



## Board Review Course on DEMAND 2016

### CME Information

#### **2016 HFSA Board Review Course: Advanced Heart Failure and Transplant Cardiology**

HFSA Board Review Course Content is based on the ABIM content blueprint for the certification examination in Advanced Heart Failure and Transplant Cardiology. The following areas are addressed:

- Epidemiology and Causes of Heart Failure
- Pathophysiology of Heart Failure
- Evaluation of Heart Failure
- Management of Hospitalized Patients
- Management of Heart Failure
- Comorbidities or Coexisting Conditions
- Cardiac Surgery in Heart Failure
- Heart Transplant
- Mechanical Circulatory Support
- Pulmonary Arterial Hypertension
- Contemporary HF Management Topics

Concise presentations by national experts will be augmented by board-review-type questions using an audience-response system.

**Date of Release:** November 1, 2016

**Program End Date:** October 31, 2018

#### **Target Audience:**

Cardiologists, internists, nurses, clinical pharmacists, and other health professionals with a special interest in heart failure.

#### **Program Objectives:**

Upon completing this educational activity, participants will be able to:

1. Describe the epidemiology of heart failure, including environmental factors, and implement strategies for the prevention of heart failure.
2. Describe the pathophysiology of heart failure, including normal physiology and compensatory and maladaptive mechanisms at the structural, neurohormonal, and cellular levels.
3. Assess and follow the patient with advanced heart failure, using non-invasive and invasive tests and biomarkers.

4. Implement guideline-based therapy for patients with advanced heart failure, including pharmacologic agents; non-pharmacologic options, such as diet and exercise; and devices.
5. Manage comorbidities in patients with advanced heart failure, including hypertension, diabetes, and cognitive issues.
6. Implement strategies for effective disease management of the patient with advanced heart failure, including end-of-life issues.
7. Provide peri-operative management of heart failure patients undergoing non-cardiac surgery, cardiac transplantation, or implantation of a mechanical circulatory device.

#### **Accreditation Statements:**

The Heart Failure Society of America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

#### **Designation Statement:**

The Heart Failure Society of America designates this enduring material for a maximum of 19.5 *AMA PRA Category 1 Credits™*.

Physicians should claim credit commensurate with the extent of their participation in the activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 19.5 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity.

It is the CME activity provider's responsibility to submit participant completion information to ACCME for granting ABIM MOC credit.



#### **Pre- Test:**

You are required to take the pre-test prior to viewing each of the sessions. You can only take the pre-test once. Your score will not impact your ability to claim CME credit. After viewing the session, click on the CE Information tab within the session to take the Post-test.

#### **Course Content and Faculty Listing:**

<b>DAY 1</b>	
Live ABIM Style Question Session	James C. Fang & Sean P. Pinney
Heart Failure Epidemiology and Risk Factors	Barry H Greenberg
Pathophysiology I: Cellular and Energetic Considerations	Daniel Burkhoff
Pathophysiology II: Hemodynamic, Structural, and Neurohormonal Considerations	Daniel Burkhoff
Clinical Assessment I: Diagnosis, Comorbidities	Barry H Greenberg
Contemporary Topics - ARNIs and Ivabradine	Clyde W. Yancy
Clinical Assessment II: Functional Capacity, Prognosis	Barry H Greenberg
Hemodynamics in Heart Failure I	James C. Fang

