CATCH-UP 2015
Heart Failure, Devices and Interventions
Friday, April 24 & Saturday, April 25, 2015

NewYork-Presbyterian/Columbia University Medical Center
Vivian and Seymour Milstein Family Heart Center
New York, NY

Marking 25 Years of Pioneering Work in Ventricular Assist Devices
Introduction
CATCH-UP 2015 is the 6th Annual Cardiac Assist Device Therapy Course hosted by NewYork-Presbyterian/Columbia University Medical Center. This premier two-day course will further educate on the diagnosis and management of patients with heart failure. Lectures will be given by internationally recognized experts who will address the current clinical practice, use of standard and emerging treatments and evolution of the field. 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
- Review recent clinical trials in heart failure and pulmonary hypertension
- Diagnose and treat valvular disease in heart failure
- Diagnose and treat acute cardiogenic shock
- Identify transplant and LVAD candidates in the heart failure population
- Recognize and treat complications of LVAD therapy
- Discuss new LVAD technologies
- Discuss cardiac regeneration in heart failure

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 13.0 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™.

Breakdown of AMA PRA Category 1 Credits™
Friday, April 24, 2015: 7.0 AMA PRA Category 1 Credits™
Saturday, April 25, 2015: 6.0 AMA PRA Category 1 Credits™

Support
We expect support for this program through grants from pharmaceutical and medical device companies.
Program Agenda
Friday, April 24, 2015

8:30am – 8:50am  Registration, Breakfast & Vendor Exhibits

8:50am – 9:00am  Welcome & Introduction
   Paolo C. Colombo, MD

9:00am – 10:30am  ACUTE CARDIOGENIC SHOCK
   Panelists: Hiroo Takayama, MD, PhD, Jeffrey W. Moses, MD, A. Reshad Garan, MD, Matthew Bacchetta, MD, MBA, MA, Koji Takeda, MD, PhD

9:00am – 9:15am  Pharmacological Therapies of Cardiogenic Shock
   A. Reshad Garan, MD

9:15am – 9:30am  Percutaneous Options in Cardiogenic Shock: Old Disease, New Technology
   Jeffrey W. Moses, MD

9:30am – 9:45am  Challenging Cases
   Koji Takeda, MD, PhD

9:45am – 10:00am  Surgical Management of Cardiogenic Shock
   Hiroo Takayama, MD, PhD

10:00am – 10:15am  Case Studies
   Matthew Bacchetta, MD, MBA, MA

10:15am – 10:30am  Q&A

10:30am – 10:45am  Break & Vendor Exhibits

10:45am – 1:30pm  REFRACTORY HEART FAILURE: WHAT ARE MY OPTIONS?
   Heart Transplantation
   (Susan W. Restaino, MD – Physician Chair)
   Panelists: Donna M. Mancini, MD, Yoshifumi Naka, MD, PhD, P. Christian Schulze, MD, PhD, Mandeep R. Mehra, MD, FACC, FACP, FRCP, Warren Rosenblum, MD

10:45am – 11:00am  Heart Transplantation: What Does the Future Hold?
   Donna M. Mancini, MD

11:00am – 11:15am  Donor Allocation in the US
   P. Christian Schulze, MD, PhD

11:15am – 11:30am  Organ Allocation Around the World
   Mandeep R. Mehra, MD, FACC, FACP, FRCP

11:30am – 11:45am  Q&A

11:45am – 12:45pm  Lunch & Vendor Exhibits

12:45pm – 1:00pm  LVAD Therapy
   Paolo C. Colombo, MD
1:00pm – 1:15pm  Surgical Techniques and Innovations  
*Yoshifumi Naka, MD, PhD*

1:15pm – 1:30pm  Post-Op VAD Management in the ICU  
*Alan M. Gaffney, MD*

1:30pm – 1:45pm  **Break & Vendor Exhibits**

1:45pm – 3:10pm  **LVAD: COMPLICATIONS – FOCUS ON THROMBOSIS**  
Panelists: Hiroo Takayama, MD, PhD, Yoshifumi Naka, MD, PhD, Joshua Z. Willey, MD, Nir Uriel, MD, MSc, Andrew B. Eisenberger, MD, Mandeep R. Mehra, MD, FACC, FACP, FRCP

1:45pm – 2:10pm  Diagnosis and Treatment of Device Thrombosis in LVADs  
*Nir Uriel, MD, MSc*

2:10pm – 2:25pm  Bleeding Disorders During LVAD Support – The Hematologist Perspective  
*Andrew B. Eisenberger, MD*

2:25pm – 2:40pm  Device Exchange for Thrombosis  
*Hiroo Takayama, MD, PhD*

2:40pm – 2:55pm  Coumadin Genotyping, Tailored Approach, Challenging Cases  
*Veli Topkara, MD, MSc*

