

Northwest Heart Failure Collaborative (NWHFC) Project ECHO Recorded Webinars

The Northwest Heart Failure Collaborative (NWHFC) Project ECHO was a bimonthly case conference series that was offered from May 2016 through February 2019. The series aimed to improve the care of patients with heart failure by offering online continuing education for multidisciplinary community providers. This unique training program built on an existing education-practice partnership between UW Medicine and the UW School of Nursing. Funding was provided by a Health Resources and Services Administration (HRSA) training grant (PI: Brenda Zierler, PhD, RN, FAAN).

The following recorded webinars are available on the NWHFC Project ECHO YouTube channel at <https://www.youtube.com/channel/UCKIFX4Z7pho0q6oIIWcAUOQ>. You may select the “Watch Video” hyperlinks to open your default web browser and view a recorded webinar. Hyperlinks of names will open their UW biography pages or professional profiles.

1. Heart Failure: Identifying the Syndrome and Burden of Disease

[Watch Video](#)

Date: May 4, 2016

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Alice Chang, MSW; Tracy Fowler, ARNP; [Todd Dardas, MD, MS](#)

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#) and [John Scott, MD, MSc](#)

Learning Objectives:

- Define factors that contribute to prevalence of heart failure.
- Identify modifiable risk factors that are most responsible for reducing prevalence of heart failure.
- Discuss the Framingham and the Cardiovascular Health Study criteria for heart failure.

2. Staging and Prognosis of Heart Failure

[Watch Video](#)

Date: May 18, 2016

Speaker: [Jennifer Beckman, MSN, ARNP, CHFNP](#)

Panelists: Alice Chang, MSW; [Claudius Mahr, DO, FACC, FESC](#); [Jennifer Beckman, MSN, ARNP, CHFNP](#)

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#); and [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe the stages of heart failure according to the ACC/AHA criteria.
- Differentiate between the stages of heart failure and the functional classes of heart failure.
- Identify patients with advanced heart failure and when to refer for advanced treatment options.

3. Diuretics and Decongestion

[Watch Video](#)

Date: June 1, 2016

Speaker: [Kevin O'Brien, MD, FAHA](#)

Panelists: Alice Chang, MSW; Greg Gipson, PharmD; [Kevin O'Brien, MD, FAHA](#); [Tracy Fowler, ARNP](#)

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#), and [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe why patients with heart failure (HF) can have large differences in central venous pressure (CVP) and pulmonary capillary wedge pressure (PCWP).
- Demonstrate a practical method for assessing jugular venous pressure (JVP) by physical exam in HF patients.
- Use an algorithm for IV diuretic escalation in patients hospitalized with acute decompensated heart failure (ADHF).

4. ACE-Inhibitors and Other Vasodilators

[Watch Video](#)

Date: June 15, 2016

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Alice Chang, MSW; Greg Gipson, PharmD; [Todd Dardas, MD, MS](#); [Carrie Boom, ARNP](#)

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#) and [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Identify an angiotensin converting enzyme-inhibitor for use in Stage B heart failure.
- Manage complications associated with ACE-inhibitor.
- Explain arguments for and against dose escalation of ACE-inhibitors.

5. Clinical Applications of Beta Blocker Therapy

[Watch Video](#)

Date: July 6, 2016

Speaker: [Claudius Mahr, DO, FACC, FESC](#)

Panelists: [Claudius Mahr, DO, FACC, FESC](#); Jason Tran, MSW; [Jennifer Beckman, MSN, ARNP, CHFNP](#); Liz Brule, PharmD, BCPS

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#) and [Todd Dardas, MD, MS](#)

Learning Objectives:

- Select an appropriate beta-blocker for use in Stage B-D heart failure.
- Provide goal-directed medical therapy for heart failure.
- Understand evidence gaps and clinical trial limitations.
- Identify clinical inflection points in the heart failure trajectory.

6. Aldosterone Receptor Inhibitors: Effective and Forgotten

[Watch Video](#)

Date: July 20, 2016

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Alice Chang, MSW; [Heidi Kresken, ARNP](#); Liz Brule, PharmD, BCPS

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Understand the effectiveness of aldosterone receptor blocking medications in stage B-D heart failure.
- Identify potential complications and adverse effects of aldosterone receptor blockade.
- Discuss how to safely start ARB.

