

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 TBD AMA PRA Category 1 $Credits^{TM}$. 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*^{TM} from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of TBD 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 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 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.



Assistant Professor of Clinical Medicine Director, Cardiac Lead Extraction 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

Mouhannad Sadek, MD

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

FACULTY

Ryan G. Aleong, MD

Associate Professor of Medicine University of Colorado Aurora, CO

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

Maria Grazia Bongiorni, MD

Director of Cardiology Cardiac Thoracic and Vascular Department University Hospital of Pisa, Italy

Thomas Callahan, MD

Clinical Assistant Professor of Medicine Cleveland Clinic Lerner College of Medicine of Case Western Reserve University Director of Inpatient Services – Cardiac Pacing and Electrophysiology Cleveland Clinic Foundation Cleveland, OH

Roger Carrillo, MD

Cardiothoracic Surgery Palmetto General Hospital Hialeah, FL

Jude Clancy, MD

Associate Professor Term Director, Lead Management Program Yale School of Medicine New Haven, CT

Edmond Cronin, MB BCh BAO, CCDS, FHRS

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

Mikhael El-Chami, MD

Professor of Medicine Emory University School of Medicine Medical Director, Cardiac Electrophysiology Emory University Hospital Midtown Atlanta, GA

Christopher R. Ellis, MD, FACC, FHRS

Associate Professor of Medicine Director LAA Closure Program Vanderbilt Heart and Vascular Institute Nashville, TN

Laurence M. Epstein, MD

Professor, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell System Director Electrophysiology Northwell Health Manhasset. NY

Steven P. Kutalek, MD

Professor Emeritus of Medicine Drexel University College of Medicine Philadelphia, PA



Blandine Mondésert, MD

Associate professor Université de Montréal Cardiac electrophysiology service Adult Congenital Heart Disease Center Montreal Heart Institute Montréal, Quebec, Canada

Hemal Nayak, MD

Associate Professor of Medicine Director, Cardiac Electrophysiology Fellowship Director, Lead Management Program UChicago Medicine Chicago, IL

Jonathan Piccini, MD

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

Maully Shah, MBBS, FACC, FHRS, CCDS, CEPS

Professor of Pediatrics Children's Hospital of Philadelphia Philadelphia, PA

Pierce J. Vatterott, MD

Allina Health St. Paul. MN

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

Seth J. Worley, MD

Senior Consultant, Cardiac Electrophysiology MedStar Health Washington, DC

Gareth Wynn, MBBS

Consultant Cardiologist Cardiac Electrophysiologist Melbourne Heart Rhythm Parkville, VIC, Australia

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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, MBBS

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			

REGISTRATION

There is no fee to register for this conference, however pre-registration is required.

Please register online at https://upenn.cloud-cme.com/LeadExtraction2021.