

## LIVE VIRTUAL

#### **1ST ANNUAL**

# TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

**CME-ACCREDITED CONFERENCE** 



# PROGRAM OVERVIEW & TARGET AUDIENCE

The 1st Annual Technical Aspects of Lead Extraction 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 of the lead extraction 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.
- Recognize 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 1st 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.

**Physician Assistants:** AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 5.75 Category 1 credits for completing this activity.

**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 <a href="https://upenn.cloud-cme.com">https://upenn.cloud-cme.com</a>. Please note that the individual certificate will not be mailed.

#### **REGISTRATION FEES**

There is no registration fee to attend the 1st 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) online. All pre-registered attendees will receive a link and instructions to sign-in and join the virtual conference by Thursday, April 8, 2021. 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 with a credit card.

All registrations will be confirmed by email as long as your registration is received no later than April 9, 2021.

#### **DISCLOSURES**

Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the *ACCME Standards for Commercial Support*. 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.

#### **CANCELLATION POLICY**

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



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#### **ASSOCIATE PROGRAM DIRECTORS**

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#### 1ST ANNUAL TECHNICAL ASPECTS OF LEAD EXTRACTION SYMPOSIUM

#### AGENDA | SATURDAY, APRIL 10, 2021

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

Robert Schaller, DO

#### **SESSION I TOOLS AND STRATEGIES**

Moderator: Joshua Cooper, MD

10:05 AM - 10:20 AM The Right Tool for the Job: Laser, Rotational, Manual

Gareth Wynn, MBChB, MD(Res), MRCP, FRACP

10:20 AM - 10:35 AM When to use a Femoral or Jugular Site

Maria Grazia Bongiorni, MD

10:35 AM - 10:50 AM Extraction in Non-Traditional Scenarios

Laurence M. Epstein, MD

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

11:05 AM - 11:10 AM Break

#### SESSION II AVOIDANCE OF COMPLICATIONS AND EMERGING CONCEPTS

Moderators: Steven Kutalek, MD and Isaac Whitman, MD

11:10 AM – 11:25 AM Tools and Techniques to Avoid Injuries to the

Vasculature, Tricuspid Valve, and Myocardium

Robert Schaller, DO

11:25 AM - 11:40 AM Crossing Venous Occlusions: When and How?

Seth Worley, MD

11:40 AM – 11:55 AM Thrombus and Vegetation Aspiration: When, Why, How?

Christopher Ellis, MD

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

12:10 PM - 12:30 PM Lunch Break

#### **SESSION III LEAD EXTRACTION IMAGING**

Moderator: Pierce J. Vatterott, MD

12:30 PM - 12:45 PM How to Use CT Prior to Lead Extraction

Jonathan Piccini, MD

12:45 PM - 1:00 PM How to Use TEE During Lead Extraction

Ryan Aleong, MD

1:00 PM - 1:15 PM How to Use ICE Prior to and During Lead Extraction

Mouhannad Sadek, MD

1:15 PM - 1:30 PM How to Use IVUS During Lead Extraction

Hemal Nayak, MD

1:30 PM - 1:45 PM Panel Discussion with Q&A

1:45 PM - 1:50 PM Break



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#### SESSION IV PRE-RECORDED CASES

Roundtable Panel: John Andriulli, MD, Thomas Callahan, MD, Roger Carrillo, MD, Jude Clancy, MD, Robert Schaller, DO

1:50 PM - 2:10 PM My Biggest Lead Extraction Nightmare

John Andriulli, DO

2:10 PM - 2:30 PM My Most Memorable Case

Thomas Callahan, MD

2:30 PM - 2:50 PM Case I'm Most Proud of

Jude Clancy, MD

2:50 PM - 3:00 PM Panel Discussion with Q&A

#### **SESSION V SPECIAL SCENARIOS**

Moderators: Mouhannad Sadek, MD and Jeffrey Arkles, MD

3:00 PM - 3:15 PM Extraction of Leads Involving the Conduction System

and Within the Coronary Venous System

Edmond Cronin, MD

3:15 PM - 3:30 PM Extraction of Leadless Pacemakers and ICDs

Mikhael El-Chami, MD

3:30 PM - 3:45 PM Extraction in Children and Patients with Adult Congenital Heart Disease

Maully Shah, MBBS

3:45 PM - 4:00 PM Snaring of Lead Fragments

Blandine Mondésert, MD

4:00 PM - 4:15 PM Panel Discussion with Q&A

4:15 PM - 4:20 PM **Final Remarks** 

Robert Schaller, DO

4:20 PM Adjourn



#### **REGISTRATION FORM**

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#### SATURDAY, APRIL 10, 2021

10:00 AM - 4:30 PM EST

We strongly encourage you to register for this conference online at

https://upenn.cloud-cme.com/LeadExtraction2021

#### **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)	
ivarrie (First)		(LdSt)	
Academic Degree			
Medical Specialty			
Affiliation (Hospital, C	Office, or Company)		
Address (  Affiliation	or 🗌 Home)		
City	State	Zip	
Phone		Fax	
E-mail			

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