

UW Medicine

UW SCHOOL  
OF MEDICINE

*3rd Annual*

# Full Spectrum of Heart Failure Therapy: Reviving The Heart

Friday & Saturday  
October 7 – 8, 2016

Motif Hotel  
1415 Fifth Avenue  
Seattle, WA 98101



Sponsored by the University of Washington School of Medicine  
Division of Cardiology • Division of Cardiothoracic Surgery  
Office of Continuing Medical Education  
University of Washington School of Nursing • Continuing Nursing Education

3rd Annual

# Full Spectrum of Heart Failure Therapy: Reviving The Heart

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## WHO SHOULD ATTEND

Primary care physicians, hospitalists, cardiologists, intensivists, palliative care physicians, cardiac surgeons, fellows and residents, advanced care practitioners, nurses, pharmacists and allied health professionals.

## COURSE DESCRIPTION

The University of Washington Division of Cardiology and Division of Cardiothoracic Surgery welcome you to a comprehensive review of the management of heart failure. Faculty will cover cutting-edge topics pertinent to the practicing primary care physician, hospitalist, cardiologist, intensivist, palliative care physician, cardiac surgeon, fellow and resident, advanced care practitioner, nurse, pharmacist and allied health professional for patients with heart failure of varying severity and etiology. There will be informative didactics, interesting case discussions and lively debates.

## COURSE OBJECTIVES

Upon completion of this activity, attendees should be able to:

- Review the epidemiology of heart failure of varying types and severity.
- Describe the medical and surgical management of heart failure.
- Discuss results of recent clinical trials.
- Recognize new technology and innovations for heart failure treatment.

<b>MD/DO/PhD</b>	<b>\$315</b>
<b>Allied Health</b>	<b>\$255</b>
<b>Resident/Fellow</b>	<b>\$130</b>
After September 22, 2016, course fees will increase \$30	

## ACCREDITATION

### Accreditation with Commendation

The University of Washington School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



### Credit Designation

The University of Washington School of Medicine designates this live activity for a maximum of 12.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nurses:** 12.0 contact/clock hours will be awarded for successful completion.

Continuing Nursing Education at the University of Washington School of Nursing (UW CNE) is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation (ANCC).

Provider is approved by the California Board of Registered Nursing, Provider #07218, for 12.0 contact hours.

## FEES AND REGISTRATION

The fee for this course includes catering, all instruction materials and certificate of attendance. To ensure enrollment, please complete the enclosed registration form and forward it with the appropriate tuition or register online. Allow up to fifteen working days to receive your email confirmation of enrollment. If you have not received confirmation prior to your departure for the course, please contact the CME office at 206.543.1050. Continuing Medical Education will not be responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the course.

## CONFERENCE SYLLABUS IS GOING GREEN

Syllabus materials will be available for download at [uwcme.org](http://uwcme.org) (for conference registrants only). Materials will be available beginning **September 30** for registrants to print and/or download. A booklet with the conference agenda and pages for note-taking will be provided at the conference.

## ATTENDANCE POLICY

Course activities are reserved for course attendees. Badges provided at registration are required for entrance into all functions and this requirement will be strictly enforced.

UW CME takes into consideration diverse nutritional preferences and restrictions when planning our complimentary menu. However, those individuals who might find that our menu is not completely aligned to their specific nutritional needs are welcome to bring their own food items.

## CANCELLATION POLICY

The Office of Continuing Medical Education must receive written notification of your cancellation by **September 23, 2016**. A \$75.00 processing fee will be deducted from refund requests received by this date. No refunds will be issued after **September 23, 2016**. The Office of Continuing Medical Education reserves the right to cancel this course twenty (20) days prior to the course date when a minimum enrollment is not met or for other reasons that prevent the University from holding the course. Each registrant will be notified by telephone followed by written notification and a full refund. The University of Washington is not responsible for any other costs incurred such as non-refundable airline tickets or hotel penalties. Contact CME with questions – **call 206.543.1050, fax 206.221.4525 or email [cme@uw.edu](mailto:cme@uw.edu)**.

## SPECIAL SERVICES

Continuing Medical Education at the University of Washington is a self-sustaining unit and does not depend on or receive public monies in support of its educational efforts. Fees for this course are estimated to cover the costs of conducting this course. These costs include salaries, registration and credit, handouts, record keeping, faculty planning and evaluation and may include food, beverages, taxes and gratuities to vendors. The University of Washington reaffirms its policy of equal opportunity regardless of race, color, creed, religion, national origin, sex, sexual orientation, age, marital status, disability, or status as a disabled veteran or Vietnam era veteran in accordance with University policy and applicable federal and state statutes and regulations. The University of Washington is committed to providing access and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation in the application process contact the department at: 206.543.1050 or the Disability Services Office at least ten days in advance.

