2ND ANNUAL
CATHETER AND SURGICAL THERAPIES FOR ATRIAL FIBRILLATION CAST-AF

ONE DAY VIRTUAL PROGRAM: Saturday, August 22, 2020
PLUS: Enduring On Demand Sessions!

Course Directors
James Cox, MD
Bradley Knight, MD
Patrick McCarthy, MD

NEW: EARN ABIM MOC II CREDITS!

THIS ACTIVITY HAS BEEN APPROVED FOR
7.75 AMA PRA CATEGORY 1 CREDITS™

SPONSORED BY
Bluhm Cardiovascular Institute of Northwestern Memorial Hospital
Northwestern University Feinberg School of Medicine
Office of Continuing Medical Education

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PROGRAM INFORMATION

2ND 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. Apply the most advanced techniques for the catheter ablation of atrial fibrillation.
5. Describe the most advanced techniques for the surgical ablation of atrial fibrillation.
6. Discuss the electrophysiologic 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 ablation for paroxysmal and non-paroxysmal atrial fibrillation.
9. Discuss the current results of surgical ablation for non-paroxysmal atrial fibrillation.
10. Determine the limitations of the HRS definitions of success and failure for the interventional (catheter and surgical) treatment of atrial fibrillation.
12. Discuss the electrophysiologic 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.
15. Discuss the current results of concomitant surgical ablation of atrial fibrillation during mitral valve, aortic valve, and/or coronary artery bypass surgery.

TARGET AUDIENCE
This CME program has been designed to meet the educational needs of Cardiologists, Internists, Physician Assistants, Vascular Surgeons, Electrophysiologists, Physicians, Physician Assistants, Nurse Practitioners, Residents and Nurses and any other health care professionals who participate in the care of atrial fibrillation.

VIRTUAL FORMAT
A website link to the one day live program will be sent out to participants one week prior to the conference date. Links to the enduring on demand sessions will be available at a later date.

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.

CREDIT DESIGNATION STATEMENT
The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 7.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ABIM MOC RECOGNITION STATEMENT
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 7.75 MOC points and patient safety MOC credit in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

OTHER CREDITS
The American Academy of Nurse Practitioners and the American Nurses Credentialing Center accept AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

FACULTY DISCLOSURE
The Northwestern University FSM 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.

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 the Office of CME at least one month prior to the conference date.

ADDITIONAL INFORMATION
Contact the Bluhm Cardiovascular Institute by email: cvconferences@northwestern.edu or by phone at 312-664-3278.

CALL FOR ABSTRACTS
Now closed.
SATURDAY, AUGUST 22, 2020

7:45 am Welcome
Patrick McCarthy, MD

7:50 am Opening Comments
James Cox, MD
Bradley Knight, MD

8:00 am PLENARY LECTURES: Fundamentals of AF Intervention
MODERATORS: Patrick McCarthy, MD James Cox, MD Bradley Knight, MD

8:00 am Anatomy and Physiology Pertinent to Intervention for Atrial Fibrillation
James Cox, MD

8:15 am Effect of Catheter Ablation and Maze Procedures on LA Function
James Thomas, MD

8:30 am Direction of AF Interventions
Bradley Knight, MD

8:45 am Anticoagulation and Intervention for Atrial Fibrillation
Andrea Russo, MD

9:00 am The Future of Long-Term Monitoring Following Catheter and Surgical Intervention for Atrial Fibrillation
Rod Passman, MD

9:15 am Panel Discussion

9:30 am BREAK

10:00 am PLENARY LECTURES: Results of Contemporary Interventional Procedures for AF Ablation
MODERATORS: Bradley Knight, MD Andrea Russo, MD Patrick McCarthy, MD

10:00 am Results of Catheter Ablation for PAF
Kenneth Ellenbogen, MD

10:15 am Results of Catheter Ablation for Persistent and Long-Standing Persistent AF
Meleze Hocini, MD

10:30 am Results of Hybrid Procedures for Persistent and Long-Standing Persistent AF
Mark La Meir, MD

10:45 am Results of the Maze-IV Procedure for Persistent and Long-Standing Persistent AF
Ralph Damiano, MD

11:00 am Results of the Minimally Invasive CryoMaze III for Persistent and Long-Standing Persistent AF
Niv Ad, MD

11:15 am Panel Discussion

11:30 am LUNCH BREAK

12:30 pm PLENARY DEBATE: What is the Optimal Interventional Treatment Following Multiple Catheter Ablation Failures for Long-Standing Persistent AF?
MODERATORS: Patrick McCarthy, MD Susan Kim, MD Rod Passman, MD
His Bundle Ablation is the Best Option
Carina Blomstrom-Lundqvist, MD

