# Keeping the Beat: Screening and Management of High-Risk Patients with Non-Valvular Atrial Fibrillation

A Free, 90-Minute Live and OnDemand Activity

Premiere Date: Wednesday, October 7, 2020

6:30 PM - 8:00 PM ET (live)

Credit Expiration Date: Thursday, October 7, 2021

# www.cmeoutfitters.com/NVAFbeat #NVAFbeat

#### LIVE FACULTY:

Deepak L. Bhatt, MD, MPH, FACC, FAHA, FSCAI, FESC Christopher P. Cannon, MD Margot Savoy, MD, MPH, FAAFP, FABC, CPE, CMQ, FAAPL

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#### INFORMATION FOR PARTICIPANTS

#### **Statement of Need**

Atrial fibrillation (AF) is the most common sustained cardiac arrhythmia, projected to affect 12 million Americans by 2030. However, a significant number of AF cases, particularly non-valvular atrial fibrillation (NVAF) remain undiagnosed, putting patients at risk for severe cardiovascular (CV) complications, including increased risk of stroke. It is imperative that clinicians identify the symptomatology of AF and effectively diagnose NVAF, as these complications can potentially be avoided by increased screening and guideline-directed anticoagulation treatment. Unfortunately, despite the fact that both opportunistic and systematic screening have been shown to be effective in detecting NVAF, clinicians often lack knowledge of the available tools and strategies for implementing it, particularly in primary care settings.

This CME Outfitters Live and OnDemand webcast will feature expert faculty addressing the impact of undiagnosed NVAF, the benefit and use of screening tools for early detection, best practices for optimizing screening, implementing oral anticoagulant therapy for stroke prevention, and the use of digital health technologies, with a goal of fostering collaborative care and optimizing patient outcomes.

#### **Learning Objectives**

At the end of this CME/CE activity, participants should be able to:

- Implement opportunistic and systematic screening in primary care settings to identify patients with NVAF who might benefit from anticoagulant therapy.
- Integrate current guidelines into the management of patients with NVAF.
- Incorporate the latest resources and strategies to facilitate collaborative care and optimize patient outcomes.

#### The following learning objectives pertain only to those requesting CNE or CPE credit:

- Explain how to identify patients with NVAF in the primary care setting who might benefit from anticoagulant therapy.
- Summarize current guidelines on the management of patients with NVAF.
- Discuss the latest resources and strategies for collaborative care and optimized patient outcomes.

#### **Target Audience**

Primary care physicians, cardiologists, nurse practitioners, PAs, nurses, and pharmacists

#### **Financial Support**

Supported by an educational grant from the Bristol-Myers Squibb and Pfizer Alliance.

#### **CREDIT INFORMATION**

#### **CME Credit (Physicians)**

CME Outfitters, LLC, is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. CME Outfitters, LLC, designates this live activity for a maximum of 1.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Note to PAs:** PAs may claim a maximum of 1.5 Category 1 credits for completing this activity. NCCPA accepts *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by ACCME or a recognized state medical society.

#### **CNE Credit (Nurses)**

Provider approved by the California Board of Registered Nursing, Provider Number CEP 15510, for 1.5 contact hours.

**Note to Nurse Practitioners:** Nurse practitioners can apply for *AMA PRA Category 1 Credit*™ through the American Academy of Nurse Practitioners (AANP). AANP will accept *AMA PRA Category 1 Credit*™ from organizations accredited by the Accreditation Council for Continuing Medical Education. Nurse practitioners can also apply for credit through their state boards.

#### **CPE Credit (Pharmacists)**



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Universal Activity Number: Live: 0376-0000-20-121-L01-P; Enduring: 0376-0000-20-121-H01-P Type: Knowledge-based

#### Keeping the Beat: Screening and Management of High-Risk Patients with Non-Valvular Atrial Fibrillation

#### ABIM/MOC Credit

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 1.5 MOC points 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.

Learning Formats: Live activity; Enduring material

#### Royal College MOC

Through an agreement between the Accreditation Council for Continuing Medical Education and the Royal College of Physicians and Surgeons of Canada, medical practitioners participating in the Royal College MOC Program may record completion of accredited activities registered under the ACCME's "CME in Support of MOC" program in Section 3 of the Royal College's MOC Program.

#### **MIPS Improvement Activity**

This activity counts towards MIPS Improvement Activity requirements under the Medicare Access and CHIP Reauthorization Act of 2015 (MACRA). Clinicians should submit their improvement activities by attestation via the CMS Quality Payment Program website.

#### **CREDIT REQUIREMENTS**

**Post-tests, credit request forms, and activity evaluations must be completed online** (requires free account activation), and participants can print their certificate or statement of credit immediately (75% pass rate required). This website supports all browsers except Internet Explorer for Mac. For complete technical requirements and privacy policy, visit https://www.cmeoutfitters.com/privacy-and-confidentiality-policy.