7. Putting it Together: Pharmacology

[Watch Video](#)

Date: August 3, 2016

Speaker: [Kevin O'Brien, MD, FAHA](#)

Panelists: [Carrie Boom, ARNP](#); Greg Gipson, PharmD, BCPS; Jason Tran, MSW; [Kevin O'Brien, MD, FAHA](#); Sharon Whyte, RN

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Understand the role of sacubitril/valsartan in HF rEF based on new guideline recommendations.
- Plan dose initiation and dose titration for beta-blockers, ACE-I/ARB, spironolactone and sacubitril/valsartan.
- Address issues of polypharmacy and cost with patients.
- Identify common interactions between HF medications.

8. Internal Cardioverter Defibrillators: Issues of Over and Underutilization

[Watch Video](#)

Date: August 17, 2016

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Alice Chang, MSW; [Linda Marriott, ARNP](#); Andra Miura, PharmD

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Understand the minimum criteria for ICD implant for Secondary Prevention.
- Understand the role of symptoms in ICD implant determina.
- Be familiar with Department of Justice efforts to assure appropriateness and the role of the heart failure provider in this setting.

9. Cardiac Resynchronization Therapy: How Does it Work & for Whom?

[Watch Video](#)

Date: September 7, 2016

Speaker: [Nazem Akoum, MD, MS](#)

Panelists: Alice Chang, MSW; [Susan Pambianco, ARNP](#); Jenny Wong, PharmD; [Nazem Akoum, MD, MS](#)

Facilitator: [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Understand the role of electrical dys-synchrony in systolic heart failure
- Identify which patients are candidate for cardiac re-synchronization therapy (CRT)

10. Depression in Heart Failure (Part 1)

[Watch Video](#)

Date: September 21, 2016

Speaker: [Jean Tang, PhD, PMHNP-BC, APRN](#)

Panelists: [Todd Ray, ARNP](#); Alice Chang, MSW; [Kevin O'Brien, MD, FAHA](#)

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#) and [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Describe shared symptoms between depression and Heart Failure (HF).
- Recognize risk factors for comorbid depression and HF.
- Identify common clinical tools for assessing depression.

11. The Hidden Issues and Challenges to Managing Heart Failure Patients

[Watch Video](#)

Date: October 5, 2016

Speaker: Alice Chang, MSW

Panelists: Alice Chang, MSW; Greg Gipson, PharmD; and Heidi Kresken, ARNP

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Identify psychosocial factors related to care planning and management of heart failure patients.
- Describe SIPAT (Stanford Integrated Psychosocial Assessment for Transplantation) and the usefulness in clinical practice.
- Discuss how psychosocial interventions improve chances for adherence and successful outcome.

12. Implicit Bias in Healthcare

[Watch Video](#)

Date: October 19, 2016

Speaker: [Janice Sabin, PhD, MSW](#)

Panelists: Alice Chang, MSW; Greg Gipson, PharmD; [Janice Sabin, PhD, MSW](#); [Susan Pambianco, ARNP](#)

Facilitators: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Define implicit bias
- Recognize how implicit bias may be operating in the clinical setting.
- Apply strategies to minimize impact of implicit bias.

13. Transitions in Care: Discharging a Patient and the Medication Reconciliation Process

[Watch Video](#)

Date: November 2, 2016

Speaker: Beatrice Wong, PharmD, BCPS

Panelists: Alice Chang, MSW; [Susan Pambianco, ARNP](#); Beatrice Wong, PharmD, BCPS

Facilitators: [Brenda Zierler, PhD, RN, FAAN](#) and [Todd Dardas, MD, MS](#)

Learning Objectives:

- Identify 3 risk factors that can increase the likelihood of hospital readmission in patients with heart failure.
- Describe examples of best practice models for transitions of care and medication reconciliation, involving the interprofessional team and patient/family/caregivers.
- Discuss specific evidence-based recommendations for the discharge process in clinical practice.

14. Approach to Atrial Fibrillation in Heart Failure with Reduced Ejection Fraction

[Watch Video](#)

Date: November 16, 2016

Speaker: [Jordan Prutkin, MD, MHS](#)

Panelists: Alice Chang, MSW; [Jennifer Beckman, MSN, ARNP, CHFNP](#); [Todd Dardas, MD, MS](#); Andrea Miura, PharmD, BCPS

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Assess impact of atrial fibrillation on HFREF.
- Apply anticoagulation management.
- Identify when to use rate and rhythm management options.

