



4TH ANNUAL
CATHETER AND SURGICAL
THERAPIES FOR ATRIAL
FIBRILLATION CAST-AF

REGISTER TODAY!

AUGUST 26-27, 2022

HYBRID FORMAT:
ONLINE + IN CHICAGO

RADISSON BLU AQUA HOTEL CHICAGO

THIS ACTIVITY HAS BEEN APPROVED FOR

11 AMA PRA CATEGORY
1 CREDITS™

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Bluhm Cardiovascular Institute of Northwestern Memorial Hospital
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PROGRAM INFORMATION

4TH ANNUAL CATHETER AND SURGICAL THERAPIES FOR ATRIAL FIBRILLATION CAST-AF

This conference has attracted an international community of leading interventional electrophysiologists and cardiac arrhythmia surgeons, to present the contemporary and most advanced techniques for both the catheter and surgical treatment of atrial fibrillation. In addition, current recommendations for the management of the left atrial appendage will be presented and debated and the results of new LAA occlusion devices will be discussed. The format for the conference consists of plenary lectures, plenary roundtables, and plenary debates on topics of controversy as well as extensive specialty interventional EP and surgical breakout sessions.

LEARNING OBJECTIVES

After this activity, participants will be able to:

1. Discuss the electrophysiology of atrial fibrillation.
2. Cite the newest concepts of atrial electrophysiology, including differences in endocardial and epicardial conduction patterns and how they can impact the interpretation of electrophysiologic mapping.
3. Identify the advantages and limitations of activation-time mapping, voltage mapping, and phase mapping for the analysis of the electrophysiology of atrial fibrillation.
4. Demonstrate improved outcomes for the catheter ablation of atrial fibrillation using the most advanced techniques.
5. Demonstrate improved outcomes for the surgical ablation of atrial fibrillation using the most advanced techniques.
6. Discuss the electrophysiological basis of catheter ablation for paroxysmal and non-paroxysmal atrial fibrillation.
7. Cite the current indications for catheter ablation of atrial fibrillation in paroxysmal and non-paroxysmal atrial fibrillation.
8. Explain the current results of catheter and surgical ablation for paroxysmal and non-paroxysmal atrial fibrillation.
9. Implement a safe and effective left atrial appendage closure program using current percutaneous and surgical techniques to reduce the risk of stroke in patients with atrial fibrillation.
10. Determine the limitations of the HRS definitions of success and failure for the interventional (catheter and surgical) treatment of atrial fibrillation.
11. Examine the differences in the electrophysiology of primary ("stand-alone") and secondary ("concomitant") atrial fibrillation.
12. Discuss the electrophysiological basis of concomitant surgical ablation for atrial fibrillation in patients undergoing valve surgery with or without coronary artery disease.
13. Review the surgical options for the treatment of atrial fibrillation in patients undergoing mitral valve, aortic valve, and/or coronary artery bypass surgery.
14. Restate the currently recommended surgical lesion patterns for the concomitant surgical treatment of atrial fibrillation in patients undergoing mitral valve, aortic valve, and/or coronary artery bypass surgery based on recent clinical trial results.
15. Improve the outcomes of patients undergoing catheter and surgical therapies for atrial fibrillation using lifestyle modifications targeting obesity and other risk factors.

TARGET AUDIENCE

This CME program has been designed to meet the educational needs of Cardiologists, Electrophysiologists, Cardiac Surgeons, Internists, Cardiology Trainees, Cardiac Surgery Trainees, Physician Assistants, Nurse Practitioners, Nurses and any other health care professionals who participate in the care of atrial fibrillation.

VIRTUAL PLATFORM

Information regarding access to our virtual platform will be emailed to those who registered for this year's program.

CONFERENCE LOCATION

The program will be held at Radisson Blu Aqua Hotel, 221 N Columbus Dr. Chicago, IL 60601. Directions and parking information are available at <https://www.radissonhotels.com/en-us/hotels/radisson-blu-chicago-aqua/meeting-events>.

ACCREDITATION STATEMENT

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

SPECIAL NEEDS

The Northwestern University Feinberg School of Medicine intends to comply fully with the legal requirements of the Americans with Disabilities Act. If any participant of this conference needs accommodation please indicate those needs on the registration form or submit written requests to cvconferences@northwestern.edu at least two weeks prior to the conference date.