12:40 pm A Joint Hybrid Procedure is the Best Option
Mark La Meir, MD

12:50 pm The Convergent Procedure is the Best Option
David Delurgio, MD

1:00 pm Minimally Invasive CryoMaze III is the Best Option
Niv Ad, MD

1:10 pm Open Debate of the Best Option
All Faculty

1:30 pm PLENARY LECTURES: LAA Closure: Techniques and Results
Moderators:
James Cox, MD Vera Rigolin, MD S. Chris Malaisrie, MD
1:30 pm Anatomy and Physiology of the LAA
Manuel Castella, MD
2:00 pm How I do it: Thoracoscopic LAA Closure with an Epicardial AtriClip
Stefano Benussi, MD, PhD
2:15 pm How I do it: Endocardial LAA Closure with a Plug
Rodney Horton, MD
2:30 pm How I do it: Epicardial LAA Closure with a LARIAT Device
Randall Lee, MD, PhD
2:45 pm Neurohormonal Consequences of Epicardial vs Endocardial LAA Closure
D.J. Lakkireddy, MD
3:00 pm Results of the LAAOS-III Trial
Richard Whitlock, MD, PhD
3:00 pm Panel Discussion

3:30 pm BREAK

4:00 pm PLENARY LECTURES: AF Management
MODERATORS: Bradley Knight, MD Annabelle Santos Volgman, MD Andrei Churyla, MD
4:00 pm Concomitant Treatment of Atrial Fibrillation during MVR
Patrick McCarthy, MD

4:15 pm Concomitant Treatment of Atrial Fibrillation during CABG
Amiran Revishvili, MD, PhD
4:30 pm Biophysics of Pulsed Electrical Field Ablation
David Haines, MD
4:45 pm Early Clinical Results with the Ultra-Low Linear Cryoablation Catheter
Suneet Mittal, MD
5:00 pm AF Catheter Ablation Technologies Beyond PFA and Cryoablation
Andrea Natali, MD
5:15 pm Guidelines for AF Surgery
Vinay Badhwar, MD
5:30 pm Panel Discussion

5:45 pm Closing Comments
James Cox, MD Bradley Knight, MD Patrick McCarthy, MD

6:00 pm ADJOURN
**ENDURING SESSIONS**

**Electrophysiology Optimal Technique For PVI**
- RF Balloon
  - Amin Al-Ahmad, MD
- Cryoballoon
  - Jason Andrade, MD
- Point-by-Point RF
  - Moussa Mansour, MD

**Biophysics of Novel Catheter-Based AF Therapies**
- Gene Therapy for AF
  - Rishi Arora, MD
- AF Ablation Technologies Beyond Electroporation and Ultra-Low Cryothermia
  - Andrea Natale, MD
- High-Power, Short-Duration RF Catheter Ablation for AF
  - Roger Winkle, MD

**Fundamentals of AF Intervention**
- Impact of Clinical Trials in AF Interventional Therapies
  - Gregory Michaud, MD
- Catheter Ablation of Atrial Tachycardias and Flutter following Surgery for Congenital Heart Disease
  - Sabrina Tsao, MD, MBBS

**Electrophysiology Controversies in AF Ablation**
- Post Ablation LA Flutters
  - Aman Chugh, MD
- Adjunctive LAA Ligation
  - Albert Lin, MD
- Imaging in AF Ablation
  - Nassir Marrouche, MD
- AF Drivers
  - Sanjiv Narayan, MD, PhD
- Preventing Life-Threatening Complications During AF Ablation
  - Oussama Wazni, MD

**Special Considerations During AF Interventions**
- Esophageal Deviation during AF Ablation & Moderator: Electrophysiology Controversies in AF Ablation
  - Emile Daoud, MD
- Heating and Cooling the Esophagus During AF Ablation
  - Nishant Verma, MD
- Atrial Fibrillation and Atrial Cardiomyopathies
  - Jane Wilcox, MD, MSc

**AF Management in Specific Clinical Scenarios**
- Importance of Disparate Endocardial and Epicardial Activation in the Clinical Mapping of Atrial Fibrillation
  - Natasja De Groot, MD
- Pre-Op Atrial Strain and Post-CABG Atrial Fibrillation
  - Olga Kislitsina, MD, PhD
- Late Atrial Fibrillation Arising de novo Following MVR
  - Christopher Mehta, MD

**Early and Long-Term Results of Interventional AF Therapy**
- Early Experience with Low Energy Multistage Electrotherapy for AF
  - Igor Effimov, MD
- Long-Term Results of LAA Closure with the AtriClip
  - Sacha Salzberg, MD, PhD

**Surgical Options, Results, and Guidelines**
- Convergent Procedures – Surgical Technique
  - Omar Lattouf, MD

**ROUNDTABLE: How Should Success be Defined and Reported Following Catheter or Surgical Ablation for Atrial Fibrillation?**
- PANELISTS:
  - Gregory Michaud, MD
  - Piotr Suwalski, MD, PhD

**Surgery Variations of the Maze Procedure**
- Robotic Maze Procedure – Surgical Technique
  - Harold Roberts, MD

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**REGISTRATION**

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**ONE DAY! SATURDAY, AUGUST 22, 2020**

**REGISTRATION FEE**

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**HOW TO REGISTER**

- ONLINE - Please visit [cme.northwestern.edu/conferences](http://cme.northwestern.edu/conferences)

**QUESTIONS**

Questions regarding registration should be directed to the Office of CME at cme@northwestern.edu or 312-503-8533. Registrations will not be accepted by telephone.

**WEBSITE**

For more information please visit our website: [cvconferences.com/afib](http://cvconferences.com/afib).