CATCH-UP 2017
Heart Failure, Devices and Interventions
Friday, April 21 & Saturday, April 22, 2017

LATEST RESULTS OF HM3 & HVAD TRIALS

25+ Years of Pioneering Work in Ventricular Assist Devices

Columbia University
College of Physicians and Surgeons

NewYork-Presbyterian
Introduction
CATCH-UP 2017 is the 8th Annual Cardiac Assist Device Therapy Course hosted by NewYork-Presbyterian/Columbia University Irving Medical Center. This premier two-day course will further educate on the diagnosis and management of patients with advanced heart failure. Lectures will be given by internationally recognized experts who will address the newest clinical trials published in the field, and review standard and emerging treatments for advanced heart failure patients. Didactic sessions, case presentations and interactive discussions will engender learning and improvement in the management of patients with the full spectrum of heart failure.

Target Audience
This activity is designed for cardiologists, interventional cardiologists, cardiothoracic surgeons, internists, intensivists, cardiac nurses, physician assistants, physical therapists, and other medical professionals involved in the evaluation, diagnosis and/or management of patients with heart failure.

Learning Objectives
- Discuss the new heart transplant allocation system
- Review the indications for heart transplantation listing
- Discuss criteria for LVAD placement
- Identify common complications of LVAD therapy
- Discuss the latest LVAD clinical trials
- Review current treatment modalities for cardiogenic shock
- Review recent clinical trials in hypertrophic cardiomyopathy and pulmonary hypertension

Accreditation
The College of Physicians and Surgeons of Columbia University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement
The College of Physicians and Surgeons designates this live activity for a maximum of 13.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Nurses and physician assistants are encouraged to check with their accrediting organization to ensure they accept AMA PRA Category 1 Credits™.

Support
We expect support for this program through grants from pharmaceutical and medical device companies.

Cover Illustration © Robert Bump, former LVAD patient and heart transplant recipient
Program Agenda
Friday, April 21, 2017

7:00am-8:00am   Registration, Breakfast & Vendor Exhibits

8:00am-8:10am   Welcome & Introduction
— Paolo C. Colombo, MD, FACC & Laura L. Forese, MD

8:10am-9:40am   Device Therapy for Patients in SHOCK
Panelists: Hiroo Takayama, MD, PhD, Ajay J. Kirtane, MD, A. Reshad Garan, MD, Koji Takeda, MD, PhD, Nir Uriel, MD, MSc,

8:10am-8:30am   Hemodynamic Underpinning of Percutaneous Ventricular Assist Devices in Cardiogenic Shock
— Nir Uriel, MD, MSc

8:30am-8:50am  Advanced Percutaneous Options in Cardiogenic Shock
Case Presentation
— Ajay J. Kirtane, MD

8:50am-9:10am   ECMO for the Patient in Shock: Should it be More than Salvage Therapy?
Case Presentation
— Hiroo Takayama, MD, PhD & Koji Takeda, MD, PhD

9:10am-9:30am   The Columbia Shock Team and Shock Algorithm
— A. Reshad Garan, MD

9:30am-9:40am  Q&A

9:40am-9:55am  Break & Vendor Exhibits

9:55am-11:35am   Long-term LVADs: The Columbia Multidisciplinary Approach
Panelists: Jonathan Hastie, MD, Yoshifumi Naka, MD, PhD, Nir Uriel, MD, MSc, Vivek Rao, MD, Paolo C. Colombo, MD, FACC

9:55am-10:15am   LVAD Technology: Celebrating Success and Exploring the Unknowns
— Melana Yuzefpolskaya, MD

10:15am-10:35am  MOMENTUM 3 Trial: HeartMate 3 vs. HeartMate II
— Yoshifumi Naka, MD, PhD

10:35am-10:55am   Perioperative Hemodynamic Optimization in LVAD Patients: Focus on the RV – Case-based Learning
— Jonathan Hastie, MD

10:55am-11:15am Case Discussion (Too often, too late…)

11:15am-11:35am   State of the Art Lecture – To Pulse or Not to Pulse? That is the Question
— Paolo C. Colombo, MD, FACC

11:35am-12:35pm Lunch & Vendor Exhibits

12:35pm-2:15pm   Limitations of LVAD Therapy: Thrombosis, Bleeding, Stroke and More

12:35pm-12:55pm Imaging Assessment in LVAD patients
— Nir Uriel, MD, MSc

12:55pm-1:15pm Initiation and Monitoring of Anticoagulation
— Douglas Jennings, PharmD, FACC, FAHA
1:15pm-1:35pm  Is it Time to Test the NOACs?
— Andrew B. Eisenberger, MD

