

UW Medicine

UW SCHOOL
OF MEDICINE

6th Annual

LEAD MANAGEMENT UPDATE
SYMPOSIUM



Saturday

December 7, 2019

Orin Smith Auditorium

UW Medicine, South Lake Union

850 Republican Street | Seattle, WA 98109

Sponsored by UW School of Medicine
Department of Medicine, Division of Cardiology
Office of Continuing Medical Education

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	
MD/DO/PhD	\$200.00
Allied Health	\$150.00
<i>Walk-in registrations incur a \$25 administrative fee</i>	

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 CO-DIRECTORS

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

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

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

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

PROGRAM FACULTY

Jamil Bashir, MD
Clinical Associate Professor
University of British Columbia
Vancouver, BC

Andrew Krahn, MD, FHRS
Chief of Cardiology
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Peter Belott, MD, FACC, FHRS
Cardiologist
Sharp Grossmont Hospital
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Lyle Larson, PAC, PhD
Teaching Associate, Division of Cardiology
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Eric Buch, MD, MS
Associate Professor of Medicine
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Jennifer Miller, BSci, BFA, MBA
Minneapolis, MN

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

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

Victor Pretorius, MD
Associate Clinical Professor of Surgery
Surgical Director of Heart Transplant
Director, Mechanical Circulatory Support
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San Diego, CA

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

Jordan Prutkin, MD, MHS
Associate Professor of Medicine
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Roger Freedman, MD
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Charles Swerdlow, MD, FAHA, FHRS
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Charles Henrikson, MD
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Oregon Health Sciences University
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Bruce Wilkoff, MD
Director
Cardiac Pacing & Tachyarrhythmia Devices
Cleveland Clinic
Cleveland, OH

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

Conference Schedule

7:30 Registration and Continental Breakfast

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

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

How are leads made and how do they fail? *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*

Use of Additional or Novel Extraction Procedure Tools- *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 Lead Extraction- *Ulrika Birgersdotter-Green, MD*

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, PA-C, 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

Touch Decision to Extract or No. How Do I Decide?- *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

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Register online at **uwcm.e.org**