

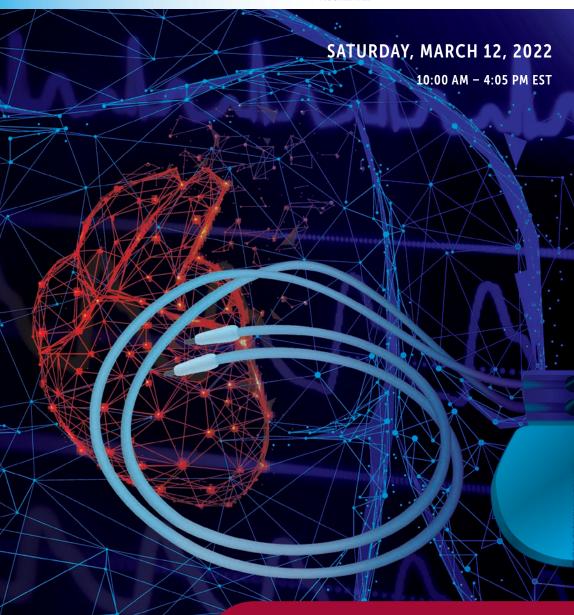
LIVE VIRTUAL

2ND ANNUAL

TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

CME-ACCREDITED CONFERENCE





PROGRAM OVERVIEW & TARGET AUDIENCE

The 2nd Annual Technical Aspects of Lead Extraction Symposium and Management Symposium is designed to provide the audience with a thorough overview of the most up-to-date practices and emerging concepts within the cardiac implantable electronic device extraction and management community. Topics covered include procedural indications, strategies for infected and non-infected scenarios, a thorough review of the available tools and techniques, and consideration for the future lead extraction and management landscape. Experts in lead extraction will give didactic presentations and review case presentations illustrative of best practices and clinical scenarios with unique challenges.

This course is designed for cardiologists, electrophysiologists, cardiothoracic surgeons, fellows-in-training, advanced practice providers, nurses, and electrophysiology technicians.

LEARNING OBJECTIVES

Upon completion of this activity, physicians and health care providers will be able to:

- Manage patients with functional, redundant, and advisory leads.
- Explain when to consider lead extraction or refer to a specialist.
- Utilize multiple different tools and techniques intraoperatively to increase efficacy.
- Utilize strategies to prevent extraction-related complications.
- Manage patients pre- and post-extraction.

HOSTING DEPARTMENT

The 2nd Annual Technical Aspects of Lead Extraction Symposium is hosted by the Department of Medicine, Division of Cardiovascular Medicine, Electrophysiology Section at Penn Medicine.

ACCREDITATION



In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



DESIGNATION OF CREDIT

Physicians: Penn Medicine designates this live activity for a maximum of 5.75 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



ABIM MOC: Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 5.75 MOC points in the American Board of Internal Medicine's (ABIM)

Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Physician Assistants: Penn Medicine has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 5.75 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Certificates and Transcripts: After the conference has concluded, all participants will receive a follow-up email with instructions and a link with instructions on how to claim their credit. Once participants submit the request for credit, the earned credits will be available for viewing on your transcript or available for printing at https://upenn.cloud-cme.com. Please note that the individual certificate will not be mailed.

REGISTRATION FEES

There is no registration fee to attend the 2nd Annual Technical Aspects of Lead Extraction Symposium, however pre-registration is required.

Registration includes live stream access to the conference and access to view the presentations (slides and videos) online. All pre-registered attendees will receive a link and instructions to sign-in and join the virtual conference by Friday, March 11, 2022. BE SURE TO CHECK YOUR SPAM BOX FOR EMAILS REGARDING THIS CONFERENCE.

How to Register Online: If you do not already have a UPenn Cloud CME profile, you will need to create one by visiting: https://upenn.cloud-cme.com and clicking 'Sign-in" and sign-in using your email address and then selecting the "Don't have an account?" option. Please be sure you do not already have an existing UPenn Cloud CME account before creating a new profile. All Penn Medicine employees, faculty and staff must sign-in using your UPenn ID.

Please note: mailed registrations can take up to 5-10 business days before they are received. We are experiencing longer delays receiving mail due to the COVID-19 pandemic. We encourage all attendees to register online.

