery. Topics that will be covered include heart rhythm, hypertrophic cardiomyopathy, congenital, valvular heart disease, and new technology.

Faculty will include leading clinicians in surgery and medicine from Mayo Clinic, the University of Minnesota, the Minnesota Chapter of the American College of Cardiology (ACC-MN), and the Iowa Chapter of the American College of Cardiology (ACC-IA).

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

• Determine the benefits that transcatheter aortic valve implantation offers to patients at high-risk for aortic valve replacement.
• Identify the key anatomical requirements necessary for successful transcatheter aortic valve implantation.
• Determine which patient characteristics contribute to success with catheter ablation or surgical ablation of atrial arrhythmias.

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

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 live activity for a maximum of 11.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Health Care Professionals
A record 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.

REGISTRATION
To register online, visit www.mayo.edu/cme/controversies2012 or complete the attached registration form and return by mail or fax. The registration fee includes tuition, electronic course syllabus, continental breakfast, lunch and reception on Saturday, May 19, continental breakfast on Sunday, May 20, and refreshment breaks on both days. Although it is not Mayo School of 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.

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 the Mayo School of CPD before May 4, 2012 (Email: cme@mayo.edu or FAX#: 507-284-0532). No refunds will be made after May 4, 2012.

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.
LOCATION AND LODGING
ACCOMMODATIONS
Controversies in Cardiovascular Disease will be held May 19-20, 2012. Course headquarters will be located at the Graves 601 Hotel, 601 First Avenue North, Minneapolis, MN 55403.

A special rate of $129/night for deluxe accommodations (single or double occupancy) is available to course participants for reservations made by April 27, 2012 or before the room block is filled - whichever comes first. Reservations can be made by calling the hotel directly at 866-523-1100 and asking for the Mayo Clinic Controversies in Cardiovascular Disease room rate or reservation ID code 05186765MAYO.

More information on the Graves 601 Hotel can be found at: www.graves601hotel.com

Lodging and travel arrangements are the sole responsibility of the individual registrant.

FACULTY
Course Directors
Kevin L. Greason, M.D., F.A.C.C.
Division of Cardiovascular Surgery
Mayo Clinic

Sunil V. Mankad, M.D., F.A.C.C.
Division of Cardiovascular Diseases
Mayo Clinic

Uma S. Valeti, M.D., F.A.C.C.
University of Minnesota

Mayo Clinic Faculty
Michael J. Ackerman, M.D., Ph.D., F.A.C.C.
Harold M. Burkhart, M.D.
Joseph A. Dearani, M.D., F.A.C.C.
Hector I. Michalena, M.D., F.A.C.C.
Vuyisile T. Nkomo, M.D., F.A.C.C.
Sabrina D. Phillips, M.D., F.A.C.C.
Hartzell V. Schaff, M.D., F.A.C.C.
Paul Sorajja, M.D., F.A.C.C.
Rakesh M. Suri, M.D., D.Phil.
Roger D. White, M.D., F.A.C.C.

Guest Faculty
Genesis Heart Institute
Blair Foreman, M.D., F.A.C.C.
Nidal Harb, M.D., F.A.C.C.
Nicolas W. Shamas, M.D., M.S., F.A.C.C.

HealthEast Heart Care, St. Joseph’s Hospital
Robert W. Emery, M.D., F.A.C.C.

HealthPartners
Timothy J. Kroshus, M.D., Ph.D.
James Newton, P.A.
Dennis W. Zhu, M.D., F.A.C.C.

Hennepin County Medical Center
Richard W. Asinger, M.D., F.A.C.C.

Iowa Health Cardiology
Craig B. Clark, D.O., F.A.C.C.

Minneapolis Heart Institute
William T. Katsiyannnis, M.D., F.A.C.C.

University of Minnesota
David Benditt, M.D., F.A.C.C.
Monica Colvin-Adams, M.D.
Peter Eckman, M.D.
Daniel Garry, M.D., Ph.D.
Renuka Jain, M.D., F.A.C.C.
Ranjit John, M.D., F.A.C.C.
Kenneth K. Liao, M.D., Ph.D.
Cindy M. Martin, M.D.
James H. Moller, M.D., F.A.C.C.
Demetris Yannopoulos, M.D.

FACULTY DISCLOSURE
As a provider accredited by ACCME, College of Medicine, Mayo Clinic (Mayo School of CPD), 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.
SATURDAY, MAY 19, 2012

6:30 a.m.  Registration and Continental Breakfast

Session 1 – Heart Rhythm
Moderator: David Benditt, M.D., F.A.C.C.
8:00 a.m.  Welcome and Course Overview
8:15 a.m.  Ventricular Arrhythmias: The Inside and Out of Ablation
           William T. Katsiyiannis, M.D., F.A.C.C.
8:35 a.m.  Arrhythmias and Anticoagulation
           Richard W. Asinger, M.D., F.A.C.C.
8:55 a.m.  Atrial Arrhythmias: Treatment Options - Cutting Edge vs.
           Established Therapies
           Dennis W. Zhu, M.D., F.A.C.C. and James Newton, P.A.
9:15 a.m.  Surgical Treatment of Arrhythmias
           Hartzell V. Schaff, M.D., F.A.C.C.
9:35 a.m.  Panel Discussion
           Richard W. Asinger, M.D., F.A.C.C., Blair Foreman, M.D., F.A.C.C.,
           William T. Katsiyiannis, M.D., F.A.C.C., James Newton, P.A.,
10:00 a.m. Break

