



Cleveland Clinic

Sydell and Arnold Miller Family
Heart and Vascular Institute

2nd Annual

Heart Rhythm Care in the 21st Century

Allied Professional Regional Conference



September 22 - 23, 2017

InterContinental Hotel, Cleveland, OH

Also Available via Live Streaming



Heart Rhythm Society SM

Hosted by Cleveland Clinic in Collaboration
with the Heart Rhythm Society Allied
Professionals Community of Practice

www.ccfcmc.org/heart-rhythm

Conference Description

The Sydell and Arnold Miller Family Heart & Vascular Institute is the largest cardiovascular practice in the U.S. No hospital in America sees more patients for heart and vascular conditions than Cleveland Clinic. Our caregivers have collectively seen it all and experienced it all. For the 22nd consecutive year, Cleveland Clinic's heart program has ranked as the best in the nation, earning the No. 1 ranking in U.S. News & World Report's "2016-17 Best Hospitals." What does that mean to you? It means that as a conference attendee, you'll have the ability to learn from our team of experts - skilled and experienced doctors and allied professionals.

As a leader in quality professional education, it is our pleasure to host, in collaboration with the Heart Rhythm Society Allied Professionals Community of Practice, a comprehensive review of Electrophysiology. This CME event will provide a complete overview of current trends, ideas and innovations in heart rhythm care. It is designed to provide comprehensive, quality education for allied professionals at any point along their career path.

Based on feedback from our 2016 conference attendees, we are expanding the conference to allow participation in more than one breakout session. All breakout sessions will be offered on Friday and repeated on Saturday. Breakout sessions include basic device therapy for those with less than one year of device experience, advanced device therapy, and AF and VT sessions. Also new this year is a must attend heart dissection lab offered on Friday evening. This is a hands-on experience that will allow attendees to view the anatomical structures of the heart that impact electrophysiology. Additionally, attendees will have the opportunity to ablate cardiac tissue. Our hope is that you will make this a must attend conference in 2017.

Course Directors

Ruth Madden, MPH, RN
Cleveland Clinic

Mary Hughes, PA-C
Cleveland Clinic

Stacy M. Poe, BSN, MSN, CNP
Cleveland Clinic

Kelly Melgun, BSN
Cleveland Clinic

Learning Objectives

Upon completion of this activity, the participant will be able to:

- Describe the programming, troubleshooting, and maintenance of CIEDs
- Identify inherited arrhythmia syndromes and explain optimal patient management
- Compare and contrast medications used to treat heart rhythm disorders
- Explain the heart-kidney connection and the impact on patient outcomes
- Describe indications for left atrial appendage occlusion devices
- Discuss lead management options and lead extraction guidelines
- Explain risk factor modification, anticoagulation for stroke prevention and antiarrhythmic drug treatment for AF
- Describe the role of surgical ablation for AF
- Explain indications for CRT devices including techniques to ensure optimal response
- Describe the imaging modalities utilized in treating heart rhythm disorders
- Explain the diagnosis and treatment of Syncope and POTS
- Describe new technologies used in caring for heart rhythm patients in the ambulatory setting
- Identify the anatomical structures of the heart that impact electrophysiology

Target Audience

This program is designed for allied professionals including nurses, nurse practitioners, physician assistants and technologists who care for patients with heart rhythm disorders.

Educational Methods

Didactic Lectures

Case Studies

Expert Panel Discussion

Hands-on Heart Dissection

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Conference Agenda

Friday, September 22, 2017

12:30 PM	Registration
1:00 PM	Breakout Sessions
3:00 PM	Break
3:15 PM	Breakout Sessions
4:30 PM	Heart Dissection Lab
6:00 PM	Networking Reception

Breakout: VT, Polina Engelhardt, MSN, CNP, Chair

1:00 PM	Disease Type and Associated Arrhythmia Polina Engelhardt, MSN, CNP
1:30 PM	Drug Therapies Melissa Cribbs Emani, MS, CNP
2:00 PM	Life Threatening vs Non-life Threatening Arrhythmias Speaker: Patrick Tchou, MD
2:30 PM	How to Approach Ablation Speaker: Patrick Tchou, MD
3:00 PM	Break

3:15 PM Review of Mapping Strategies

Speaker: TBD

3:45 PM Intersection of VT and Device Therapy: Secondary Prevention and ICD Programming, VT Storm

Speaker: Mohamed Kanj, MD

Breakout: AF, Charlotte Palagyi, MSN, CNP, Chair

1:00 PM Antiarrhythmic Medication vs Catheter Ablation

Christine Tanaka-Esposito, MD

1:30 PM Rationale, Techniques and End Points for Ablation

Speaker: Walid Saliba, MD

2:00 PM Special AF Ablation Considerations: Should I Refer this Patient?