CREDIT DESIGNATION STATEMENT

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 11 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC POINTS

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 11 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

FACULTY DISCLOSURE

The Northwestern University Feinberg School of Medicine requires course directors, speakers, instructors, planners and other individuals who are able to control the content of this activity to disclose any relevant financial relationships. All identified potential conflicts of interest, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations are thoroughly vetted by Northwestern University FSM for fair balance. The faculty disclosures will be indicated in the course syllabus.

ADDITIONAL INFORMATION

Contact the Bluhm Cardiovascular Institute by email: cvconferences@northwestern.edu.

COURSE DIRECTORS



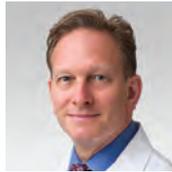
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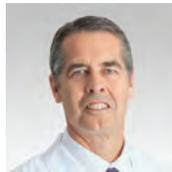
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Montreal, Canada

Peter Weiss, MD
Cardiac Electrophysiologist
Banner University
Phoenix, AZ

FRIDAY, AUGUST 26, 2022

11:45 am **LUNCH**

1:00 pm **Welcome/Opening Comments**
Patrick McCarthy, MD

SESSION 1: FUNDAMENTALS OF ATRIAL FIBRILLATION

MODERATORS:
Bradley Knight, MD
James Cox, MD
Patrick McCarthy, MD

1:05 pm **The Pandemic of AF**
Bradley Knight, MD

1:15 pm **Basic Mechanisms of AF**
Anna Pfenniger, MD, PhD

1:25 pm **AF and Heart Failure**
Jane Wilcox, MD, MSc

1:35 pm **PANEL DISCUSSION**
MODERATOR:
Patrick McCarthy, MD

PANEL:
Bradley Knight, MD
Anna Pfenniger, MD
Jane Wilcox, MD, MSc
James Cox, MD

1:45 pm **A More Efficient Approach to Concomitant Ablation and LAA Closure**
Patrick McCarthy, MD

1:55 pm **Wearable AF Detection**
Susan Kim, MD

2:05 pm **Patient-directed Anticoagulation**
Rod Passman, MD

2:15 pm **PANEL DISCUSSION**
MODERATOR:
Bradley Knight, MD

PANEL:
Patrick McCarthy, MD
Susan Kim, MD
Rod Passman, MD
James Cox, MD

SESSION 2: LAA MANAGEMENT AND CONCOMITANT AF SURGERY

MODERATORS:
Patrick McCarthy, MD
Saibal Kar, MD
Bradley Knight, MD

2:30 pm **LAAOS III and LeAAPS Trials**
Patrick McCarthy, MD

2:40 pm **Thoracoscopic LAA Closure**
Armin Kiankhooy, MD

2:50 pm **Transcatheter LAA Closure**
Saibal Kar, MD

3:00 pm **PANEL DISCUSSION**
MODERATOR:
Richard Whitlock, MD

PANEL:
Armin Kiankhooy, MD
Saibal Kar, MD
Bradley Knight, MD

3:15 pm **Side-effects of Endocardial vs Epicardial LAAO**
DJ Lakkireddy, MD

3:25 pm **Update on LAA Closure Clinical Trials**
Devi Nair, MD

3:35 pm **Surgical and Catheter Approaches to LAA; Time for a Change**
Steve Bolling, MD

3:45 pm **PANEL DISCUSSION**
MODERATOR:
DJ Lakkireddy, MD

PANEL:
Devi Nair, MD
Steve Bolling, MD
Bradley Knight, MD
Richard Whitlock, MD

4:00 pm **BREAK & EXHIBITS**

SESSION 3: EPS AND SURGEONS TOGETHER AGAIN

MODERATORS:
Rod Passman, MD
Anna Pfenniger, MD, PhD
Steve Bolling, MD

4:30 pm **Selection of Patients for Hybrid Procedure Ablation**
David DeLurgio, MD

4:40 pm **Results of Convergent Hybrid Procedure for AF**
Armin Kiankhooy, MD

4:50 pm **Results of Other Hybrid Procedures for AF**
Andrei Churyla, MD

5:00 pm **PANEL DISCUSSION**
MODERATOR:
Rod Passman, MD

PANEL:
David DeLurgio, MD
Armin Kiankhooy, MD
Andrei Churyla, MD
Steve Bolling, MD
Anna Pfenniger, MD, PhD

5:15 pm **Best Catheter Approach in Convergent Procedure**
Kevin Makati, MD

5:25 pm **Aortic Stenosis and Atrial Fibrillation**
Chris Malaisrie, MD

5:35 pm **Managing Post-Procedure Peri-Mitral Flutter**
Peter Kistler, MD

5:45 pm **PANEL DISCUSSION**
MODERATOR:
Steve Bolling, MD

PANEL:
Kevin Makati, MD
Chris Malaisrie, MD
Peter Kistler, MD
Rod Passman, MD
Anna Pfenniger, MD, PhD