Session 2 – Bringing Back from the Dead
Moderator: Daniel Garry, M.D., Ph.D.
10:15 a.m.  New Techniques in Cardiopulmonary Resuscitation
           Demetris Yannopoulos, M.D.
10:45 a.m.  Medical Management of a Failing Heart: How Far Can You Go?
           Peter Eckman, M.D.
11:15 a.m.  When All Else Fails: Mechanical Support in 2012
           Ranjit John, M.D., F.A.C.C.
11:45 a.m.  Panel Discussion
           Monica Colvin-Adams, M.D., Peter Eckman, M.D., Ranjit John, M.D.,
           F.A.C.C., Nicolas W. Shammas, M.D., M.S., F.A.C.C., Roger D. White, M.D.,
           F.A.C.C., & Demetris Yannopoulos, M.D.
12:15 p.m. Lunch

Session 3 – Hypertrophic Cardiomyopathy
Moderator: Paul Sorajja, M.D., F.A.C.C.
1:15 p.m.  Genetic Testing in Hypertrophic Cardiomyopathy
          Michael J. Ackerman, M.D., Ph.D., F.A.C.C.
1:40 p.m.  Imaging in Hypertrophic Cardiomyopathy
          Renuka Jain, M.D., F.A.C.C.
2:05 p.m.  ETOH Ablation in Hypertrophic Cardiomyopathy
          Paul Sorajja, M.D., F.A.C.C.
2:30 p.m.  Surgical Treatment for Hypertrophic Cardiomyopathy
          Joseph A. Dearani, M.D., F.A.C.C.

2:55 p.m.  Panel Discussion
          Michael J. Ackerman, M.D., Ph.D., F.A.C.C., Joseph A. Dearani, M.D.,
          F.A.C.C., Renuka Jain, M.D., F.A.C.C. & Paul Sorajja, M.D., F.A.C.C.
3:15 p.m.  Break

Session 4 – Technology
Moderator: Timothy J. Krosthus, M.D., Ph.D.
3:45 p.m.  Update on Robotic Surgery
          Rakesh M. Suri, M.D., D.Phil.
4:15 p.m.  TAVI
          Kevin L. Greason, M.D., F.A.C.C.
4:45 p.m.  Coronary Artery Revascularization, Hybrid Procedures
          Kenneth K. Liao, M.D., Ph.D.
5:15 p.m.  Panel Discussion
          Kevin L. Greason, M.D., F.A.C.C., Kenneth K. Liao, M.D., Ph.D., &
          Rakesh M. Suri, M.D., D.Phil.
5:45 p.m.  Poster Session/Reception
7:00 p.m.  Adjourn

SUNDAY, MAY 20, 2012

7:00 a.m.  Continental Breakfast

Session 5 – Congenital
Moderator: Sabrina D. Phillips, M.D., F.A.C.C.
8:00 a.m.  Update on Adult Congenital Heart Disease
          Sabrina D. Phillips, M.D., F.A.C.C.
8:30 a.m.  Inherited Cardiomyopathies
          Cindy M. Martin, M.D.
9:00 a.m.  Coronary Artery Anomalies
          Harold M. Burkart, M.D.
9:30 a.m.  Panel Discussion
          Harold M. Burkart, M.D., Cindy M. Martin, M.D., James H. Moller,
          M.D., F.A.C.C., & Sabrina D. Phillips, M.D., F.A.C.C.
10:00 a.m. Break

Session 6 – Valvular Heart Disease
Moderator: Robert W. Emery, M.D., F.A.C.C.
10:30 a.m.  Controversies in the Management of Aortic Stenosis
          Sunil V. Mankad, M.D., F.A.C.C.
11:00 a.m.  Timing of Operation in Mitral Regurgitation
          Hector I. Michelena, M.D., F.A.C.C.
11:30 a.m.  Timing of Operation in Tricuspid Valve Regurgitation
          Vuyisile T. Nkomo, M.D., F.A.C.C.
12:00 p.m.  Panel Discussion
          Craig B. Clark, D.O., F.A.C.C., Nidal Harb, M.D., F.A.C.C.,
          Sunil V. Mankad, M.D., F.A.C.C., Hector I. Michelena, M.D., F.A.C.C.,
          & Vuyisile T. Nkomo, M.D., F.A.C.C.
12:30 p.m. Adjourn

**Posters will be available for viewing throughout Saturday and Sunday**
## REGISTRATION FORM

**CONTROVERSIES IN CARDIOVASCULAR DISEASE**  
May 19-20, 2012 • The Graves 601 Hotel • Minneapolis, MN

**Register online at www.mayo.edu/cme/controversies2012**

**ATTN: ACC members – Please register through the MN Chapter web site: www.accmn.org**

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### Mail form and payment to:

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

Phone 800-323-2688 or 507-284-2509  
FAX 507-284-0532  
E-mail cme@mayo.edu  
Web site www.mayo.edu/cme

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### Contact Information

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### Special Needs

If you have special assistance needs or dietary restrictions, describe here:

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### Registration

**ATTN: ACC members – Please register through the MN Chapter web site: www.accmn.org**

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<th>Residents, Fellows, Physician Assistants and Nurse Practitioners – $400</th>
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Reception (complimentary for course attendees)  
I plan to attend ___Yes ___No

Total Payment Enclosed $ _______

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### Payment Information

- Check is enclosed in the amount shown at right – make checks payable to Mayo Clinic

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Signature of Cardholder – required  

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Faculty will include leading clinicians in surgery and medicine from Mayo Clinic, the University of Minnesota, the Minnesota Chapter of the American College of Cardiology (ACC-MN), and the Iowa Chapter of the American College of Cardiology (ACC-IA).

For more information about this CME course, please contact:
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E-mail: cme@mayo.edu
Website: www.mayo.edu/cme