Contact Disability Services Office

206.543.6450/Voice • 206.543.6452/TTY • 206.685.7264/Fax • e-mail: [dso@uw.edu](mailto:dso@uw.edu)

## UW COURSE CO-CHAIRS

### **Nahush Mokadam, MD, FACC, FACS**

Lester and Connie LeRoss Endowed Professor in Cardiovascular Surgery  
Professor of Surgery, Division of Cardiothoracic Surgery  
Surgical Director, Heart Transplantation and Mechanical Circulatory Support  
Program Director, Cardiothoracic Residency

### **Claudius Mahr, DO, FACC, FESC**

Advanced Heart Failure and Transplant Cardiology  
Director, Clinical Integration, UW Regional Heart Center  
Medical Director, Mechanical Circulatory Support

### **Daniel P. Fishbein, MD, FACC**

Professor of Medicine  
Medical Director, Congestive Heart Failure/Cardiac Transplantation Services  
Attending Physician, University of Washington Medical Center

### **Robb MacLellan, MD, FACC**

Professor of Medicine and Division Head, Cardiology  
Robert A. Bruce Endowed Chair in Cardiovascular Research  
Professor of Physiology

## UW PROGRAM COMMITTEE

Kevin O'Brien, MD, FAHA

Jay Pal, MD, PhD

Brea McLaughlin, ARNP

Christina Redmond, MN, ARNP

Jennifer Beckman, MSN, ARNP, CHFNP

Jason Bjelkengren, BSN, RN

Shauna Andrus, BSN, RN

## KEYNOTE SPEAKER

### **Keith Aaronson, MD, MS**

Bertram Pitt Collegiate Professor of Cardiovascular Medicine  
Medical Director, Heart Transplant Program &  
Center for Circulatory Support  
Co-Director, Heart Failure and Transplant Management Program  
University of Michigan



# Course Faculty (continued)

## GUEST FACULTY

**Thomas Amidon, MD**

Cardiologist  
Overlake Medical Center  
Bellevue, WA

**Margaret Hall, MD**

Cardiologist  
UW Medicine - Northwest Hospital &  
Medical Center  
Seattle, WA

**Amitoj Marwaha, MD**

Director of Echocardiography  
UW Medicine - Valley Medical Center  
Renton, WA

**Rosemary Peterson, MD**

Medical Director for Heart Failure  
CHI Franciscan Health  
Steilacoom, WA

**Tajinderpal (Tony) Saraon, MD**

Cardiologist  
CHI Franciscan Health  
Federal Way, WA

**Jason Talavera, MD**

Cardiologist  
Western Washington Medical Group  
Everett, WA

## UW FACULTY

**Shauna Andrus, BSN, RN**

Lead Mechanical Circulatory Coordinator  
University of Washington Medical Center

**Jennifer Beckman, MSN, ARNP, CHFNP**

Advanced Heart Failure  
Mechanical Circulatory Support and  
Transplant Cardiology

**Jason Bjelkengren, BSN, RN**

Advanced Heart Failure  
Mechanical Circulatory Support and  
Transplant Cardiology

**Erin Blakeney, PhD, RN**

Clinical Assistant Professor of Nursing  
Department of Biobehavioral Nursing &  
Health Systems

**Alice Chang, LICSW**

Social Work & Care Coordination  
University of Washington Medical Center

**Richard Cheng, MD**

Assistant Professor  
Division of Cardiology

**Stephanie G. Cooper, MD**

Clinical Assistant Professor of Medicine  
Division of Cardiology, Palliative Care  
Attending Physician

**Todd Dardas, MD**

Acting Assistant Professor  
Division of Cardiology

**Tracy Fowler, ARNP**

Advanced Heart Failure  
Transplant Cardiology  
UW Medicine Regional Heart Center



# Course Faculty (continued)

**Joshua Hermsen, MD**

Assistant Professor of Surgery  
Division of Cardiothoracic Surgery

**James Kirkpatrick, MD**

Associate Professor of Medicine  
Division of Cardiology

**Rebecca Kochner, ARNP**

Division of Cardiothoracic Surgery

**Peter Leary, MD**

Assistant Professor of Medicine  
Division of Pulmonary and Critical Care  
Medicine

**Wayne Levy, MD**

Professor of Medicine, Cardiology  
Medical Director, UW Regional Heart  
Center Clinic  
Program Director, Advanced Heart Failure &  
Transplant Cardiac Fellowship

**Jamie McCabe, MD**

Assistant Professor of Medicine  
Director, Cardiac Cath Lab  
Attending Physician