15. Left Ventricular Assist Devices: When to Consider and What to Expect?

[Watch Video](#)

Date: December 7, 2016

Speaker: [Claudius Mahr, DO, FACC, FESC](#)

Panelists: Alice Chang, MSW; [Jennifer Beckman, MSN, ARNP, CHFN](#); [Claudius Mahr, DO, FACC, FESC](#); Lynda Tanagi, PharmD

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe risk stratification in advanced heart failure.
- Identify clinical features portending poor prognosis.
- Recognize indications for Ventricular Assist Device (VAD) therapy.

16. Impact of Diabetes in Heart Failure

[Watch Video](#)

Date: January 4, 2017

Speaker: [Kevin O'Brien, MD, FAHA](#)

Panelists: Alice Chang, MSW; [Jennifer Beckman, MSN, ARNP, CHFN](#); [Todd Dardas, MD, MS](#); Liz Brule, PharmD, BCPS

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Understand the relationship of diabetes and its complications to increased risk for HF.
- Understand the relationships of intensive insulin therapy in decreasing HF risk in patients with diabetes.
- Describe the relationships of other glucose-lowering approaches to HF risk in patients with diabetes.

17. Remote Pulmonary Pressure Monitoring

[Watch Video](#)

Date: January 18, 2017

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Susan Pambianco, ARNP; [Todd Dardas, MD, MS](#); Alice Chang, MSW; Liz Brule, PharmD, BCPS

Facilitator: Brenda Zierler, PhD, RN, FAAN

Learning Objectives:

- Describe the function of the CardioMems system.
- Understand the CHAMPION trial results.
- Review the cost-effectiveness of the CardioMems system.

18. Telehealth in the Home

[Watch Video](#)

Date: February 2, 2017

Speaker: George Demiris PhD, FACMI

Panelists: [Jennifer Beckman, MSN, ARNP, CHFN](#); [Todd Dardas, MD, MS](#); Alice Chang, MSW; Susan Cho, PharmD; George Demiris, PhD, FACMI

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Provide an overview of the current status and potential of tele health in supporting home based symptom management.
- Synthesize current evidence of the effectiveness of tele health in the home and explore future opportunities.
- Examine ethical, technical & clinical challenges associated with use of tele health in the home.

19. The Role of the Kidney in Heart Failure

[Watch Video](#)

Date: March 15, 2017

Speaker: [Todd Dardas, MD, MS](#)

Panelists: [Jennifer Beckman, MSN, ARNP, CHFNP](#); [Todd Dardas, MD, MS](#); Alice Chang, MSW; Greg Gipson, PharmD

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Understand different mechanisms of renal dysfunction in heart failure.
- Discuss the trade-offs between medical therapy and renal dysfunction.
- Design an approach to addressing renal dysfunction in heart failure.

20. Heart Failure Transition of Care Programs

[Watch Video](#)

Date: April 5, 2017

Speaker: Hilary Law, MN, RN, CHFNP

Panelists: Margie Concepcion, ARNP; Alice Chang, MSW; Greg Gipson, PharmD

Facilitator: Erin Blakeney, PhD, RN

Learning Objectives:

- Recognize the importance of transition of care programs.
- Identify features of transition of care programs from hospital to community.
- Apply knowledge of resources to support transition of care.

21. Preventing Heart Failure Admissions: Invasive Hemodynamic Monitoring

[Watch Video](#)

Date: April 19, 2017

Speaker: Gregory Wood, MD, MS

Panelists: Todd Ray, ARNP; [Kevin O'Brien, MD, FAHA](#); Alice Chang (MSW); Beatrice Wong, PharmD, BCPS

Facilitator: [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Review indications for CardioMEMS implantation.
- Understand basic principles for medication adjustment when managing a patient by PA pressure.
- Describe the phases of management of a CardioMEMS patient.

22. Detecting and Evaluating Cognitive Impairment in Heart Failure Patients

[Watch Video](#)

Date: May 3, 2017

Speaker: Tatiana Sadak, PhD, PMHNP, ARNP

Panelists: Mariah Martin, ARNP; Alice Chang, MSW; Liz Brule, PharmD, BCPS; [Todd Dardas, MD, MS](#)

Facilitators: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe the prevalence and patterns of cognitive impairment in heart failure patients.
- Know what instruments are used to screen for cognitive impairment.
- Access information about administering Mini-Cog™, Montreal Cognitive Assessment, and AD 8 screens.

