5-5-2018

Deconstructing the pump: hemodynamics 101

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Recommended Citation
Roberts E. Deconstructing the pump: hemodynamics 101. Presented at Milwaukee Heart Failure Symposium, May 5, 2018, Milwaukee, WI.
**Purpose**

Heart failure is the progressive stage of most cardiac illness. The only treatment for heart failure has changed dramatically and become more complex in the past 10 years. In this symposium, we will present up-to-date knowledge to help clinicians and allied health providers identify, evaluate and treat heart failure and related conditions.

**Audience**

This symposium will be of value to Cardiovascular Surgeons, Cardiologists, Internal Medicine, Hospital Medicine, Family Practice, mid-level providers, allied health professionals and subspecialty trainees. It will also be of interest to Internal Medicine, Hospital Medicine, Family Practice, mid-level providers, allied health professionals and subspecialty trainees.

**Objectives**

- All the authors and faculty participants should be able to:
  - Understand the need for primary and secondary preventive measures to reduce the incidence, prevalence and the economic burden of heart failure
  - Know the most current evidence-based diagnostic & therapeutic strategies in heart failure & pulmonary hypertension
  - Highlight innovation in the field of advanced heart failure
  - Understand prognosis and outcomes of various treatment strategies employed in managing heart failure.

**About Milwaukee**

Milwaukee is the largest city in the state of Wisconsin. Well known for its brewing traditions, Milwaukee is experiencing its largest construction boom since the 1960s. Major new additions to the city in the past two decades include the Milwaukee Bucks, Wisconsin Center, The Milwaukee Art Museum, and the Milwaukee Repertory Theater. The Wisconsin Center and the Milwaukee Riverwalk are within walking distance to the symposium.

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- Milwaukee is home to first-class entertainment and performing arts, unique museums, great restaurants and miles of bikepath, and that’s just the beginning. Come and see for yourself!

**Course Directors**

Nasir Z. Sulemanjee, MD, FCC, FHFA – Clinical Associate Adjunct Professor*, Program Director, Advanced Heart Failure Fellowship, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI

Vinay Thohan, MD, FCC, FACC – Clinical Adjunct Professor*, Director, Center of Advanced Heart Failure Therapies, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI

Frank Overmyer, MD – Surgical Director, Heart Transplantation and Mechanical Circulatory Support, Aurora Health Care, Milwaukee, WI

Keynote Speaker Barry H. Greenberg, MD, FHFA – Director, Advanced Heart Failure Treatment Program, Professor of Medicine, UC San Diego Health.

**Faculty**

- Tariq Bajwa, MD, FACC, FSCAI – Associate Head, Cardiac Vascular Disease Section, Director, Cardiac Catheterization Laboratory, Director, Interventional Fellowship Program, Rosario Champlia, ANP-BC, APN – Nurse Practitioner, Milwaukee, WI
- Omar Cheema MD, FACC – Advanced Heart Failure and Transplant Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- John Crouch, MD – Cardiothoracic Surgeon, Aurora Medical Group, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Anvir Bajwa, MD, FACC – Advanced Heart Failure and Transplant Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- T. Edward Hastings, DO, FACC – Advanced Heart Failure and Transplant Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Chad Hechler, RN, BSN - Advanced Heart Failure Coordinator, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Roopa Jain, MD, RNCP, FACC – Clinical Assistant Adjunct Professor of Medicine*, Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Eric Roberts, MD – Advanced Heart Failure & Transplant Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Aniruddha Malhotra, MD – Heart Failure Fellow, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Christine Sauld, ANP – Nurse Practitioner, Advanced Heart Failure Clinic, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Vinay Thohan, MD, FACC – Clinical Adjunct Professor of Medicine*, Director, Cardiovascular Specialty Structural Heart Disease Section, Director, Heart Transplantation and Mechanical Circulatory Support, Aurora Health Care, Milwaukee, WI
- Renuka Jain, MD – Renuka Jain, MD, FHFA – Clinical Adjunct Assistant Professor of Medicine*, Cardiologist, Aurora Medical Group, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Batul Vallika, MD – Clinical Adjunct Assistant Professor of Medicine*, Director, Cardiovascular Specialty Structural Heart Disease Section, Director, Heart Transplantation and Mechanical Circulatory Support, Aurora Health Care, Milwaukee, WI
- Paul Hussels, MD – Clinical Adjunct Professor of Medicine*, Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Janer Tahir, MD, FACC – Clinical Adjunct Professor of Medicine*, Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Mary Sulemanjee, MD, FACC, FHFSA – Clinical Adjunct Associate Professor*, Cardiologist, Aurora St. Luke’s Medical Center, Aurora Health Care, Milwaukee, WI
- Asad Ghafoor, MD – Clinical Adjunct Professor*, University of Wisconsin School of Medicine & Public Health, Milwaukee, WI