**Brea McLaughlin, ARNP**

Division of Cardiothoracic Surgery

**Elina Minami, MD**

Clinical Associate Professor  
Division of Cardiology

**Andrea Miura, PharmD**

Clinical Pharmacist  
University of Washington Medical Center

**Kevin D. O'Brien, MD**

Professor of Medicine, Cardiology  
Director, Inpatient Cardiology Services

**Jay Pal, MD**

Assistant Professor of Surgery  
Division of Cardiothoracic Surgery  
Cardiac Transplantation and Mechanical  
Circulatory Support

**Kristen Patton, MD**

Associate Professor of Medicine  
Division of Cardiology

**Christina Redmond, ARNP**

Advanced Heart Failure  
Mechanical Circulatory Support and  
Transplant Cardiology

**Pablo Sanchez, MD**

Assistant Professor  
Department of Surgery  
Division of Cardiothoracic Surgery  
Thoracic Surgery Section

**Jason Smith, MD**

Assistant Professor of Surgery  
Division of Cardiothoracic Surgery  
Cardiac Transplantation and Mechanical  
Circulatory Support

**Laurie Soine, PhD, ARNP**

Adult and Acute Care Nurse Practitioner  
Division of Nuclear Medicine  
Department of Radiology

**April Stempien-Otero, MD**

Associate Professor of Medicine  
Division of Cardiology

**Jason Tran, MSW**

Social Work & Care Coordination  
University of Washington Medical Center

**Sharon Whyte, RN**

Palliative Care Nurse Coordinator  
UW Medicine Regional Heart Center

**Gregory Wood, MD**

Clinical Assistant Professor  
Division of Cardiology



# Friday, October 7, 2016

7:00 **Registration and Continental Breakfast**

7:30 Welcome Remarks  
*Claudius Mahr, DO*

7:35 Northwest Heart Failure Collaborative  
*Erin Blakeney, PhD, RN*

## Heart Failure Clinical Fundamentals

Moderators: Jason Bjelkengren, RN, & Claudius Mahr, DO

7:45 Efficient vs. Sufficient: Heart Failure Assessment  
*Rosemary Peterson, MD*

8:15 Echocardiography Pearls for the Heart Failure Patient  
*James Kirkpatrick, MD*

8:45 Smooth Transitions: Optimizing the Heart Failure Patient  
*Richard Cheng, MD*

9:15 Not the Usual Suspects: HfPEf, RV Failure, Etc.  
*April Stempien-Otero, MD*

9:45 **Break**

## What's New: Recent Advancements in Heart Failure Care

Moderators: Nahush Mokadam, MD, & Jennifer Beckman, ARNP

10:15 Emerging Biological Therapies for Heart Failure  
*Robb MacLellan, MD*

10:45 What's New in Heart Failure: Guidelines, New Therapies and Evidence Gaps  
*Keith Aaronson, MD, MS*  
Keynote Speaker

11:15 Interventionalist Swiss Army Knife: New Treatments for Structural Heart Disease  
*James McCabe, MD*

11:30 Thinking Outside the Box: Heart in the Box - Opening New Avenues for Transplantation  
*Jason Smith, MD*

11:45 Who Needs Sudden Death Prevention/CRT/LifeVest?  
*Kristen Patton, MD*

12:00 **Lunch (provided)**



# Friday, October 7, 2016 (continued)

## Cardiac Transplantation: Evolution of Care

Moderators: Daniel Fishbein, MD, & Robb MacLellan, MD

- 1:15 From Blue to Pink: What's New in Pulmonary Hypertension  
*Peter Leary, MD*
- 1:45 Primary Care After Cardiac Transplantation  
*Wayne Levy, MD*
- 2:15 Mechanical Circulatory Support Highlights and Milestones - 2016  
*Nahush Mokadam, MD*
- 2:45 Adult Congenital Heart Disease: Winter is Coming  
*Joshua Hermsen, MD*
- 3:15 **Break**

## Team Sport: Multidisciplinary Care for Optimal Outcomes in Heart Failure

Moderators: Shauna Andrus, RN, & Kevin O'Brien, MD

- 3:45 Utilizing Cardiac Rehab in Heart Failure  
*Margaret Hall, MD*
- 4:00 Let's Be Social: Social Evaluation in the Heart Failure Population  
*Alice Chang, LICSW and Jason Tran, MSW*
- 4:15 Palliative Care: Planning Ahead  
*Stephanie Cooper, MD*
- 4:45 Ask the Experts: Challenges of Heart Failure Care (Mini Case Studies)  
*Daniel Fishbein, MD; Tracy Fowler, ARNP; Jay Pal, MD, PhD; Jason Tran, MSW; Sharon Whyte, RN*  
Moderators: Claudius Mahr, DO, & Amitoj Marwaha, MD
- 5:30 Rapid Fire Oral Abstract Presentations  
Moderator: Robb MacLellan, MD
- 6:00 Closing Remarks  
*Nahush Mokadam, MD*
- 6:15 Adjourn to Reception