23. Ethics of Heart Failure Management

[Watch Video](#)

Date: May 17, 2017

Speaker: James Kirkpatrick, MD, FASE, FACC

Panelists: Alice Chang, MSW; Lynda Tanagi, PharmD; [Todd Dardas, MD, MS](#); Sharon Whyte, ARNP

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Define “shared decision-making.”
- Identify 5 ethical foundations of choices in heart failure.
- Discuss important considerations in rationing and futility.

24. Diastolic Heart Failure Review & State-of-the-Art

[Watch Video](#)

Date: June 7, 2017

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Alice Chang, MSW; Heidi Kresken, ARNP; Jenny Wong, PharmD; [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

25. Intersections of Palliative Care and Advanced Heart Failure

[Watch Video](#)

Date: June 21, 2017

Speaker: James Fausto, MD

Panelists: Alice Chang, MSW; Beatrice Wong, PharmD; [Kevin O’Brien, MD, FAHA](#); [Susan Pambianco, ARNP](#)

Facilitator: [Kevin O’Brien, MD, FAHA](#)

Learning Objectives:

- Define palliative care.
- Summarize current needs for palliative care in end stage heart failure.
- Review palliative treatment options of dyspnea in end stage heart failure.

26. International Society of Heart & Lung Transplant 2017 Annual Meeting: Updates on Ventricular Assist Devices

[Watch Video](#)

Date: July 5, 2017

Speaker: Shin Lin, MD

Panelists: Alice Chang, MSW; Andrea Miura, PharmD; [Claudius Mahr, DO, FACC, FESC](#); [Jennifer Beckman, MSN, ARNP, CHFN](#)

Facilitator: [Claudius Mahr, DO, FACC, FESC](#)

Learning Objectives:

- Describe the two basic types of left ventricular assist devices (LVAD) in use.
- List agents expected to be in a VAD patient’s medical regimen.
- Describe risk factors leading to a poorer outcome for VAD patients.

27. Adherence and Medications to Avoid in Heart Failure

[Watch Video](#)

Date: September 6, 2017

Speaker: [Jennifer Beckman, MSN, ARNP, CHFNP](#)

Panelists: Alice Chang, MSW; [Jennifer Beckman, MSN, ARNP, CHFNP](#); Greg Gipson, PharmD

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Review general principles related to medication avoidance specific to the heart failure (HF) population.
- Discuss specific drug classes to avoid.
- Review goals of medication adherence.

28. Patient-Reported Outcome Measures: Implications for Engaging Patients with Advanced Heart Failure

[Watch Video](#)

Date: September 20, 2017

Speaker: Danielle Lavalley, PharmD, PhD

Panelists: Alice Chang, MSW; Andrea Miura, PharmD; [Kevin O'Brien, MD, FAHA](#); [Susan Pambianco, ARNP](#)

Facilitator: [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Define Patient-Reported Outcomes (PROs).
- Discuss efforts promoting the implementation of PROs in health care.
- Describe how PRO data supports patient engagement.
- Identify challenges and future opportunities for PRO implementation in clinical settings.

29. Heart Failure in Adult Congenital Heart Disease: Differences and Similarities Compared to Heart Failure in Acquired Heart Disease

[Watch Video](#)

Date: October 4, 2017

Speaker: Karen Stout, MD

Panelists: Alice Chang, MSW; Mariah Martin, ARNP; [Todd Dardas, MD, MS](#); and Susan Rowe, PharmD

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Review the increasing prevalence of Adult Congenital Heart Disease (ACHD) and associated long-term complications.
- Identify unique aspects of Heart Failure (HF) in ACHD and the impacts on treatment.
- Summarize the conditions for when referral to an ACHD specialty center is appropriate.

30. Increasing Participation in Cardiac Rehabilitation

[Watch Video](#)

Date: October 18, 2017

Speaker: Alexis Beatty, MD, MAS

Panelists: Alice Chang, MSW; Mariah Martin, ARNP; and [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe the core components of cardiac rehabilitation.
- Apply inclusion/exclusion criteria for referring patients to cardiac rehabilitation.
- Assess barriers/facilitators to attending cardiac rehabilitation.

31. Navigating the Heart Failure Discharge

[Watch Video](#)

Date: November 1, 2017

Speaker: [Susan Pambianco, ARNP](#)

Panelists: Alice Chang, MSW; [Jennifer Beckman, MSN, ARNP, CHFN](#); Elena Meeker, PharmD

Facilitator: N/A

Learning Objectives:

- Review the importance of safely discharging patients from the hospital.
- Describe evidence based on guidelines and recommendations for safe transitions of care.
- Identify opportunities for implementation of the guidelines into practice.