Mohamed Kanj, MD

2:30 PM Role of Surgical Ablation: Primary vs Adjunct

Edward Soltesz, MD

3:00 PM Break

3:15 PM Warfarin vs NOACs

Sandra Smith, CNP

3:45 PM LAAO

Oussama Wazni, MD

Breakout: Basic Device Therapy, Scott Kruchan, BSN, RN, CCDS, Chair

1:00 PM Devices 101

Speaker: Lon Castle, MD

1:30 PM Testing of Pacemakers and ICDs with Appropriate Device Programming

Scott Kruchan, BSN, RN, CCDS

2:00 PM ICDs: Detection, Discrimination, and Defibrillation

Matthew Falkinburg, BSN, RN-BC Cardiovascular

2:30 PM Ethics of CIED Therapy

Patricia Garrett, BSN, RN

3:00 PM Break

3:15 PM Case Based Troubleshooting

Expert Device Panel: Bruce Wilkoff, MD, Lon Castle, MD, Matthew Falkinburg, BSN, RN-BC Cardiovascular, Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC , Scott Kruchan, BSN, RN, CCDS

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Breakout: Advanced Device Therapy, Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC Chair

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|---------|--|
| 1:00 PM | CRT Optimization
John Rickard, MD, MPH |
| 1:30 PM | Programming Devices to Meet Patient Needs: Rate Response and Chronotropic Incompetence
Paul Egan, MA, BSN, RN, CCDS |
| 2:00 PM | Evaluating ICD Shocks
Speaker: Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC |
| 2:30 PM | Protocols used for MRIs: Compatible and Non-compatible Devices
Cyndi Yurkschatt RT (R)(MR), MRSO (MRSC™)
Jason Rittenhouse, MED, RN |
| 3:00 PM | Break |
| 3:15 PM | Case Based Troubleshooting
Expert Device Panel: Bruce Wilkoff, MD, Lon Castle, MD, Matthew Falkinburg, BSN, RN-BC
Cardiovascular, Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC,
Scott Kruchan, BSN, RN, CCDS |

Saturday, September 23, 2017

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| 7:00 AM | Registration and Breakfast |
| 7:30 AM | Opening Remarks |
| 7:45 AM | Inherited Arrhythmias
Peter Aziz, MD |
| 8:30 AM | Lead Management and Extractions
David Martin, MD, MPH |
| 9:15 AM | Imaging in Arrhythmia Patients
Paul Cremer, MD |
| 9:45 AM | Break |

10:00 – 1:30 PM Breakout Sessions

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|---------|--|
| 1:30 PM | Break and Return to General Sessions |
| 1:45 PM | Syncope and POTS
Kenneth Mayuga, MD |
| 2:15 PM | Anticoagulation Controversies
Michael Militello, PharmD, RPh, BCPS |
| 2:45 PM | CRT Indications
Patty Garrett, BSN, RN |

3:15 PM	The Heart-Kidney Connection Jonathan Taliercio, DO
3:45 PM	New Technologies in Taking Care of EP Patients Outside of the Lab Khaloun Tarakji, MD, MPH
4:15 PM	Closing Remarks

Breakout: VT, Polina Engelhardt, MSN, CNP, Chair

10:00 AM	Disease Type and Associated Arrhythmia Polina Engelhardt, MSN, CNP
10:30 AM	Drug Therapies Melissa Cribbs Emani, MS, CNP
11:00 AM	Life Threatening vs Non-life Threatening Arrhythmias Speaker: Patrick Tchou, MD
11:30 AM	How to Approach Ablation Speaker: Patrick Tchou, MD
12:00 PM	Break & Lunch Buffet
12:30 PM	Working Lunch Review of Mapping Strategies Speaker: TBD
1:00 PM	Intersection of VT and Device Therapy: Secondary Prevention and ICD Programming, VT Storm Speaker: Mohamed Kanj, MD

