

UW Medicine

UW SCHOOL
OF MEDICINE



Washington
CHAPTER



Heart Rhythm SocietySM
SYNCHRONY PROGRAM

2nd Annual
**Seattle Sudden Cardiac
Death Symposium**
Saturday, February 1, 2025

Sponsored by UW School of Medicine
Division of Cardiology
Office of Continuing Medical Education

Orin Smith Auditorium
850 Republican Street
Seattle, WA 98109

TARGET AUDIENCE

This course is designed for Cardiologists, Cardiac Electrophysiologists, Internal Medicine, Emergency Medicine, First Responders and Public Health providers in the Pacific Northwest. The course is also well-suited for nurses, nurse practitioners, physician associates, naturopathic doctors, fellows, and residents in these specialties.

COURSE DESCRIPTION

Sudden cardiac death is a critical public health issue, driving extensive clinical and translational research focused on predicting and improving outcomes for at-risk patients and survivors of cardiac arrest. This course underscores the necessity of ongoing education for healthcare providers at all levels, ensuring they are equipped with the latest evidence-based practices.

COURSE OBJECTIVES

Upon completion of this activity, attendees should be able to:

- Identify state-of-the-art evidence, use, and available data on wearable cardiac defibrillators.
- Recognize the impact of modern guideline directed medical therapy and revascularization on sudden death risk.
- Describe updates on the latest evidence and best practices in resuscitation.

ATTENDANCE POLICY

Course activities are exclusively reserved for course attendees. This course will only be offered in-person.

ACCREDITATION

Accreditation with Commendation: The University of Washington School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation: The University of Washington School of Medicine designates this Live activity for a maximum of 7.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

FEES AND REGISTRATION

To enroll, please register online at uwcme.org.

Continuing Medical Education at the University of Washington is a self-sustaining unit and does not depend on or receive public monies in support of its educational efforts. The course fees are estimated to cover transcripts of AMA PRA Category 1 Credits™, access to online instruction materials, course logistics, food and beverage, alcohol during the reception, faculty planning, travel, honoraria, and staff salaries.

If you have not received confirmation prior to the course start, please contact the CME office at cme@uw.edu. Continuing Medical Education will not be responsible for expenses.

Registration	In-Person
All Learners	\$250.00
*Resident/Fellow/Student	\$150.00

*Resident/Fellow/Student rate requires written confirmation of current Resident/Fellow/Student status. Failure to provide current documentation will result in a higher rate applied to your registration.

Registration rates increase by \$25 effective January 17, 2025.



Exhibitors are welcome at this event.

We have two exhibitor levels, Premium and Standard. Premium space is limited to four tables. Email cmeconf@uw.edu if you are interested in registering as an exhibitor for this event.

PRESENTATIONS AND COURSE MATERIALS

Instruction materials will be available online at uwcme.org (for conference registrants only). Materials will be available starting on January 25, 2025, for registrants to print and/or download. A printed syllabus with the conference agenda and pages for note-taking will be uploaded with course materials.

CANCELLATION POLICY

The Office of Continuing Medical Education must receive written notification of your cancellation by **January 17, 2025**. A \$75.00 processing fee will be deducted from refund requests received by this date. No refunds will be issued after January 17, 2025. The Office of Continuing Medical Education reserves the right to cancel this course twenty (20) days prior to the course date when a minimum enrollment is not met or for other reasons that prevent the University from holding the course. Each registrant will be notified through email and receive a full refund. The University of Washington is not responsible for any other costs incurred such as non-refundable airline tickets or hotel penalties. Contact the CME Office with questions call 206.543.1050, fax 206.221.4525 or email cme@uw.edu.

COVID-19 SAFETY MEASURES

Masks are strongly recommended for this in-person activity. Wearing a well-fitted mask over your mouth and nose is encouraged.

- Attendees must stay home if they have COVID-19 symptoms, have tested positive in the 5 days leading up to the event, or are still isolating after testing positive.
- COVID-19 Testing within 72 hours of an event is recommended if using a PCR test, testing day of the event is recommended if using a rapid antigen test. Testing 3 to 5 days after attending an event is also encouraged.

DIETARY REQUESTS

UW CME takes into consideration diverse nutritional preferences and restrictions when planning our complimentary menu. However, those individuals who might find that our menu is not completely aligned to their specific nutritional needs are welcome to bring their own food items.

If you have dietary restrictions (e.g., vegan, gluten-free, etc.), send an email to cme@uw.edu by January 17, 2025.