1:35pm-1:55pm  Stroke Management
— Joshua Z. Willey, MD, MS

1:55pm-2:15pm  GI Bleed Management: Are We Ready for a Paradigm Shift?
— Jordan Axelrad, MD, MPH

2:15pm-2:30pm  Break & Vendor Exhibits

2:30pm-4:00pm  Cutting Edge of Cardiac Transplantation
Panelists: Jon A. Kobashigawa, MD, Maryjane A. Farr, MD, Sun Hi Lee, MD, Megan Sykes, MD

2:30pm-2:50pm  State of the Art Lecture – New Windows into Human Allograft Tolerance and Rejection
— Megan Sykes, MD

2:50pm-3:10pm  Cardiac Transplantation: Overview of the Field
— Jon A. Kobashigawa, MD

3:10pm-3:30pm  Heart Allocation in the US
— Maryjane A. Farr, MD

3:30pm-3:50pm  How to Walk Through Fire
— Cherie Aimée, CEO & Founder, Live Big Be Happy

3:50pm-4:00pm  Q&A

4:00pm-4:15pm  Break & Vendor Exhibits

4:15pm-4:35pm  State of the Art Lecture – Precision Medicine: Tailored Approach to Patient Management
— Muredach P. Reilly, MBBCH, MSCE

4:35pm-5:35pm  Living with an LVAD

4:35pm-4:50pm  Clinical and Administrative View in LVAD Shared Care
— James J. Lyons, MD, FACC

4:50pm-5:05pm  Troubleshooting/Life Experiences with an LVAD
— Margaret Flannery, FNP-c

5:05pm-5:20pm  Patient Education – Focus on Prevention of Driveline Infection
— Barbara Cagliostro, RN, MSN, CCM

5:20pm-5:35pm  The Role of Palliative Care in Treatment of LVAD Patients
— Shunichi Nakagawa, MD

5:35pm-6:45pm  LVAD Pipeline: New Investigational Devices (Non-CME Session)

5:35pm-5:50pm  Fully Implantable LVAD: FILVAS (Abbott Inc.)
— John B. (Jack) O’Connell, MD

5:50pm-6:05pm  New HeartWare Products (Medtronic Inc.)
— Thomas A. Vassiliades, MD, MBA, FACS

6:05pm-6:20pm  Future Impella Technology (Abiomed)
— Daniel H. Raess, MD, FACC, FACS

6:20pm-6:35pm  Updates in Latest LVAD Trials (Jarvik Heart)
— Robert Jarvik, MD

6:35pm-6:45pm  Closing Remarks
Program Agenda
Saturday, April 22, 2017

7:30am-8:30am  Registration, Breakfast & Vendor Exhibits

8:30am-9:30am  Cardiac Regeneration: Updates from the Lisa and Mark Schwartz Program to Reverse Heart Failure

8:30am-8:50am  Determinants of Myocardial Recovery
— Veli K. Topkara, MD, MSc

8:50am-9:10am  Metabolic Signaling Pathways in Cardiomyocytes
— Barry Fine, MD, PhD

9:10am-9:30am  Adult-like Human Myocardium Engineered In Vitro for Modeling of Cardiac Myopathy and Hypertrophy
— Gordana Vunjak-Novakovic, BS, MS, PhD

9:30am-10:50am  Heart Failure Updates

9:30am-9:50am  Key Note Lecture – Evidence Based Management of Heart Failure: Past, Present and the Future
— Milton Packer, MD, FACC, FHFA

9:50am-10:10am  Pregnancy and Heart Disease
— Jennifer H. Haythe, MD

10:10am-10:30am  Pulmonary Hypertension
— Evelyn M. Horn, MD

10:30am-10:50am  Obesity in Heart Failure
— Rachel Bijou, MD

10:50am -11:05am Break & Vendor Exhibits

11:05am -11:25am  State of the Art Lecture – Venous Congestion in HF: Saving Private RV
— Paolo C. Colombo, MD, FACC

11:25am-11:45am  CardioMems: The Nuts and Bolts of Creating a Successful Program
— Kelly M. Axsom, MD & Audrey C. Kleet, MS, ACNP-BC

11:45am-12:05pm  Entresto Conundrum
— Emily J. Tsai, MD, FACC, FAHA & Warren Rosenblum, MD