# Saturday, October 8, 2016

8:30 Sign-In and Continental Breakfast

## Concurrent Sessions (choose one track):

- Acute Heart Failure Management
- Nuances of Durable Mechanical Circulatory Support
- Ambulatory Heart Failure Management

### Acute Heart Failure Management Track

Moderators: Jay Pal, MD, & Richard Cheng, MD

- 9:00 Cardiogenic Shock Management  
*Kevin O'Brien, MD*
- 9:20 Saving Lives & Saving Kidneys: What to Do When They Stop Peeing?  
*Daniel Fishbein, MD*
- 9:40 Short Term Support: From IABP to ECMO  
*Pablo Sanchez, MD*
- 10:00 Fish or Cut Bait: When to Transfer A Patient?  
*Tajinderpal (Tony) Saraon, MD*
- 10:20 Panel Discussion

### Nuances of Durable Mechanical Circulatory Support Track

Moderators: Brea McLaughlin, ARNP, & Elina Minami, MD

- 9:00 Outpatient Management of Durable MCS  
*Shauna Andrus, RN*
- 9:20 What About the RV? How to Prevent and Manage RV Failure  
*Claudius Mahr, DO*
- 9:40 Transition from Hospital to Home  
*Rebecca Kochner, ARNP*
- 10:00 Frequent Complications: When to Admit?  
*Todd Dardas, MD*
- 10:20 Panel Discussion

### Ambulatory Heart Failure Management Track

Moderators: Jason Talavera, MD, & Christina Redmond, ARNP

- 9:00 How to Discharge A Heart Failure Patient  
*Thomas Amidon, MD*
- 9:20 Patient Choices in Heart Failure: Ethical Considerations  
*James Kirkpatrick, MD*
- 9:40 A Picture's Worth A Thousand Words: Cardiac Imaging  
*Laurie Soine, ARNP*
- 10:00 Optimal Heart Failure Medication Management  
*Gregory Wood, MD*
- 10:20 Panel Discussion

End Concurrent Sessions



# Saturday, October 8, 2016 (continued)

10:40 Break

## Putting It All Together

Moderators: Claudius Mahr, DO, & Nahush Mokadam, MD

11:15 Case Presentations

*Jennifer Beckman, ARNP; Elina Minami, MD; Andrea Miura, PharmD;  
Christina Redmond, ARNP; Jason Tran, MSW*

12:00 The Great Debate: Social Considerations in Advanced Heart Failure

*Jay Pal, MD; Alice Chang, LICSW; Jason Bjelkengren, RN*

12:45 Closing Remarks

1:00 Adjourn

## CALL FOR ABSTRACTS

Consider showcasing your clinical and academic work at this regional symposium. Submission of original abstracts relating to cardiovascular disease and heart failure are invited and will be considered for poster presentations during the conference.

### Abstract Categories

*Case Reports/Clinical Vignettes/Case Series*

*Clinical Research*

*Translational Research*

*Quality Improvement/Patient Safety/Outcomes Research*

*Nursing/Pharmacy/Allied Health*

Best submissions will be eligible for award.

Deadline for submission: August 29, 2016.

All abstracts must be submitted via email to [heartcme@uw.edu](mailto:heartcme@uw.edu)

## HOTEL ACCOMMODATIONS

To make reservations, please contact the hotel directly. No room block has been reserved.

### Motif Hotel

1415 Fifth Avenue

Seattle, WA 98101

Reservations: 855-515-1144

Local: 206-971-8000

[www.motifseattle.com](http://www.motifseattle.com)

3rd Annual

# Full Spectrum of Heart Failure Therapy: Reviving The Heart

October 7 –8, 2016

## REGISTRATION

First	MI	Last
Professional Title <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> PhD <input type="checkbox"/> PharmD <input type="checkbox"/> ARNP <input type="checkbox"/> RN <input type="checkbox"/> PA <input type="checkbox"/> Other:		
Street		Zip
City	State	Zip
Phone ( ) -	Email	

## PAYMENT

*\*Residency Program, if applicable*

<input type="checkbox"/> Check (payable to University of Washington) for \$		
<input type="checkbox"/> Credit Card charge \$ <input type="checkbox"/> Visa <input type="checkbox"/> MC <input type="checkbox"/> Discover		
Card #	Exp Date	
CCV #	Signature	
<input type="checkbox"/> UW Budget	Budget Name	Budget #
Box #	Proj	Opt Task

## COURSE FEES

MD/DO/PhD	\$315
Allied Health	\$255
Resident*/Fellow	\$130
After September 22, 2016, course fees will increase \$30	

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## RETURN COMPLETED REGISTRATIONS

BY MAIL:  
UWCME

Box 359441  
Seattle, WA 98195-9441

BY FAX:  
206.221.4525

CALL:  
206.543.1050

Register online at [uwcme.org](http://uwcme.org)