WHO SHOULD ATTEND
This meeting is intended for Cardiologists, electrophysiologists, cardiothoracic surgeons, advanced practice providers (ARNP's. PA's), nurses, cardiovascular technicians and primary care physicians.

COURSE DESCRIPTION
This course is designed to provide the learner with the most up to date review of cardiac implantable electronic device lead management. Topics covered include indications for lead extraction, clinical decision making in patients with CIED infections or lead malfunction. An in-depth review of indications for lead extraction will be covered, as well as a description of available tools and technology used for lead extraction. Experts in lead management and extraction will discuss cases which illustrate the educational goals. Didactic sessions will be combined with interactive case presentations.

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

- Manage patients who experience CIED complications, including advisory or recall devices and infection.
- Recognize when to refer to a specialist.
- Describe updates in published literature, guidelines and consensus documents.
- Identify methods to prevent complications from CIEDs, to include reviewing the efficacy of lead extraction and appropriate device implantation.

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 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

COURSE FEES

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<tr>
<td>MD/DO/PhD</td>
<td>$200.00</td>
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<td>Allied Health</td>
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<td>Resident/Fellow</td>
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Walk-in registrations incur a $25 administrative fee.

The fee for this course includes catering, all instruction materials and transcript of AMA PRA Category 1 Credits™. To ensure enrollment, please complete the enclosed registration form and forward it with the appropriate tuition or register online at uwcme.org. 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 Continuing Medical Education 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.

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

For course details and registration, visit uwcme.org
UW School of Medicine | Continuing Medical Education
Email: cme@uw.edu | Phone: 206.543.1050
Course Faculty

PROGRAM FACULTY

Ulrika Birgersdotter-Green, MD, FHRS
Director, Pacemaker and ICD Services
University of California
San Diego, CA

Noel Boyle, MD, PhD, FACC
Professor of Medicine
University of California
Los Angeles, CA

Peter Belott, MD, FACC, FHRS
Cardiologist
Sharp Grossmont Hospital
San Diego, CA

Eric Buch, MD, MS, FACC
Associate Professor of Medicine
Director, Electrophysiology Lab
University of California
Los Angeles, CA

Roger Carrillo, MD, FACC
Professor of Surgery
Chief, Surgical Electrophysiology
Palmetto General Hospital
Miami, FL

Thomas Dewland, MD
Assistant Professor
Oregon Health and Science University
Portland, OR

Roger Freedman, MD
Professor of Medicine
University of Utah
Salt Lake City, UT

Charles Henrikson, MD, FACC
Professor of Medicine
Director, Electrophysiology Service
Oregon Health and Science University
Portland, OR

Kevin Koomalsingh, MD
Assistant Professor of Surgery
University of Washington
Seattle, WA

Andrew Krahn, MD, FHRS
Chief of Cardiology
University of British Columbia
Vancouver, BC

Lyle Larson, PA-C, PhD
Teaching Associate, Division of Cardiology
University of Washington
Seattle, WA

Jennifer Miller, BSci, BFA, MBA
Medical Materials and Lead Forensic Engineer
JPM, LLC
Dayton, WY

Paul Pottinger, MD, FACP, FIDSA
Professor of Medicine
University of Washington
Seattle, WA

Victor Pretorius, MBCHB, FRCSC
Professor of Clinical Surgery
Surgical Director, Heart Transplant & Mechanical Assist Program
University of California
San Diego, CA

Jordan Prutkin, MD, MHS, FACC
Associate Professor of Medicine
University of Washington
Seattle, WA

Charles Swerdlow, MD, FAHA, FHRS, FACC
Clinical Professor of Medicine
University of California
Los Angeles, CA

Bruce Wilkoff, MD, FACC
Director
Cardiac Pacing & Tachyarrhythmia Devices
Cleveland Clinic
Cleveland, OH

PROGRAM CO-DIRECTORS

Kristen Patton, MD, FACC
Professor of Medicine, Division of Cardiology
University of Washington
Seattle, WA

Jeanne Poole, MD, FACC
Professor of Medicine, Division of Cardiology
University of Washington
Seattle, WA