6:00 pm **RECEPTION**

SATURDAY AUGUST 27, 2022

7:00 am **BREAKFAST**

SESSION 4: IMAGING AND RISK MITIGATION

MODERATORS:
Susan Kim, MD
Rod Passman, MD
Kevin Makati, MD

8:00 am **Imaging Before AF Ablation or Surgery - CT, MR, TEE**
Nassir Marrouche, MD

8:10 am **Robotic Maze Procedure for Atrial Fibrillation**
Vinay Badhwar, MD

8:20 am **Optimal Imaging Systems for Hybrid Procedures**
Kevin Makati, MD

8:30 am **Advances in Mapping Systems for AF Ablation**
David Haines, MD

8:40 am **PANEL DISCUSSION**
MODERATOR:
Nassir Marrouche, MD

PANEL:
Vinay Badhwar, MD
Kevin Makati, MD
David Haines, MD
Rod Passman, MD
Susan Kim, MD

8:55 am **Anticoagulation Around the Time of Ablation**
Rod Passman, MD

9:05 am **Use of 4-D ICE to Guide AF Procedures**
Bradley Knight, MD

9:15 am **Reducing the Complications of Catheter Ablation**
Susan Kim, MD

9:25 am **Reducing the Complications of Hybrid Procedures**
David DeLurgio, MD

9:35 am **Reducing the Complications of Surgical Ablation**
Chris Mehta, MD

9:45 am **PANEL DISCUSSION**
MODERATOR:
Susan Kim, MD

PANEL:
Bradley Knight, MD
Rod Passman, MD
Chris Mehta, MD
Kevin Makati, MD

10:00 am **BREAK & EXHIBITS**

SESSION 5: BREAKOUT SESSIONS (10:30 - 11:45 AM)

EP BREAKOUT

MODERATORS:
Susan Kim, MD
Albert Lin, MD
DJ Lakkireddy, MD

- 10:30 am **Watchman vs. Amulet vs. AtriClip**
DJ Lakkireddy, MD
- 10:40 am **Closing Leaks After Percutaneous and Surgical LAAC**
Rodney Horton, MD
- 10:50 am **What to do at Time of Redo AF Ablation**
Moussa Mansour, MD
- 11:00 am **PANEL DISCUSSION**
MODERATOR:
Rodney Horton, MD

PANEL:
DJ Lakkireddy, MD
Moussa Mansour, MD
Susan Kim, MD
Kevin Makati, MD
Albert Lin, MD
- 11:15 am **Vascular Closure**
Rodney Horton, MD
- 11:25 am **Pericardial Access and Drainage**
Albert Lin, MD
- 11:35 am **AADs After AF Ablation and IV Sotalol**
Jessica Charron, RN
- 11:45 am **PANEL DISCUSSION**
MODERATOR:
Albert Lin, MD

PANEL:
Jessica Charron, RN
Susan Kim, MD
Kevin Makati, MD
Rodney Horton, MD

SURGICAL BREAKOUT

MODERATORS:
Patrick McCarthy, MD
Armin Kiankhooy, MD
Andrei Churyla, MD

- 10:30 am **The Evidence Supporting Concomitant AF Ablation**
James Cox, MD
- 10:40 am **Methods for Surgical Closure of LAA**
Vinay Badhwar, MD
- 10:50 am **Mitral/Maze – How to do Both**
Patrick McCarthy, MD
- 11:00 am **PANEL DISCUSSION**
MODERATOR:
Vinay Badhwar, MD

PANEL:
James Cox, MD
Patrick McCarthy, MD
Andrei Churyla, MD
Armin Kiankhooy, MD
- 11:15 am **Convergent Procedure: How To Do It**
Armin Kiankhooy, MD
- 11:25 am **Totally Thoracoscopic Maze Procedure: How To Do It**
Andrei Churyla, MD
- 11:35 am **Should Concomitant Ablation be an STS Quality Criterion?**
Steve Bolling, MD
- 11:45 am **PANEL DISCUSSION**
MODERATOR:
Armin Kiankhooy, MD