Hemodynamics in Heart Failure II	James C. Fang
Cardiomyopathies I: Ischemic and Valvular	Joseph G. Rogers
Cardiomyopathies III: HCM and Inherited	Akshay Desai
Cardiomyopathies IV: ARVD and Sarcoid	Anju Nohria
Q &A	Faculty
<b>DAY 2</b>	
Live ABIM Style Question Session	James C. Fang & Sean P. Pinney
Cardio-Oncology	Anju Nohria
Heart Transplantation: Overview and Patient Selection	James C. Fang
Immunology: The Basics, PRA, Sensitization, Crossmatch	Sean P. Pinney
Rejection: Cellular and Antibody Mediated	Sean P. Pinney
Managing Immunosuppression and Drugs	James C. Fang
Post-Transplant Management Issues	James C. Fang
MCS I: Cardiogenic Shock and Temporary Support Devices	Joseph G. Rogers
Working Lunch: Contemporary Topics - Ambulatory Hemodynamic Monitoring	Akshay Desai
MCS II: Durable MCS Selection and Outcomes	Joseph G. Rogers
MCS III: Adverse Events and Patient Management	Joseph G. Rogers
Pulmonary Hypertension	Johnathan D. Rich
Pericarditis and Myocarditis	Barry A. Borlaug
HFpEF and Infiltrative Cardiomyopathies	Barry A. Borlaug
Disease Management and Palliative Care	Barry A. Borlaug
Biomarkers in Heart Failure	Kirkwood Adams
Landmark Heart Failure Trials	Allen Anderson
<b>DAY 3</b>	
Q & A	James C. Fang & Sean P. Pinney
Acute Decompensated Heart Failure I	Kirkwood Adams
Acute Decompensated Heart Failure II	Kirkwood Adams
Drug Therapy for Chronic Heart Failure I	Mark Drazner
Drug Therapy for Chronic Heart Failure II	Mark Drazner
Management of Arrhythmias in Heart Failure	Joshua M. Cooper
Device Therapy in Heart Failure	Joshua M. Cooper

**Disclaimer:**

The educational activity presented above may involve simulated case-based scenarios. The patients depicted in these scenarios are fictitious and no association with any actual patient is intended or should be inferred. The content, views and opinions presented in this educational activity are those of the authors and do not necessarily reflect those of HFSA.

**Faculty:**

**James C. Fang, MD, FACC, FAHA**

(Chair)

Professor of Medicine

Chief, Division of Cardiovascular Medicine

Executive Director, Cardiovascular Service Line

University of Utah

Salt Lake City, UT

**Sean P. Pinney, MD**

(Chair)

Director, Heart Failure and Transplantation,

The Mount Sinai Health System

Director, Advanced HF and Transplantation Program

The Mount Sinai Hospital

New York, NY

**Kirkwood Adams, MD**

Associate Professor,

Department of Medicine – Cardiology

Department of Radiology

University of North Carolina

University of North Carolina at Chapel Hill

Chapel Hill, NC

**Allen S. Anderson, MD, FACC, FAHA**

Professor of Medicine

Medical Director, Center for Heart Failure

Bluhm Cardiovascular Institute

Northwestern Medicine

Chicago, IL

**Barry A. Borlaug, MD**

Associate Professor of Medicine, Cardiovascular Diseases

Director, Circulator Failure Research

Mayo Clinic

Rochester, MN

**Daniel Burkhoff, MD, PhD**

Adjunct Associate Professor of Medicine, Columbia University

New York, NY

Adjunct Clinical Professor of Internal Medicine, The Ohio State University Medical Center

Columbus, OH

**Joshua M. Cooper, MD**

Director, Cardiac Electrophysiology  
Professor, Medicine  
Temple University  
Philadelphia, PA

**Akshay Desai, MD**

Associate Director, Brigham Cardiovascular Consultants  
Associate Professor, Medicine  
Harvard Medical School  
Boston, MA

**Mark Drazner, MD, FHSA**

Medical Director of the Heart Failure, LVAD, and Cardiac Transplantation Program  
James M. Wooten Chair in Cardiology  
Professor, Internal Medicine  
University of Texas Southwestern Medical Center  
Dallas, TX

**Barry H. Greenberg, MD, FHSA**

Distinguished Professor of Medicine  
Director, Advanced Heart Failure  
Treatment Program  
University of California, San Diego  
La Jolla, CA

**Anju Nohria, MD**

Assistant Professor of Medicine, Harvard Medical School  
Director, Brigham and Women's Hospital/Dana Farber Cancer Institute  
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**Johnathan D. Rich, MD**

Assistant Professor in Medicine-Cardiology  
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**Joseph G. Rogers, MD**

