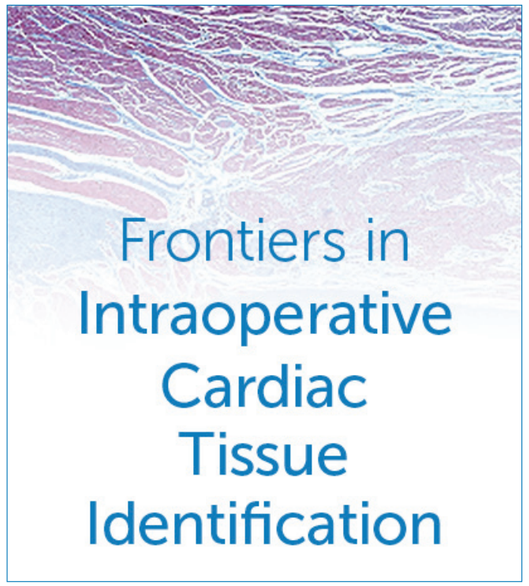


Frontiers in Intraoperative Cardiac Tissue Identification

Friday, May 13, 2022

Hybrid – Virtual and in person at Folkman Auditorium at Boston Children's Hospital

7 a.m. – 5:30 p.m.

bostonchildrens.cloud-cme.com/cardiacfrontiers

Overview

Join us, Friday, May 13, 2022 for the ***Frontiers in Intraoperative Cardiac Tissue Identification*** virtual conference. Presented by experts in the fields of pediatric heart surgery, electrophysiology, cardiac anatomy, and imaging technologies. The course will focus on emerging technologies for real-time tissue identification in the human heart, their clinical translation for applications in pediatric cardiac surgery, and evaluation in clinical studies.

The conference will provide an overview of intraoperative instrumentation and technologies enabling research on congenital heart disease. In addition, the conference will review and discuss the historical and contemporary approaches for intraoperative discrimination of cardiac tissues during these operations.

Course Format

The *Frontiers in Intraoperative Cardiac Tissue Identification* course will be fully digital and presented via Zoom. The dynamic learning format of the course has been optimized for the virtual classroom and will include lectures, poster presentations, and interactive panels.

Target Audience

Specialties - Cardiac Surgery, Cardiology, Imaging, Pathology

Professions - Nurse, Nurse Practitioner, Physician, Physician Assistant, Research Fellow, Student

Abstract Submission: Deadline Extended to 8/30/21

We invite poster presentations, which will be discussed in dedicated interactive sessions. The abstract should have a length of up to 1 page. The text should include a title, author names, and affiliations followed by paragraphs for introduction, methods, results and discussion. The abstract deadline is has been extended to **August 30, 2021**. Please submit your abstracts via email to *FICTI@childrens.harvard.edu*.

Important Dates:

- **August 30, 2021:** Abstract submission deadline
- **September 3, 2021:** Notification of the authors
- **September 6, 2021:** Final program

Boston Children's Hospital
Where the world comes for answers

HARVARD MEDICAL SCHOOL TEACHING HOSPITAL

Objectives

Upon completion of this course, participants will be better able to:

- Identify and describe anatomical and histological features associated with cardiac conduction tissue in regular and congenitally deformed hearts.
- Summarize the current state of intraoperative cardiac tissue identification and the gaps in congenital heart surgery.
- Recognize the use of current clinical techniques for intraoperative nodal tissue identification.
- Recognize the challenges associated with integration of new imaging technologies to the operating room.
- Recognize the use of fiberoptic confocal microscopy for intraoperative nodal tissue identification.

Registration Fee

- **$250** **Professionals with CE Credits**
- **$75** **Professionals (No CE Credits)**
- **$25** **Students/Trainee**

JOINTLY ACCREDITED PROVIDER™ INTERPROFESSIONAL CONTINUING EDUCATION

Pre-registration is required. Please register using an email that you check frequently, as this will be used to communicate important conference information. Once registered, users can expect to receive virtual access information a few days prior to the start of the course.