32. Substance Use Disorders

[Watch Video](#)

Date: November 15, 2017

Speaker: Ron Jackson, MSW, LICSW

Panelists: Jason Tran, MSW; [Susan Pambianco, ARNP](#); and Mina Lee, PharmD

Facilitator: N/A

Learning Objectives:

- Explain why substance use disorder (addiction) is considered a chronic medical condition with genetic, environmental, and behavioral factors.
- Review key criteria included in the formal diagnosis for substance use disorder.
- Name a resource for where to find information on substance use disorder and local treatment services.

33. Ischemia Evaluation for Patients with Reduced Systolic Function

[Watch Video](#)

Date: December 6, 2017

Speaker: [Todd Dardas, MD, MS](#)

Panelists: [Susan Pambianco, ARNP](#); [Todd Dardas, MD, MS](#); Alice Chang, MSW; Marianne Weber, PharmD

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Choose a stress study for evaluation of ischemia in persons with low ejection fraction (EF).
- Identify when to obtain a viability study in low EF.
- Determine when to revascularize CAD for low EF.

34. Echo Trends

[Watch Video](#)

Date: December 20, 2017

Speaker: James N. Kirkpatrick, MD, FASE, FACC

Panelists: [Susan Pambianco, ARNP](#); [Todd Dardas, MD, MS](#); Alice Chang, MSW

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe two reasons for using quantitative assessment of left ventricular systolic function.
- Identify 2 indications for using measures other than LVEF to assess systolic function.

35. Cardiopulmonary Exercise Testing

[Watch Video](#)

Date: January 3, 2018

Speaker: Laurie Soine, PhD, ARNP

Panelists: Alice Chang, MSW; [Susan Pambianco, ARNP](#)

Facilitator: [Susan Pambianco, ARNP](#)

Learning Objectives:

- Recognize the patient that would benefit from formal CPET.
- Describe the CPET procedure.
- Identify high risk CPET study findings.

36. Advances in Heart Transplant: Ex-Vivo Heart Perfusion

[Watch Video](#)

Date: January 17, 2018

Speaker: Jason Smith, MD, FACS

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW

Facilitator: N/A

Learning Objectives:

- Review the limitations of cold storage for preservation of heart allograft.
- Assess the potential benefits of ex-vivo perfusion of organs for transplantation.
- Interpret study data available for ex-vivo heart perfusion.
- Describe the EXPAND-Heart Trial inclusion and exclusion criteria.

37. Sleep Apnea and Cardiovascular Disorders

[Watch Video](#)

Date: February 7, 2018

Speaker: Sina Gharib, MD

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Describe the pathophysiological consequences of sleep apnea.
- Appreciate the association of sleep apnea with poor cardiovascular outcomes.
- Evaluate sleep apnea in patients with heart failure.

38. Stress in a Deer Hunter: A Takotsubo Tale

[Watch Video](#)

Date: January 21, 2018

Speaker: Gautam Nayak, MD, FACC, FACP

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; [Kevin O'Brien, MD, FAHA](#)

Facilitator: [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Describe the clinical predictors and diagnosis of stress-induced (Takotsubo) cardiomyopathy.
- Summarize the presenting clinical variables of stress-induced cardiomyopathy and how these variables affect acute management.
- Analyze the epidemiologic data guiding prognosis in stress-induced cardiomyopathy.

39. Heart Failure Fundamentals: Physiology

[Watch Video](#)

Date: March 7, 2018

Speaker: [April Stempien-Otero, MD, FACC](#)

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; [April Stempien-Otero, MD, FACC](#)

Facilitator: [Susan Pambianco, ARNP](#)

Learning Objectives:

- Discuss the role injury plays in initiating heart failure.
- Describe the effect of systemic hormonal activation on heart failure progression.
- Summarize the cellular changes that occur in a failing heart.

40. Climbing the Heart Failure Medication Ladder

[Watch Video](#)

Date: March 21, 2018

Speaker: [Todd Dardas, MD, MS](#)

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; Marianne Web, PharmD; [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Recognize the importance of adding heart failure medication in a stepwise fashion.
- Discuss the role of ARNI medication use in heart failure.
- Summarize the importance of safety checks when escalating heart failure medication.