Professor of Medicine  
Interim Chief, Division of Cardiology  
Vice Chair for Clinical Practice, Department of Internal Medicine  
Duke University School of Medicine  
Durham, NC

**Clyde W. Yancy, MD, MSc, HFSA**  
Vice - Dean, Diversity & Inclusion  
Professor of Medicine  
Professor, Medical Social Sciences  
Chief, Cardiology Associate Director, Bluhm Cardiovascular Institute  
Northwestern University, FSM & Northwestern Memorial Hospital  
Chicago, IL

**Disclosures: Presenters and Planners:**

As a provider accredited by ACCME, HFSA must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Directors, planning committee members, and speakers are required to disclose all relevant financial relationships. Faculty will also disclose off-label or investigational uses of pharmaceuticals or devices discussed in their presentations. All potential conflicts have been resolved in accordance with ACCME guidelines for commercial support and content validation.

**James C. Fang, MD, FACC, FAHA (Chair)**  
Nothing to disclose

**Sean P. Pinney, MD (Chair)**  
Nothing to disclose

**Kirkwood Adams, MD**  
Research: Novartis, Amgen, Roche, Otsuka, Cardiorientis  
Consultant: Amgen, Relypsa, Merck

**Allen S. Anderson, MD, FACC, FAHA**  
Research: St. Jude / Thoratec  
Honoraria: Novartis, Amgen  
Consultant: GE HealthCare

**Barry A. Borlaug, MD**  
Employment: Mayo Clinic  
Research: Aires Pharma, Inc., Amgen, Medtronic  
Consultant: Merck and Co, Inc

**Daniel Burkhoff, MD, PhD**  
Ownership Interest: PVLoops LLC (educational software)

**Joshua M. Cooper, MD**  
Employment: Temple University  
Honoraria: Biotronick, Boston Scientific, Medtronic, St. Jude  
Consultant: Biotronick, Biosense

**Akshay Desai, MD**  
Nothing to disclose

**Mark Drazner, MD, FHSA**

Nothing to disclose

**Barry H. Greenberg, MD, FHSA**

Nothing to disclose

**Anju Nohria, MD**

Research: Amgen (Pending)

**Johnathan D. Rich, MD**

Nothing to disclose

**Joseph G. Rogers, MD**

Nothing to disclose

**Clyde W. Yancy, MD, MSc, FHSA**

No relevant relationships to disclose

**Jaime Abreu, MBA (HFSA Staff, Planning Committee)**

Nothing to disclose

**Method of Participation and CME Certificate:**

The information provided in this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical/clinical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's medical condition. This product offers up to 19.5 hours of CME credit based on the number of hours you spend watching the sessions. To receive CME credit for this product, you must:

- Sign in or Register for the Product.
- Read the CME information including target audience, learning objectives, and faculty disclosures.
- Complete the Pre-Test by recording the best answer to each question. There is no scoring of the pre-test questions section.
- View the educational activity.
- Complete the post-test and evaluation questions by clicking on the CE Information tab within the session that you wish to evaluate and recording the best answer to each question. You must score 80% or higher on the combined session test, but you will have the opportunity to re-take questions that you missed until you score 80%.
- To receive your certificate, you must receive a passing score. After successfully completing the post-test and evaluation, your CME certificate will be generated and immediately available for print. Your credit will be archived and tallied.

**Medium or Combination of Media Used:**

The 2016 HFSA Board Review Course on Demand is available in these format offerings:

- Online access with downloadable MP3 files
- Mobile version for most mobile devices

**Hardware/Software Requirements:**

Please see below for the most current list of system requirements.

- Adobe Flash Plugin (Click on the link to install: <http://get.adobe.com/flashplayer/>)
- Supported Browsers: Internet Explorer 9 or higher, Firefox, Chrome
- Computer with speakers and/or headset
- High speed internet connection

**Provider Contact Information:**

For Customer Support, please contact: [support@digitellinc.com](mailto:support@digitellinc.com) or Toll Free: **877-796-1325**

**Heart Failure Society of America Contact Information:**

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