PANEL:
Andrei Churyla, MD
Patrick McCarthy, MD
Steve Bolling, MD
Chris Mehta, MD

12:00 pm **LUNCH**

SESSION 6: NEW TECHNOLOGIES, APPROACHES, AND ENERGY SOURCES

MODERATORS:
Annabelle Volgman, MD
James Cox, MD
Moussa Mansour, MD

- 1:00 pm **Cryoballoons for AF**
Jason Andrade, MD
- 1:10 pm **Low-Voltage Multi-Pulse Therapy for AF**
Igor Efimov, PhD
- 1:20 pm **Devices for Surgical Ablation for AF**
Ralph Damiano, MD
- 1:30 pm **PANEL DISCUSSION**
MODERATOR:
Annabelle Volgman, MD

PANEL:
Igor Efimov, PhD
Jason Andrade, MD
Ralph Damiano, MD
Moussa Mansour, MD
- 1:45 pm **Pulsed Field Ablation (PFA) for AF**
David Haines, MD
- 1:55 pm **Ultra-Low CryoAblation for AF With and Without PFA**
Atul Verma, MD
- 2:05 pm **PANEL DISCUSSION**
MODERATOR:
Moussa Mansour, MD

PANEL:
David Haines, MD
Atul Verma, MD
Annabelle Volgman, MD

2:20 pm **BREAK & EXHIBITS**

SESSION 7: REMAINING ISSUES AND RECENT PROGRESS IN INTERVENTIONAL AF THERAPY

MODERATORS:
James Cox, MD
Patrick McCarthy, MD
Bradley Knight, MD

- 2:50 pm **AI and AF**
Faraz Ahmad, MD
- 3:00 pm **Medical Device Innovation Consortium Early Feasibility Study**
Peter Weiss, MD
- 3:10 pm **Pacemakers After Concomitant AF Surgery**
Patrick McCarthy, MD
- 3:20 pm **Can Interventional Therapy for AF be Map-Guided?**
James Cox, MD
- 3:30 pm **PANEL DISCUSSION**
MODERATOR:
Patrick McCarthy, MD

PANEL:
Peter Weiss, MD
James Cox, MD
Bradley Knight, MD
Faraz Ahmad, MD
- 3:45 pm **Future Directions in LAA Management**
DJ Lakkireddy, MD
- 3:55 pm **Future Directions in Catheter Ablation of AF**
Bradley Knight, MD
- 4:05 pm **Future Directions in Surgical Ablation of AF and LAA Closure**
Patrick McCarthy, MD
- 4:10 pm **PANEL DISCUSSION**
MODERATOR:
DJ Lakkireddy, MD

PANEL:
Bradley Knight, MD
Patrick McCarthy, MD
James Cox, MD
- 4:25 pm **CLOSING COMMENTS**
Patrick McCarthy, MD
Bradley Knight, MD
James Cox, MD
- 5:00 pm **RECEPTION ON THE TERRACE (3rd floor)**

4TH ANNUAL CATHETER AND SURGICAL THERAPIES FOR ATRIAL FIBRILLATION CAST-AF

AUGUST 26-27, 2022 | RADISSON BLU AQUA HOTEL | CHICAGO, ILLINOIS

REGISTRATION FEES¹

In-Person Attendance² \$200

In-Person Attendance (Fellows) \$50

VIRTUAL ATTENDANCE

U.S. Residents \$50

Non-U.S. Residents - Complimentary \$0

¹ Visit registration site for additional details that may apply.

² Maximum of 200 in person attendees will be allowed.
This may increase as Northwestern restrictions lift.

HOW TO REGISTER

 **ONLINE** - Please visit
cvconferences.com/castafib

CANCELLATION POLICY

Cancellations must be made in writing to cvconferences@northwestern.edu. The paid registrations fee will be refunded if cancellation is received by **July 30, 2022**. No refunds will be issued after this date.

QUESTIONS

Questions regarding registration should be directed to cvconferences@northwestern.edu. Registrations will not be accepted by telephone. For more information please visit cme.northwestern.edu.

2022

MARK YOUR CALENDAR!

44TH ANNUAL
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September 10-11, 2022
Hyatt Centric Chicago
Magnificent Mile
Chicago, IL | In Person

4TH ANNUAL
Heart Team Summit
October 21-22, 2022
Four Seasons St. Louis
St. Louis, MO | Hybrid Format

18TH ANNUAL
Heart Failure Symposium
December 2-3 2022
Radisson Blu Aqua Hotel
Chicago, IL | Hybrid Format

For more information please visit cvconferences.com
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Northwestern Medicine® is the shared vision that joins Northwestern Memorial HealthCare and Northwestern University Feinberg School of Medicine in a collaborative effort to transform medicine through quality healthcare, academic excellence, and scientific discovery.

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