Breakout: AF, Charlotte Palagyi, MSN, CNP, Chair

10:00 AM	Antiarrhythmic Medication vs Catheter Ablation Christine Tanaka-Esposito, MD
10:30 AM	LAAO Oussama Wazni, MD
11:00 AM	Rationale, Techniques and End Points for Ablation Speaker: Walid Saliba, MD
11:30 AM	Special AF Ablation Considerations: Should I Refer this Patient? Mohamed Kanj, MD
12:00 PM	Break & Lunch Buffet

Conference Agenda

12:30 PM *Working Lunch*

Role of Surgical Ablation: Primary vs Adjunct

Edward Soltesz, MD

1:00 PM **Warfarin vs NOACs**

Sandra Smith, CNP

Breakout: Basic Device Therapy Track, Chair Scott Kruchan, BSN, RN, CCDS, Chair

10:00 AM **Devices 101**

Speaker: Lon Castle, MD

10:30 AM **Testing of Pacemakers and ICDs with Appropriate Device Programming**

Speaker: Scott Kruchan, BSN, RN, CCDS

11:00 AM **ICDs: Detection, Discrimination, and Defibrillation**

Matthew Falkinburg, BSN, RN-BC Cardiovascular

11:30 AM **Ethics of CIED Therapy**

Patricia Garrett, BSN, RN

12:00 PM **Break and Lunch Buffet**

12:30 PM *Working Lunch*

Case Based Troubleshooting (60 minutes)

Expert Device Panel: Bruce Wilkoff, MD, Lon Castle, MD, Matthew Falkinburg, BSN, RN-BC

Cardiovascular, Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC

Scott Kruchan, BSN, RN, CCDS

Breakout: Advanced Device Therapy, Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC, Chair

10:00 AM **CRT Optimization**

John Rickard, MD, MPH

10:30 AM **Programming Devices to Meet Patient Needs: Rate Response and Chronotropic Incompetence**

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11:00 AM **Evaluating ICD Shocks**

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11:30 AM **Protocols used for MRIs: Compatible and Non-compatible Devices**

Cyndi Yurkschatt RT (R)(MR), MRSO (MRSC™)

Jason Rittenhouse, MEd, RN

12:00 PM **Break & Lunch Buffet**

12:30 PM *Working Lunch*

Case Based Troubleshooting (60 minutes)

Expert Device Panel: Bruce Wilkoff, MD, Lon Castle, MD, Matthew Falkinburg, BSN, RN-BC
Cardiovascular, Melanie Gura, MSN, CNS, RN, CCDS, FHRS, FAHA, AACC,
Scott Kruchan, BSN, RN CCDS

Note: Presentations and faculty subject to change

General Information

Conference Location

The InterContinental Hotel and Conference Center,
9801 Carnegie Avenue, Cleveland, OH 44106.

Hotel Reservations

A block of rooms have been reserved at the InterContinental Hotel and Conference Center, 9801 Carnegie Avenue. Guests will make individual reservations directly with Hotel Reservations no later than 5:00 PM (Eastern Time) on August 23, 2017 by calling toll free (855) 765-8709. Mention CCF Heart and Vascular Institute, to receive the special rate of \$159.00 per night, plus tax

Parking

Parking is available in the East 100th Street / Carnegie Avenue visitor's parking garage. Parking will be validated for the day of the conference only. Bring your ticket in with you. Cleveland Clinic main campus caregivers are expected to park in their assigned parking location.

Refunds

A request for a refund must be received in writing by September 15, 2017. There will be a \$25.00 cancellation service charge. Please send request to Ruth Madden at maddenr@ccf.org.

Americans with Disabilities Act

The Cleveland Clinic Foundation fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Ruth Madden at 216-444-6959 at least two weeks prior to the conference.

Accreditation

This program is not yet approved for CME credit. Conference organizers plan to request 11 AAPA Category 1 credits from the Physician Assistant Review Panel. Total number of approved credits are yet to be determined. Category 1 CME credits count toward continuing nursing education hours.