All registrations will be confirmed by email as long as your registration is received no later than March 11, 2022.

CANCELLATION POLICY

The University reserves the right to cancel or postpone any course due to unforeseen circumstances.



Associate Professor of Clinical Medicine Director, Cardiac Lead Extraction Program Director, Cardiac Device Program Department of Cardiovascular Medicine Division of Electrophysiology Hospital of the University of Pennsylvania Philadelphia, PA

ASSOCIATE PROGRAM DIRECTORS

Joshua M. Cooper, MD, FACC, FHRS

Professor of Medicine Director, Cardiac Electrophysiology Lewis Katz School of Medicine at Temple University Philadelphia, PA

FACULTY

John A. Andriulli, DO, FACC

Associate Professor of Medicine Director, Arrhythmia Device Program Cooper University Healthcare Camden, NJ

Jeffrey Arkles, MD

Assistant Professor of Medicine Department of Cardiovascular Medicine Division of Electrophysiology Hospital of the University of Pennsylvania Philadelphia, PA

Jamil G. Bashir, BMSc, MD, FRCSC

Clinical Professor Division Head, Cardiac Surgery Director, Undergraduate Education Surgical Director, Laser Lead Extraction and Devices St. Paul's Hospital Vancouver, BC

Edmond Cronin, MBBCh BAO, CCDS, FHRS

Associate Professor of Medicine Lewis Katz School of Medicine at Temple University Philadelphia, PA

Ryan T. Cunnane, MD

Clinical Assistant Professor University of Michigan Health Ann Arbor, MI

Mouhannad Sadek, MD

Staff Electrophysiologist University of Ottawa Heart Institute and The Ottawa Hospital Ottawa, Ontario, Canada

Roger A. Freedman, MD

Professor of Medicine University of Utah Health Salt Lake City, UT

Ulrika Birgersdotter-Green, MD

Professor of Medicine Director, Pacemaker and ICD Services UC San Diego Health La Jolla, CA

Rachel Harrison, MD

Baptist Medical Group Memphis,TN

Mark L. Lessne, MD, FSIR

Vascular & Interventional Specialists
Charlotte Radiology
Adjunct Assistant Professor of Radiology
and Radiological Sciences
Johns Hopkins Medical Institute
Charlotte. NC

Joshua Liez, MD

Clinical Assistant Professor of Medicine Hospital of the University of Pennsylvania Philadelphia, PA

Charles J. Love, MD

Professor of Medicine Director, Cardiac Rhythm Device Services Johns Hopkins Medicine Baltimore, MD



Jonathan Piccini, MD

Associate Professor of Medicine Associate Professor in Population Health Sciences Duke University School of Medicine Durham, NC

Saumya Sharma, MD

Assistant Professor of Cardiac Electrophysiology McGovern Medical School at UT Health Director of Clinical Research Complex Arrhythmia Center Memorial Hermann Hospital-Texas Medical Center Houston. TX

Jayaprakash Shenthar, MBBS, DM

Interventional Cardiologist Fortis Hospital Gurgaon, India

Bruce Wilkoff, MD

Professor of Medicine
Director of Cardiac Pacing and
Tachyarrhythmia Devices
Cleveland Clinic Lerner College of Medicine at
Case Western Reserve University
Cleveland, OH

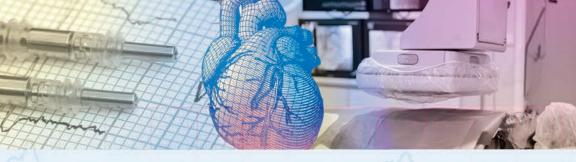
Isaac R. Whitman, MD

Assistant Professor of Medicine Division of Cardiology Section of Cardiac Electrophysiology Lewis Katz School of Medicine at Temple University Hospital Philadelphia, PA

DISCLOSURES

Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the ACCME Standards for Integrity and Independence in Accredited Continuing Education. Faculty disclosure information will be made available in the conference materials and syllabus. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

NONDISCRIMINATION STATEMENT The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia, PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). www.upenn.edu/affirm-action.



