

**LIVE VIRTUAL**

**2ND ANNUAL**

# TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

**CME-ACCREDITED CONFERENCE**



**SATURDAY, MARCH 12, 2022**

**10:00 AM – 4:05 PM EST**

# 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

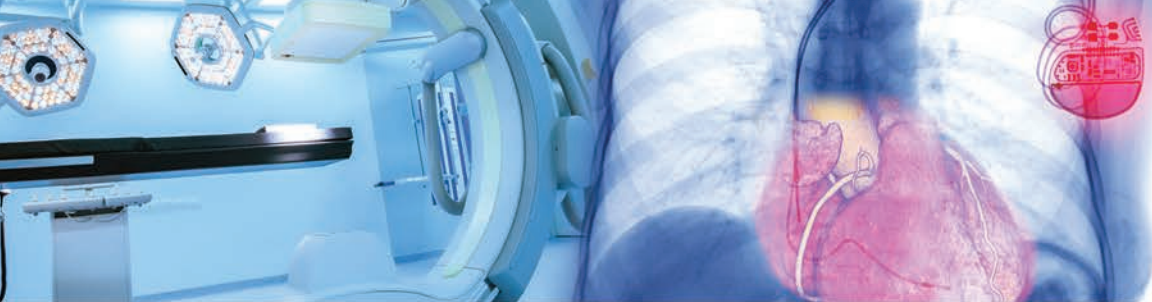
The *2nd Annual Technical Aspects of Lead Extraction Symposium* is hosted by the Department of Medicine, Division of Cardiovascular Medicine, Electrophysiology Section at Penn Medicine.

## ACCREDITATION



JOINTLY ACCREDITED PROVIDER®  
INTERPROFESSIONAL CONTINUING EDUCATION

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.

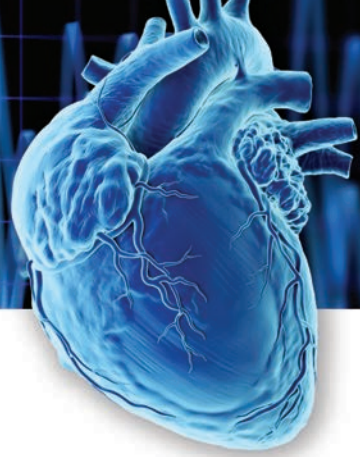
All registrations will be confirmed by email as long as your registration is received no later than March 11, 2022.

## CANCELLATION POLICY

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



# FACULTY



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Texas Medical Center  
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**Isaac R. Whitman, MD**

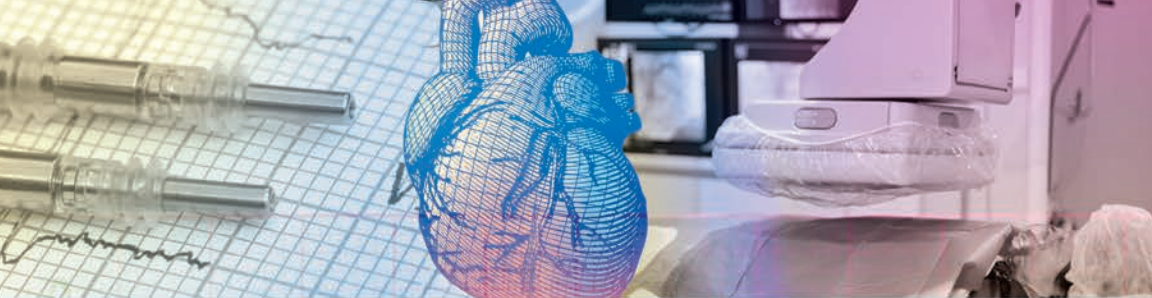
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**DISCLOSURES**

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.

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## 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*

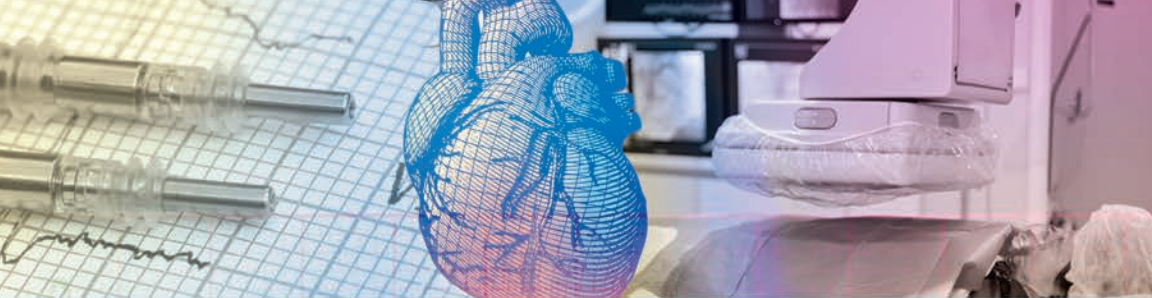
1:10 PM – 1:25 PM **How to Salvage an Infected Pocket:  
Advanced Techniques from a CT Surgeon**

*Rachel Harrison, MD*

1:25 PM – 1:40 PM **Panel Discussion with Q&A**

1:40 PM – 1:45 PM Break





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### SESSION IV PRE-RECORDED CASES

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

- 1:45 PM – 2:05 PM **Case #1**  
*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 **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



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**Questions? Contact us at:**

[penncme@penmedicine.upenn.edu](mailto:penncme@penmedicine.upenn.edu) • Phone: 215-898-6400 or 215-898-8005

Please note we are unable to accept faxed registration forms.

Please print or type

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Name (First)

(Last)

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Academic Degree

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Medical Specialty

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Affiliation (Hospital, Office, or Company)

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Address (  Affiliation or  Home)

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City

State

Zip

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Phone

Fax

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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>**.