41. A Brief History of Heart Failure: Part 1

[Watch Video](#)

Date: April 4, 2018

Speaker: Amitoj Marwaha, MD

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; Marianne Web, PharmD; [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Review some of the prior treatments for heart failure.
- Discuss the energy starved heart theory.
- Describe the implications of the energy starved heart theory on heart failure treatment.

42. Door to Support: Cardiogenic Shock Management

[Watch Video](#)

Date: April 18, 2018

Speaker: [Kevin O'Brien, MD, FAHA](#)

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; [Kevin O'Brien, MD, FAHA](#)

Facilitator: [Kevin O'Brien, MD, FAHA](#)

Learning Objectives:

- Recognize the early symptoms of cardiogenic shock.
- Discuss the importance of initiating early intervention with a mechanical device.
- Review parameters for choosing an appropriate device, assessing device effectiveness, and making the decision to wean support.

43. Integrating Sub-Specialties: Cardio-Oncology

[Watch Video](#)

Date: May 2, 2018

Speaker: [Richard K. Cheng, MD, MSc, FACC](#)

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; Amy Indorf, PharmD; [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Define the risk of cardiovascular complications in cancer survivors.
- Explain key differences between anthracycline and trastuzumab cardiotoxicity.
- Provide a framework to manage cancer-related cardiac dysfunction.

44. Improving Heart Failure Outcomes: A Specialized Science

[Watch Video](#)

Date: May 16, 2018

Speaker: Maghee Disch, MSN, RN, CNL, CHF, AACC

Panelists: Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW; [Todd Dardas, MD, MS](#)

Facilitator: [Todd Dardas, MD, MS](#)

Learning Objectives:

- Review the current state of heart failure (HF) as an increasing burden economically and its relation to process of care.
- List outcomes related to improved patient care and their relevance to process.
- Summarize clinical care pathways, assessment and treatment of HF throughout the care continuum.
- Discuss transitions of care and processes to assist in success of outpatient services.
- Summarize current barriers to providing guideline driven medical therapy and science implementation.

45. Stress Myocardial Perfusion Studies

[Watch Video](#)

Date: June 6, 2018

Speaker: Laurie A Soine PhD, ARNP

Panelists: Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW

Facilitator: [Susan Pambianco, ARNP](#)

Learning Objectives:

- Recognize the patient that would benefit from stress myocardial perfusion studies.
- Describe the stress myocardial perfusion procedure.
- Summarize the four standard findings of all stress perfusion studies.

46. Nutrition in Heart Failure: What are the real concerns?

[Watch Video](#)

Date: June 20, 2018

Speaker: Kay Kolahi RD, CD

Panelists: [Susan Pambianco, ARNP](#); Alisha Peterson (BSN)

Facilitator: [Susan Pambianco, ARNP](#)

Learning Objectives:

- Recognize the patient that would benefit from stress myocardial perfusion studies.
- Describe the stress myocardial perfusion procedure.

- Summarize the four standard findings of all stress perfusion studies.

47. Cardiovascular Outcomes with Novel Hypoglycemics

[Watch Video](#)

Date: September 5, 2018

Speaker: [Kevin O'Brien, MD, FAHA](#)

Panelists: [Susan Pambianco, ARNP](#); Alice Chang, MSW

Facilitator: [Susan Pambianco, ARNP](#)

Content Outline:

- Epidemiologic Association of Type 2 diabetes (T2DM) with Heart Failure (HF)
- Mechanisms for Diabetes-induced Cardiomyopathy
- Lack of Benefit of Intensive Insulin Therapy in HF Outcomes
- Novel Hypoglycemics and Heart Failure:
 - a. Mechanisms of Action
 - b. Clinical Trial Results
 - c. Recent Concerns

48. Public Reporting of Heart Failure Outcomes

[Watch Video](#)

Date: October 17, 2018

Speaker: [Todd Dardas, MD, MS](#)

Panelists: Megan Miller, MEd, MPH; Alice Chang, MSW

Facilitator: Megan Miller, MEd, MPH

49. The Development of Heart Failure Care Guidelines to Improve Management in Primary Care

[Watch Video](#)

Date: December 19, 2018

Speaker: Alisha Peterson, BSN, RN, CCRN

Panelists: Alice Chang, MSW, Susan Pambianco, ARNP

Facilitator: Todd Dardas, MD, MS

Learning Objectives:

- Recognize the need to improve heart failure (HF) management at the community level.
- Discuss the development of standardized HF care guidelines and workflow.
- Identify ways in which HF guidelines could be implemented or improved at your own clinical practice.