2ND ANNUAL TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

AGENDA | SATURDAY, MARCH 12, 2022

9:45 AM – 10:00 AM Sign into Virtual Platform

10:00 AM - 10:05 AM Introduction and Welcome

Robert Schaller, DO, FHRS

SESSION I TOOLS AND STRATEGIES

Moderator: John Andriulli, DO, FACC

10:05 AM - 10:20 AM How to Extract Leads from a Femoral Approach: When and How?

Roger Freedman, MD

10:20 AM - 10:35 AM How to Best Use Manual Rotational Sheaths

Saumya Sharma, MD

10:35 AM - 10:50 AM Building a Lead Extraction Program: The Indian Experience

Jay Prakash Shenthar, MBBS, DM

10:50 AM - 11:05 AM Panel Discussion with Q&A

11:05 AM - 11:10 AM Break

SESSION II EMERGING CONCEPTS

Moderator: Jeffrey Arkles, MD

11:10 AM - 11:25 AM Crossing Venous Occlusions: Lessons from an Interventional Radiologist

Mark Lessne, MD

11:25 AM - 11:40 AM Mechanical Aspiration Prior to and Post-Lead Extraction

Robert Schaller, DO

11:40 AM – 11:55 PM Cyrus and Janet Ansary Lecture Series:

Future Concepts in Lead Extraction

Charles Love, MD

11:55 AM - 12:10 PM Panel Discussion with Q&A

12:10 PM - 12:40 PM Lunch Break

SESSION III SPECIAL SCENARIOS

Moderator: Josh Liez, MD

12:40 PM - 12:55 PM Lead Extraction in Unique Scenarios

Bruce Wilkoff, MD

12:55 PM - 1:10 PM Lead Extraction in Patients with LVADs

Jonathan Piccini, MD

1:10 PM - 1:25 PM How to Salvage an Infected Pocket:

Advanced Techniques from a CT Surgeon

Rachel Harrison, MD

1:25 PM - 1:40 PM Panel Discussion with Q&A

1:40 pm - 1:45 pm Break



2ND ANNUAL TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

SESSION IV PRE-RECORDED CASES

Roundtable Panel: Ulrika Birgersdotter-Green, MD, Joshua Cooper, MD, Ryan Cunnane, MD, Mohannad Sadek, MD and Robert Schaller, DO

Ulrika Birgersdotter-Green, MD

2:05 PM - 2:25 PM Case #2

Ryan Cunnane, MD

2:25 PM - 2:45 PM Case #3

Joshua Cooper, MD

2:45 PM - 2:55 PM **Pane**

Panel Discussion with Q&A

2:55 PM - 3:00 PM Break

SESSION V PRACTICAL ASPECTS

Moderator: Isaac Whitman, MD

3:00 PM - 3:15 PM Lead Failure: How to Assess, When to Worry

Edmond Cronin, MBBCh BAO, CCDS, FHRS

3:15 PM - 3:30 PM Imaging During Lead Extraction

Mouhannad Sadek, MD

3:30 PM - 3:45 PM Surgical Extraction and Rescue: Best Practices

Jamil G. Bashir, BMSc, MD, FRCSC

3:45 PM - 4:00 PM Panel Discussion with Q&A

4:00 PM - 4:05 PM **Final Remarks**

Robert Schaller, DO

4:05 PM Adjourn



LIVE VIRTUAL

REGISTRATION FORM

2ND ANNUAL

TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

SATURDAY, MARCH 12, 2022

10:00 AM - 4:05 PM EST

We strongly encourage you to register for this conference online at

https://upenn.cloud-cme.com/LeadExtraction2022

Questions? Contact us at:

penncme@pennmedicine.upenn.edu • Phone: 215-898-6400 or 215-898-8005

Please note we are unable to accept faxed registration forms.

Please print or type

Name (First)		(Last)	
Academic Degree			
Medical Specialty			
Affiliation (Hospital, O	ffice, or Company)		
Address (Affiliation	or 🗆 Home)		
City	State	Zip	
S.1.5	State	Σ.ΙΡ	
Phone		Fax	
E-mail			

REGISTRATION

There is no fee to register for this conference, however pre-registration is required in order to receive the link to join, as well as claim CME credit once the activity concludes.

Please register online at https://upenn.cloud-cme.com/LeadExtraction2022.