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Cleveland Clinic Faculty

Peter Aziz, MD, FHRS

Staff Physician, Director, Inherited Arrhythmia Clinic

Lon Castle, MD

Staff Physician
Electrophysiology and Pacing

Paul Cremer, MD

Staff Physician, Cardiovascular Imaging

Paul Egan, MA, BSN, RN, CCDS

Staff Nurse, Electrophysiology Device Clinic

Polina Engelhardt, MSN, CNP

Clinician, Electrophysiology and Pacing

Christine Tanaka-Esposito, MD

Staff Physician, Electrophysiology and Pacing

Patricia Garrett, BSN, RN

Team Lead, Electrophysiology Device Clinic

Mohamed Kanj, MD

Staff Physician, Associate Director,
Electrophysiology Labs

Scott Kruchan, BSN, RN, CCDS

Clinical Coordinator, Electrophysiology Device Clinic

David Martin, MD, MPH

Staff Physician, Electrophysiology and Pacing

Michael Militello, PharmD RPH, BCPS

Pharmacy Clinical Specialist Department
of Pharmacy

Charlotte Palagyi, MSN, CNP

Clinician, Electrophysiology and Pacing

Stacy M. Poe, BSN, MSN, CNP

Manager, Electrophysiology and Pacing Outpatient &
Inpatient Services

John Rickard, MD, MPH

Staff Physician, Electrophysiology and Pacing

Jason Rittenhouse, MEd, RN

Staff Nurse, Electrophysiology Device Clinic

Walid Saliba, MD

Staff Physician, Director, Electrophysiology Labs,
Co-Director, Atrial Fibrillation Stroke Prevention Center

Sandra Smith, CNP

Clinician, Cardiovascular Medicine

Edward Soltesz, MD

Cardiovascular and Heart Transplant Surgeon,
Department of Thoracic and Cardiovascular Surgery

Patrick Tchou, MD

Staff Physician, Electrophysiology and Pacing

Jonathan Taliercio, DO

Staff Physician, Nephrology and Hypertension

Khalidoun Tarakji, MD, MPH

Staff Physician, Director, Electrophysiology Clinical
Research

Cyndi Yurkschatt RT (R) (MR), MRSO (MRSC™)

Imaging Education Specialist, MRI Department

Oussama Wazni, MD

Staff Physician, Director, Electrophysiology Outpatient
Department, Co-Director, Ventricular Arrhythmia
Center and Atrial Fibrillation Stroke Prevention Center

Bruce Wilkoff, MD

Staff Physician, Director, Cardiac Pacing and
Tachyarrhythmia Devices

Guest Faculty

Melissa Cribbs Emani, MS, CNP

Electrophysiology Nurse Practitioner
The Ohio State University Wexner Medical Center

Matt Falkinburg, BSN, RN-BC Cardiovascular

Advanced Clinical Nurse
University Hospitals Cardiac Device Clinic,
Harrington Heart & Vascular Institute

**Melanie T. Gura, MSN, CNS, RN, CCDS, FHRS,
FAHA, AACB**

Director, Pacemaker & Arrhythmia Services
Summa Health System

Raymond Rizzo, BSN, RN

Electrophysiology Technical Specialist
Abbott

Brian Wisnoskey, PhD, CCDS, CEPS

Electrophysiology Technical Specialist
Abbott

Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Registration

Registration

General registration deadline is September 15, 2017.

Registration is online at www.ccfme.org/heart-rhythm.

Conference Registration Fee

(in person or live stream/webcast)

Full Conference (9/22 - 9/23)

Cleveland Clinic Employee: \$25.00 USD

HRS Member: \$75.00 USD

Non HRS Member: \$100.00 USD

Saturday only (9/23)

Cleveland Clinic Employee: \$20.00 USD

HRS Member: \$60.00 USD

Non HRS Member: \$80.00 US

To join HRS visit www.hrsonline.org

Conference Networking Reception

Friday, September 22, 6:00 pm – 7:30 pm

Wine and Cheese Reception

Cleveland Clinic Rooftop Pavilion, accessible from the J-East elevators in the Miller Family Heart and Vascular Institute



Conference fee includes conference registration, networking reception, registration materials, and meals.

If you are unable to travel to Cleveland, a live stream/webcast of the conference will be offered. Registration fees are the same as those listed above. Select the option upon registration. Log-in information will be provided to all live stream/webcast attendees two weeks prior to the conference.

For Additional Information

For further information about the conference, contact Ruth Madden at 216-444-6959.



Heart Rhythm Society

To learn more about the HRS Allied Professionals Community of Practice
www.hrsonline.org/Communities



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