12:05am-12:25pm  Ivabradine
— Rachel Bijou, MD

12:25pm-12:45pm  Hypertrophic Cardiomyopathy
— Farhana Latif, MD

12:45pm-1:30pm Lunch & Vendor Exhibits
1:30pm-3:10pm  Treatment of Advanced Heart Failure: Valves, Coronaries and More  
Panelists: Yoshifumi Naka, MD, PhD, Allan Schwartz, MD, Susheel K. Kodali, MD, Dimitri Karmpaliotis, MD, PhD

1:30pm-1:50pm  State of the Art Lecture – Percutaneous Valve Therapy  
— Susheel K. Kodali, MD

1:50pm-2:10pm  Challenging Valvular Cases  
— Tamim M. Nazif, MD

2:10pm-2:30pm  Evidence-Based Surgical Treatment of Heart Failure  
— Vivek Rao, MD, PhD, FRCS(C), FAHA

2:30pm-2:50pm  Percutaneous Coronary Intervention for Chronic Total Occlusion  
— Dimitri Karmpaliotis, MD, PhD

2:50pm-3:10pm  Challenging Ischemic Cases

3:10pm-3:30pm  Closing Remarks

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**Course Organizers**

**Program Administrator**
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**Meeting Location**

NewYork-Presbyterian/Columbia University Irving Medical Center  
Vivian and Seymour Milstein Family Heart Center, First Floor  
173 Fort Washington Avenue, New York, NY 10032

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**Transportation**

**Parking:** Parking is available at the NewYork-Presbyterian/Columbia University Irving Medical Center parking garage, located on the southwest corner of Fort Washington Avenue and West 165th Street. Parking fee is NOT included with registration.

Valet parking is available at the entrance of the Milstein Hospital Building located at 177 Fort Washington Avenue.

**Subway:** Take the 1, A, C lines to 168 Street–Washington Heights/Broadway.

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**Hotels**

**Local Area Hotels:** For a listing of local area hotels, visit [www.ColumbiaSurgeryCME.org](http://www.ColumbiaSurgeryCME.org) and select CATCH-UP 2017 CME.
Course Directors
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Columbia University College of Physicians and Surgeons

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Guest Faculty

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Live Big Be Happy

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Physician-in-Chief
Vivian and Seymour Milstein Family Heart Center
Vice Chair, Department of Medicine

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Director of Research
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Columbia University

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Assistant Attending Neurologist, Stroke Service
Registration Fees

Seating in the Myrna L. Daniels Auditorium:
Physicians – $325
Nurses and other clinicians – $225
Non-medical professionals – $750

Seating in the side Conference Rooms (with live broadcast from the Auditorium):
NYP physicians – $200
NYP nurses and other clinicians – $100
Residents, cardiovascular trainees and students – $100
NYP residents, cardiovascular trainees and students – $0

Registration fees include two days of lectures, course materials, and meals. A confirmation e-mail will be sent upon receipt of registration and payment.

How to Register

Online: To make a credit card payment, register online at www.ColumbiaSurgeryCME.org and select CATCH-UP 2017. For security purposes, credit card payments cannot be accepted in the mail or by phone. American Express, Discover, MasterCard, and Visa are accepted.

By Mail: Please complete the attached registration form and mail together with full payment to:
Columbia University Medical Center
Department of Surgery, External Affairs
400 Kelby Street, 9th Floor
Fort Lee, NJ 07024
ATTN: CATCH-UP 2017 Course

Enclose a check or money order made payable to Columbia University, Department of Surgery/CATCH-UP 2017. Checks must be drawn in U.S. dollars on a U.S. bank.

PLEASE NOTE: Registration is limited and will be handled on a first-come, first-served basis. Telephone registrations and/or cancellations are not accepted. Refund of registration fee, less a $25 administrative charge, will be made if written notice of cancellation is received by March 31, 2017. No refunds can be made thereafter.
Registration

Please register me for the continuing medical education program entitled:

**CATCH-UP 2017: Heart Failure, Devices, and Interventions**
**Friday, April 21 & Saturday, April 22, 2017**

*Seating in the Myrna L. Daniels Auditorium*
- Physicians – $325
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- Non-medical professionals – $750

*Seating in the side conference rooms (with live broadcast from the Auditorium)*
- NYP physicians – $200
- NYP nurses and other clinicians – $100
- Residents, cardiovascular trainees and students – $100
- NYP residents, cardiovascular trainees and students – $0

Space is limited, so early registration is highly encouraged.

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Company/Affiliation

Address

City  State  Zip

Daytime Phone  Daytime Fax

E-mail (required for confirmation purposes)

Specialty

Special Needs (specify accommodations needed or dietary needs)

Attendee Signature  Date

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