SPECIAL SERVICES

The University of Washington reaffirms its policy of equal opportunity regardless of race, color, creed, religion, national origin, sex, gender identity, sexual orientation, age, marital status, disability, or status as a protected veteran in accordance with University policy and applicable federal and state statutes and regulations. The University of Washington is committed to providing access and reasonable accommodation in its services, programs, activities, education, and employment for individuals with disabilities. To request disability accommodation in the application process, contact the department at 206.543.1050 or the Disability Services Office at least ten days in advance.

Disability Services Office
206.543.6450/Voice • 206.543.6452/TTY 206.685.7264/Fax • e-mail: dso@uw.edu

The following hotels are located near the conference site. To make reservations, please contact the hotels directly.

<u>Astra Hotel</u> <u>A Tribute Hotel</u> 300 Terry Ave N Seattle, WA 98109 206.693.6000	<u>Courtyard by Marriott</u> 925 Westlake Ave N Seattle, WA 98109 206.213.0100	<u>EVEN Hotel</u> 527 Fairview Ave N Seattle, WA 98109 206.596.2302	<u>Fairfield Inn & Suites</u> 226 7th Ave N Seattle, WA 98109 206.443.2012
<u>Hyatt House</u> 201 Fifth Ave N Seattle, WA 98109 206.727.1234	<u>MOXY Seattle Downtown</u> 1016 Republican Street Seattle, WA 98109 206.708.8200	<u>Residence Inn</u> 800 Fairview Ave N Seattle, WA 98109 206.624.6000	<u>Staybridge Suites</u> 1119 Mercer Street Seattle, WA 98109 877.238.8889

Course Faculty

Course Co-Chairs

Nazem Akoum, MD, MS, FACC, FAHA, FHRS

Professor of Medicine
Division of Cardiology
Adjunct Professor, Bioengineering
Section Chief, Cardiac Electrophysiology
Director, Clinical Cardiac Electrophysiology Fellowship
Attending Physician
UW Medical Center: Montlake

Jeanne Poole, MD, FACC

Professor of Medicine
Division of Cardiology/Electrophysiology Laboratory
Attending Physician
UW Medical Center: Montlake

Keynote Speaker

Peter Kudenchuk, MD

Professor of Medicine
Attending Physician
UW Medical Center: Montlake



Guest Faculty

Young Mei Cha, MD

Cardiac Electrophysiologist
Cardiologist
Department of Cardiovascular Medicine
Mayo Clinic
Rochester, MN

Mina Chung, MD

Physician
Department of Cardiovascular Medicine
Cleveland Clinic
Cleveland, OH

Marye Gleva, MD

Professor of Medicine
Washington University in St. Louis
St. Louis, MO

Jonathan Larson

Captain, Seattle Fire Department (retired)
Seattle, WA

Michael Mann

Director
Office of Sustainability and Environment
City of Seattle
Seattle, WA

Jay Stacy

Patient Panelist
Seattle, WA

Natalia Trayanova, PhD, FHRS, FAHA, FACC

Murray B. Sachs Professor of Biomedical Engineering
Professor of Medicine | Professor of Applied Math
and Statistics
Director, Alliance for Cardiovascular Diagnostic and
Treatment innovation (ADVANCE)
Director of AI Research in Health and Medicine, Data
Science and AI Institute
Johns Hopkins University
Baltimore, MD

Zian Tseng, MD, MAS, FHRS

Professor of Medicine in Residence
Murray Davis Endowed Professor of Engineering
Cardiac Electrophysiology, Cardiology Division
University of California
San Francisco, CA

UW Faculty

Uyanga Batnyam, MD

Assistant Professor of Medicine
Attending Physician
UW Medical Center: Montlake

Neal Chatterjee, MD, MSc

Assistant Professor of Medicine
Division of Cardiology
Cardiac Electrophysiologist
UW Medical Center: Montlake

Jason Coult, PhD

Research Assistant Professor
Division of General Internal Medicine

Cynthia M. Dougherty, ARNP, PhD, FAHA, FAAN

Professor
School of Nursing
Nurse Practitioner, Cardiology, VA Puget Sound HCS-
Seattle

Daniel Fishbein, MD

Professor of Medicine
Division of Cardiology

Julie (Beixin) He, MD

Clinical Assistant Professor of
Medicine
Attending Physician
VA Puget Sound Health Care System

Douglas Leedy, MD

Acting Assistant Professor of Medicine
Attending Physician
Division of Cardiology

Wayne Levy, MD

Professor of Medicine
Division of Cardiology

Reena Mehra, MD, MS

Professor of Medicine
A. Bruce Montgomery, MD, American Lung
Association Endowed
Chair in Pulmonary and Critical Care Medicine Head
Division of Pulmonary, Critical Care and Sleep Medicine
UW Medical Center