Ulrika Birgersdotter-Green, MD, FHRS
Director, Pacemaker and ICD Services
University of California
San Diego, CA

Noel Boyle, MD, PhD, FACC
Professor of Medicine
University of California
Los Angeles, CA

Andrew Krahn, MD, FHRS
Chief of Cardiology
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Vancouver, BC

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Teaching Associate, Division of Cardiology
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Cleveland Clinic
Cleveland, OH
7:30  Registration and Continental Breakfast

Morning Chairs: Kristen Patton, MD and Ulrika Birgersdotter-Green, MD, FHRS

7:55  Introduction and Welcome - Kristen Patton, MD

8:00  Updates from Society Consensus Documents on Lead Management and Lead Extraction - Bruce Wilkoff, MD

8:30  Lead and Device Malfunction

- Fundamental Lead Design and Failures - Jennifer Miller, BSci, BFA, MBA
- Diagnosing Lead Failure on Device Interrogation - Charles Swerdlow, MD
- Choice in the Management of a Malfunctioning Lead - Kristen Patton, MD
- Cyber Security - Fact or Fiction? - Andrew Krahn, MD

9:15  Discussion

9:30  Device Infections

- CIED Infections - What Is The True Risk? - Jordan Prutkin, MD
- Diagnosis of CIED Infection - Thomas Dewland, MD
- Microbiology of CIED Infections and Antibiotic Prevention - Paul Pottinger, MD
- Preventive Strategies to Avoid CIED Infections- Surgical Implant Techniques - Peter Belott, MD

10:15 Discussion

10:30 Break

10:45  Tools and Techniques for Safe and Effective Lead Extraction

- Laser, Mechanical Sheaths or Both- When to Use Which Technique - Eric Buch, MD
- Extracting Leads Using the Femoral Approach - Roger Freedman, MD
- Surgical Approaches or Novel Extraction Procedure Tools - Roger Carillo, MD
- Risk Assessment in Lead Extraction in the Era of the Bridge Ballon - Jamil Bashir, MD
- Tips and Tricks for Multiple Challenging Leads - Noel Boyle, MD

11:45 Discussion

12:00 Lunch (provided)

Afternoon Chairs: Jeanne Poole, MD and Noel Boyle, MD

12:45  Video Taped Cases and Discussions

- Commentators: Roger Carillo, MD; Bruce Wilkoff, MD; Roger Freedman, MD; Kevin Koomalsingh, MD

1:45  How to Build a Successful Lead Extraction Program

- Team Approach to Extraction: Who, When, and How - Ulrika Birgersdotter-Green, MD, FHRS
- Management of the Lead Extraction Complication - Victor Pretorius, MD
- Management of the Post-Extraction Patient - Charles Henrikson, MD
- Perspectives from the Advanced Practice Provider - Lyle Larson, PAC, PhD

2:30 Discussion
Conference Schedule (continued)

2:45  Novel Device Use and Removal  
    Leadless Pacemakers- Indications, Success, Complications, Removal - Thomas Dewland, MD  
    Subcutaneous ICD- Indications, Success, Complications, Removal - Bruce Wilkoff, MD  
    His Bundle Pacing- Alternative to LV Pacing, Failed LV Lead Placement? - Roger Freedman, MD

3:15  Discussion

3:30  Break

3:45  Case Studies and Discussion  
    Commentators: Andrew Krahn, MD and Charles Swerdlow, MD; Victor Pretorius, MD  
    Tough Decision - Extract or Not Extract? - Eric Buch, MD  
    Tough Extraction - How did I Troubleshoot Intraoperatively? - Charles Henrikson, MD  
    My Most Difficult Case - Peter Belott, MD

5:00  Reception

HOTEL ACCOMMODATIONS
The following hotels are located near the conference site. To make reservations, please call the hotels directly. No room block has been reserved.

Residence Inn by Marriott  
800 Fairview Ave N  
Seattle, WA 98109  
206.624.6000

Staybridge Suites Seattle  
1119 Mercer Street  
Seattle, WA 98109  
206.596.2301
6th Annual Lead Management Symposium
December 7, 2019

Register online at uwcme.org