2:55pm – 3:10pm  Q&A

3:10pm – 4:10pm  **THE NEW ERA FOR LVAD: INVESTIGATIONAL LONG-TERM DEVICES**

3:10pm – 3:25pm  Jarvik Heart – Update 2015  
*Robert Jarvik, MD*

3:25pm – 3:40pm  HeartMate III Trial and F1LVAS (Thoratec Corporation)  
*John B. O’Connell, MD*

3:40pm – 3:55pm  MVAD and Circulite (HeartWare)  
*Daniel Burkhoff, MD, PhD*

3:55pm – 4:10pm  **Break & Vendor Exhibits**

4:10pm – 6:00pm  **CARDIAC REGENERATION - CONSTANTLY PUSHING THE ENVELOPE**  
Panelists: Silviu Itescu, MD, MBBS, FRACP, FACP, FTSE, Gordana Vunjak-Novakovic, PhD, Veli Topkara, MD, MSc, Barry Fine, MD, PhD, Paolo C. Colombo, MD, Yoshifumi Naka, MD, PhD

4:10pm – 4:40pm  State of the Art Lecture: Update in Stem Cell Therapy  
*Silviu Itescu, MD, MBBS, FRACP, FACP, FTSE*

4:40pm – 5:45pm  Updates from the Lisa and Mark Schwartz Program to Reverse Heart Failure  
*Gordana Vunjak-Novakovic, PhD, Veli Topkara, MD, MSc, Barry Fine, MD, PhD, Paolo C. Colombo, MD, Yoshifumi Naka, MD, PhD*

5:45pm – 6:00pm  **Adjourn & Closing Remarks**

6:00pm – 7:30pm  **RECEPTION: 25 YEARS OF VAD THERAPY AT COLUMBIA**  
*Featured Presentation by Mehmet C. Oz, MD, FACS*  
*Interview with Patients*
**Saturday, April 25, 2015**

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:00am – 8:30am</td>
<td>Registration, Breakfast &amp; Vendor Exhibits</td>
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<td><strong>8:30am – 10:15am</strong></td>
<td><strong>HEART FAILURE</strong> &lt;br&gt; (Rachel Bijou, MD – Physician Chair)  &lt;br&gt; Panelists: Mathew S. Maurer, MD, Farhana Latif, MD, Evelyn M. Horn, MD, Jennifer H. Haythe, MD, Susan W. Restaino, MD, Paul Chai, MD</td>
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<td>8:30am – 8:45am</td>
<td>Advances in Heart Failure Therapy: PARADIGM-HF &lt;br&gt; Mathew S. Maurer, MD</td>
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<td>Hypertrophic Cardiomyopathy &lt;br&gt; Farhana Latif, MD</td>
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<td>Pulmonary Hypertension &lt;br&gt; Evelyn M. Horn, MD</td>
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<td>Cardiac Diseases in Pregnancy &lt;br&gt; Jennifer H. Haythe, MD</td>
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<td>Q&amp;A</td>
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<td>Preventing Heart Failure Readmissions in the Era of Health Care Reform &lt;br&gt; Susan W. Restaino, MD</td>
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<td>Adult Congenital Heart Disease: Role of LVAD Therapy &lt;br&gt; Paul Chai, MD</td>
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<td><strong>10:30am – 11:45am</strong></td>
<td><strong>TREATMENT OF ADVANCED HEART FAILURE:</strong> &lt;br&gt; <strong>VALVULAR DISEASE-FOCUS ON MR &amp; AS</strong> &lt;br&gt; Panelists: Allan Schwartz, MD, Martin B. Leon, MD, Michael Argenziano, MD, Yoshifumi Naka, MD, PhD, Melana Yuzefpolskaya, MD, Simon Maltais, MD, PhD</td>
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<td>10:30am – 10:45am</td>
<td>Medical Therapy: What Works? &lt;br&gt; Melana Yuzefpolskaya, MD</td>
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<td>10:45am – 11:00am</td>
<td>Surgical Options: Indications, Techniques, Results &lt;br&gt; Michael Argenziano, MD</td>
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<td>11:00am – 11:15am</td>
<td>Percutaneous Therapy of Valvular Disease: Patient Selection, Methods, Outcomes, Current Status in the US &lt;br&gt; Martin B. Leon, MD</td>
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<td>Lunch &amp; Vendor Exhibits</td>
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| 12:45pm-1:10pm    | **KEY NOTE LECTURE: STATE OF THE FIELD IN ADVANCED HEART FAILURE: WHERE ARE WE HEADED?**  
|                 | Mandeep R. Mehra, MD, FACC, FACP, FRCP                               |
| 1:10pm -2:00pm    | **TREATMENT OF ADVANCED HEART FAILURE: CORONARY ARTERY DISEASE**  
|                 | Panelists: Allan Schwartz, MD, Martin B. Leon, MD,  
|                 | Michael Argenziano, MD, Yoshifumi Naka, MD, PhD,  
|                 | Sun Hi Lee, MD, Simon Maltais, MD, PhD                               |
| 1:10pm-1:25pm     | Percutaneous Management of Chronic Total Occlusion  
|                 | Jeffrey W. Moses, MD                                                  |
| 1:25pm-1:40pm     | CABG versus LVAD in Advanced Ischemic Cardiomyopathy  
|                 | Simon Maltais, MD, PhD                                                |
| 1:40pm-1:50pm     | Cases Studies                                                         |
| 1:50pm-2:00pm     | Q&A                                                                   |
| 2:00pm-2:15pm     | **Break & Vendor Exhibits**                                           |
| 2:15pm-3:10pm     | **TREATMENT OF ADVANCED HEART FAILURE: LVAD THERAPY – WHO AND WHEN TO REFER?**  
|                 | Panelists: Melana Yuzefpolskaya, MD, Paolo C. Colombo, MD,  
|                 | A. Reshad Garan, MD, Craig Blinderman, MD, Shunichi Nakagawa, MD    |
| 2:15pm-2:25pm     | Patient Selection: Do We Need a Risk Score?  
|                 | Paolo C. Colombo, MD                                                  |
| 2:25pm-2:35pm     | Predicting Post-LVAD RV Failure                                      
|                 | Maryjane Farr, MD, MSc, FACC                                          |
| 2:35pm-2:45pm     | Should We Treat VT in LVAD Patients? Who Needs an ICD?  
|                 | A. Reshad Garan, MD                                                   |
| 2:45pm-2:55pm     | Case Presentation: Palliative Care/End of Life  
|                 | Craig Blinderman, MD, Shunichi Nakagawa, MD                          |
| 2:55pm-3:10pm     | Q&A                                                                   |
| 3:10pm-4:00pm     | **LVAD MANAGEMENT IN THE COMMUNITY & NP SUMMIT**                     |
| 3:10pm-3:25pm     | Clinical and Administrative View in Shared Care  
|                 | James J. Lyons, MD, FACC                                              |
| 3:25pm-4:00pm     | Troubleshooting/Life Experience                                       
|                 | VAD NPs                                                               |
| 4:00pm-4:15pm     | Adjourn & Closing Remarks                                             |
Course Directors