Babak Nazer, MD

Associate Professor of Medicine
Attending Physician
UW Medical Center: Montlake

Christian Ngo, MD

Clinical Assistant Professor of
Medicine
Attending Physician
UW Medical Center: Montlake

Kristen Patton, MD

Professor of Medicine
Attending Physician
UW Medical Center: Montlake

Jordan Prutkin, MD

Professor of Medicine
Interim Division Head, Division of Cardiology
Medical Director, Clinical Operations,
UW Heart Institute
Medical Director, UWMC
Electrocardiography Lab
Associate Director, Center for Sports Cardiology
Attending Physician
UW Medical Center: Montlake

Benjamin Stark

Research Scientist
Institute for Health Metrics and Evaluation

Jacob Sunshine, MD, MS

Associate Professor
Anesthesia and Pain Medicine

Saturday, February 1, 2025

8:00 Welcome and Introduction | *Nazem Akoum, MD, MS, FACC, FAHA, FHRS & Jeanne Poole, MD, FACC*

The Breadth and Impact of Cardiac Arrest

8:05 Sudden Cardiac Death - A Global Public Health Challenge | *Benjamin Stark*

8:20 The Sudden Cardiac Arrest Challenge - Time for a Parallel Approach | *Mina Chung, MD*

8:35 Predicting Out of Hospital Cardiac Arrest in the General Population | *Neal Chatterjee, MD, MSc*

8:50 AI Methods to Improve SCA Survival | *Jason Coult, PhD*

9:05 Psychological Distress in Survivors of Sudden Cardiac Arrest |
Cynthia M. Dougherty, ARNP, PhD, FAHA, FAAN

9:20 Panel Discussion

9:40 **BREAK**

ICD Guidelines and Risk Prediction

9:55 Risk Prediction Models: SHFM, SPRM, PROFID/ Residual risk of SCD | *Wayne Levy, MD*

10:10 Upcoming New ICD Trials | *Julie (Beixin) He, MD*

10:25 Computational Modeling and Imaging in the Prediction of SCD | *Natalia Trayanova, PhD*

10:40 Molecular Phenotyping and SCD Risk | *Zian Tseng, MD*

10:55 ECG Prediction of SCD | *Young Mei Cha, MD*

11:10 Panel Discussion

11:30 **LUNCH**

12:30 Keynote Introduction | *Nazem Akoum, MD, MS, FACC, FAHA, FHRS & Jeanne Poole, MD, FACC*

12:35 Keynote: A Witness to the Legacy of Cobb and Copass, and the Medic One Program |
Peter Kudenchuk, MD

All times listed are in Pacific Standard Time

Saturday, February 1, 2025

Keynote Panel Discussion | *Peter Kudenchuk, MD; Jeanne Poole, MD, FACC; Nazem Akoum, MD, MS, FACC, FAHA, FHRS; Jay Stacy; Jonathan Larson; Cynthia M Dougherty, ARNP, PhD, FAHA, FAAN; Daniel Fishbein, MD; & Michael Mann*

1:45 BREAK

Rapid Fire Session: SCD in special populations and risk modification

2:00 Sarcoid, Amyloid or HCM | *Marye Gleva, MD*

2:10 Genetic and Inflammatory Cardiomyopathies and SCD | *Babak Nazer, MD*

2:20 Sudden Death in the Athlete: Screening, Evaluation, Risk, and ICD | *Jordan Prutkin, MD*

2:30 Sudden Death in Cardio-Oncology Patients | *Douglas Leedy, MD*

2:40 The Next Wave: Frontiers in Defibrillator Science | *Kristen Patton, MD*

2:50 Sudden Death in Cardio-Oncology Patients | *Uyanga Batnyam, MD*

3:00 Panel Discussion

3:30 BREAK

Wearables for Identification of At-Risk Populations/Role of the WCD/Role of AI/LLM/Virtual Patient Care - Who, What, and When

3:45 Wearables and AI for identification and Risk stratification of SCD | *Jacob Sunshine, MD*

4:00 Racial and Ethnic Disparities in SCD Care | *Jeanne Poole, MD, FACC*

4:15 Current State of the Art in Wearable Cardiac Defibrillators | *Christian Ngo, MD*

4:30 Apnea and Sudden Death Risk | *Reena Mehra, MD, MS*

4:45 New tools and technologies in OHC | *Nazem Akoum, MD, MS, FACC, FAHA, FHRS*

5:00 Panel Discussion

5:20 ADJOURN

5:25 Reception (non-CME)