If you need assistance with registration, please email: *cmedepartment@childrens.harvard.edu*.

Accreditation

In support of improving patient care, Boston Children's Hospital 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.

Physician

Boston Children's Hospital designates this live activity for a maximum of 6.00 *AMA PRA Category 1 Credits*™. Physicians should claim only credit commensurate with the extent of their participation in this activity.

Nurse

Boston Children's Hospital designates this activity for 6.00 contact hours for nurses. Nurses should only claim credit commensurate with the extent of their participation in the activity.

Physician Assistants

Boston Children's Hospital has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credits for activities planned in accordance with AAPA CME Criteria. This activity is designated for 6.00 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

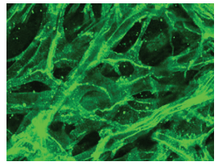
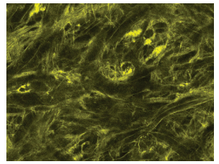
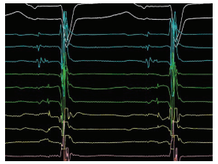
Conference Chairs

- **Dr. Aditya Kaza, MD**, Director, Neonatal Cardiac Surgery Program, Associate in Cardiac Surgery at Boston Children's Hospital (BCH), and Associate Professor of Surgery at Harvard Medical School (HMS)
- **Dr. Robert Hitchcock, PhD**, Professor of Biomedical Engineering, University of Utah
- **Dr. Frank Sachse, PhD**, Faculty Investigator at the Nora Eccles Harrison Cardiovascular Research and Training Institute, and Associate Professor of Biomedical Engineering, University of Utah

Organizing Committee Members

- **Dr. Sarah Yukiko Asaki, MD**, FAAP, Assistant Professor of Pediatrics, University of Utah
- **Dr. Shelley Miyamoto, MD**, Professor in Pediatrics and Cardiology, University of Colorado
- **Dr. Meena Nathan, MD, MPH, FRCS**, Cardiac Surgery, Assistant Professor of Surgery, HMS/BCH
- **Dr. Mossab Saeed, MD**, Cardiac Surgery Research, Instructor of Surgery, HMS/BCH

Register | bostonchildrens.cloud-cme.com/cardiacfrontiers

Schedule

7–8 a.m.	**Registration**
8–9:15 a.m.	**Session 1** **Opening Remarks** Pedro Del Nido, MD **Anatomical and Histological Analysis of Congenitally Deformed Hearts** Stephen Sanders, MD **Tissue Identification and Endomyocardial Biopsy in Pediatric Heart Transplants** Shelley Miyamoto, MD
9:15–9:30 a.m.	**Break**
9:30–10:45 a.m.	**Session 2 Poster Sessions with Guided Presentations**
10:45–11 a.m.	**Break**
11 a.m.–12:15 p.m.	**Session 3** **Intraoperative Challenges for Localizing Conduction Tissue in Complex Congenital Heart Disease** Aditya Kaza, MD **Experience with Electrocardiogram Based Conduction System Mapping During Congenital Heart Surgery** Elizabeth DeWitt, MD **Impact of Confocal Microscopy Use in Congenital Heart Surgery** Abhijit Mondal, PhD
12:15–1 p.m.	**Lunch Break**
1–2:15 p.m.	**Session 4** **Poster Sessions with Guided Presentations**
2:15–2:30 p.m.	**Break**
2:30–3:45 p.m.	**Session 5** **Integration of Imaging Technology into the Operating Room** Robert Hitchcock, PhD **Emerging Approaches for Intraoperative Cardiac Imaging** Frank B. Sachse, PhD **Optical Coherence Tomography for Intracardiac Imaging** Benjamin Vakoc, PhD
3:45–4 p.m.	**Break**
4–5:30 p.m.	**Session 6** **Panel**

Disclosure Policy

Boston Children's Hospital adheres to all ACCME Essential Areas, Standards, and Policies. It is Boston Children's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that Boston Children's may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.