Paolo C. Colombo, MD
Herbert Irving Associate Professor of Medicine
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Guest Faculty

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VP, Medical Science, HeartWare International
Adjunct Associate Professor of Medicine, Columbia University

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Seymour Milstein and Harold Ames Hatch Professor of Medicine  
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Chief, Division of Cardiology  
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NewYork-Presbyterian/Columbia University Medical Center

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Special Events Coordinator  
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E-mail: at3004@cumc.columbia.edu
**Meeting Location**
NewYork-Presbyterian/Columbia University Medical Center  
Vivian and Seymour Milstein Family Heart Center  
173 Fort Washington Avenue, New York, NY 10032

**Parking:** Parking is available at the NewYork-Presbyterian/Columbia University 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.

**Local Area Hotels:** For a listing of local area hotels, visit [www.ColumbiaSurgeryCME.org](http://www.ColumbiaSurgeryCME.org) and select CATCH-UP 2015 CME.

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**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
- Residents, cardiovascular trainees and students – $100
- NYP nurses and other clinicians – $100
- *NYP residents, cardiovascular trainees and students – $0

*NYP residents, cardiovascular trainees and students are welcome to attend this course at no charge if space is available. Please email your request to at3004@cumc.columbia.edu and you will be contacted a week prior to the course if there is space.

**Registration fee includes:**

- AMA PRA Category 1 Credits
- Two days of program lectures by internationally recognized experts
- Course materials
- Meals (breakfast, lunch and refreshment breaks each day)
- Faculty Reception with Dr. Mehmet Oz on the evening of Friday, April 24, 2015

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**Payment Method**

**Online:** To make a credit card payment, please register online at [www.ColumbiaSurgeryCME.org](http://www.ColumbiaSurgeryCME.org) and select CATCH-UP 2015. 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, 11th Floor  
Fort Lee, NJ 07024  
ATTN: CATCH-UP 2015 Course

Enclose a check or money order made payable to Columbia University Department of Surgery. Checks must be drawn in U.S. dollars on a U.S. bank.
Registration

Please register me for the continuing medical education program entitled:

**CATCH-UP 2015: Heart Failure, Devices, and Interventions**

*April 24 and 25, 2015*

- Physicians (Auditorium seating) – $325
- Nurses and other clinicians (Auditorium seating) – $225
- Non-medical professionals (Auditorium seating) – $750
- NYP physicians (Conference Room seating) – $200
- NYP nurses and other clinicians (Conference Room seating) – $100
- Residents, cardiovascular trainees and students (Conference Room seating) – $100
- *NYP residents, cardiovascular trainees and students – $0

Space is limited, so early registration is highly encouraged.

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<th>Degree</th>
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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

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 April 10, 2015. No refunds can be made thereafter.
CATCH-UP 2015

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