**About Wisconsin**

Wisconsin is the 30th state and the 32nd to join the Union. It was settled by the French, British, Spanish, and Native Americans. Wisconsin is known for its dairy products, cheese curds, and beer. The state’s nickname is the “Badger State” due to the number of badger holes in the soil. Wisconsin is also the home of the Green Bay Packers, Milwaukee Brewers, and the Wisconsin State University Badgers.

**About Aurora Health Care**

Aurora Health Care is a not-for-profit, community-owned health care organization located in Milwaukee, Wisconsin. It includes five hospitals, two specialty hospitals, and 250 clinics throughout Wisconsin and Illinois. Aurora Health Care is dedicated to improving the health and well-being of the communities it serves. The organization is committed to providing high-quality, compassionate care to all who seek its services. Aurora Health Care is known for its exceptional care, innovative treatments, and Above All, Aurora Health Care is committed to providing the highest quality of care possible. The organization is dedicated to making a positive impact on the health of the communities it serves.

**Post-Course Activity**

The post-course activity will be held at the InterContinental Hotel Milwaukee Downtown. The hotel is located in the heart of Milwaukee’s downtown district, offering easy access to popular attractions such as the Milwaukee Art Museum, Milwaukee Public Museum, and the Milwaukee Performing Arts Center. The hotel features a fitness center with an outdoor pool and a spa, as well as a full-service restaurant and bar.

**Course Details**

- Course Date: May 5, 2018
- Course Time: 8:00 AM – 5:00 PM
- Location: InterContinental Hotel Milwaukee Downtown
- Fee: $800 per participant

For more information or to register, please contact Laurel Landis at 608-262-5600 or Laurel.Landis@AuroraHealth.org.
**SESSION 3: Advanced Heart Failure**
Moderator: Nasir Sulemanjee, MD

1:15 p.m. Advance Heart Failure Therapies: When to Refer With? Vinay Thohan, MD
1:40 p.m. Perioperative Mechanical Assist Devices: Indications & Outcomes? Tarun Bajpai, MD
2:05 p.m. Mechanical Circulatory Support and Cardiac Transplant in 2018 Frank Downey, MD
3:30 p.m. To Pursue Advanced Heart Failure Therapy or NOT? A Case Based Discussion Ocean Holick, MD; Hooman Ashrafzadeh, MD
2:30 p.m. Panel Discussion with Moderator and Session Speakers
3:10 p.m. Break & Exhibits

**SESSION 4: Breakout Sessions (choose one)**

- **Practice Issues with Heart Failure**
  - 3:30 p.m. Heart Failure Management: Strategies to Improve Quality & Metrics Brenda Stadl, NP
  - 3:55 p.m. Advanced Heart Failure: Journey from Patient Perspective Chad Hockers, RN; Thomas Hawkins, MD
  - 4:10 p.m. Role of Palliative Care: How to discuss prognosis with patients? Rose Champagne, NP
  - 4:35 p.m. Panel Discussion with Moderator and Session Speakers

- **Surgical Aspects of patients with HF**
  - 3:30 p.m. LVAD Management: For the Primary Care Provider Owais Malick, MD & Asad Ghafoor, MD
  - 3:55 p.m. A Case Based Discussion to Pursue Advanced Heart Failure Therapy or NOT? A Case Based Discussion Frank Downey, MD & Vinay Thohan, MD
  - 4:10 p.m. Mechanical Circulatory Support and Cardiac Transplant in 2018 Frank Downey, MD

- **Advanced Heart Failure Therapy or NOT?**

**Information about the course**
Contact Laurel Lands at 414-219-7648 or email to Laurel.Lands@aurora.org with course related questions.