There is no fee for participation in this activity. The estimated time for completion is 90 minutes. Questions? Please call 877.CME.PROS.

#### **FACULTY BIOS & DISCLOSURES**

#### Deepak L. Bhatt, MD, MPH, FACC, FAHA, FSCAI, FESC (Co-Moderator)

After graduating as valedictorian from Boston Latin School, Dr. Bhatt obtained his undergraduate science degree as a National Merit Scholar at MIT while also serving as a research associate at Harvard Medical School. He received his medical doctorate from Cornell University and a Master of Public Health with a concentration in clinical effectiveness from Harvard University. His internship and residency in internal medicine were at the Hospital of the University of Pennsylvania, and his cardiovascular training was at Cleveland Clinic. Dr. Bhatt completed fellowships in interventional cardiology and cerebral and peripheral vascular intervention and served as Chief Interventional Fellow at Cleveland Clinic, where he spent several years as an interventional cardiologist and an Associate Professor of Medicine. Most recently he received the AHA's Distinguished Scientist Award in 2019 in addition to numerous other honors. Dr. Bhatt has been listed in Best Doctors in America from 2005 to 2020.

Dr. Bhatt's research interests include acute coronary syndromes, preventive cardiology, and advanced techniques in cardiac, cerebral, and peripheral intervention. He has authored or co-authored over 1500 publications and has been listed by the Web of Science Group as a Highly Cited Researcher from 2014 to 2019. He was the international principle for the CHARISMA and CRESCENDO trials and co-principle of the three CHAMPION trials. He served as chair of COGENT and co-principle of STAMPEDE. Additionally, Dr. Bhatt serves as chair for REDUCE-IT and SCORED. In 2018, REDUCE-IT was listed and named the top cardiology trial by NEJM. In 2014, he was listed in the AHA/ASA top ten advances in heart disease and stroke research (for STAMPEDE and SYMPLICITY HTN-3). He serves as Senior Associate Editor for News and Clinical Trials for ACC. org, Editor of the peer-reviewed *Journal of Invasive Cardiology*, as well as Editor of *Cardiovascular Intervention: A Companion to Braunwald's Heart Disease and Atherothrombosis in Clinical Practice* published by Oxford University Press. He also serves as Editor-in-Chief of the *Harvard Heart Letter* for patients.

#### Christopher P. Cannon, MD (Co-Moderator)

Dr. Cannon is a Professor of Medicine at Harvard Medical School, and senior physician in the Preventive Cardiology section of the Cardiovascular Division at Brigham and Women's Hospital. He currently serves as Education Director in the Cardiovascular Innovation group. For 25 years, Dr. Cannon served as an investigator in the TIMI Study Group. He has been principal investigator of more than 20 multicenter clinical trials, including TACTICS-TIMI 18, PROVE IT, IMPROVE IT, and RE-DUAL PCI trials, and is a lead investigator for VERTIS CV. In his role at Cardiovascular Innovation he is helping to implement the quality improvement program 'Remote Health' for lipids and hypertension.

#### Margot Savoy, MD, MPH, FAAFP, FABC, CPE, CMQ, FAAPL

Dr. Savoy is Department Chair & Associate Professor for the Department of Family & Community Medicine at the Lewis Katz School of Medicine at Temple University and Temple University Hospital, and Chief Quality Officer for the Temple Faculty Practice Plan. She is an attending physician at Temple University Hospital (Philadelphia, PA) and Christiana Care Health System (Wilmington, DE). Dr. Savoy graduated from the University of Maryland School of Medicine in 2002, completed the Family Medicine Residency Program at the Crozer-Keystone Family Medicine Residency Program (Springfield, PA) in 2005, and graduated from the University of North Carolina Chapel Hill Gillings School of Global Public Health in 2008 with a Master's degree in Public Health in Public Health Leadership with a focus on Public Health Practice. She is certified by the American Board of Family Medicine, the Certifying Commission in Medical Management, and is a Fellow of the Advisory Board Company.

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Dr. Bhatt reports he is a consultant for Abbott; Afimmune; Amarin Corporation; Amgen Inc.; Astra Zeneca; Bayer Corporation; Boehringer Ingelheim; Bristol-Myers Squibb Company; Cardax, Inc.; Chiesi USA, Inc.; CSL Behring; Eisai Inc.; Ethicon USA, LLC; Ferring Pharmaceuticals: Forest Laboratories; Fractyl Laboratories, Inc.; Idorsia Pharmaceuticals Ltd; Ironwood Pharmaceuticals, Inc.; Ischemix; Lexicon Pharmaceuticals, Inc.; Lilly USA, LLC.; Medtronic; PhaseBio Pharmaceuticals, Inc.; Pfizer Inc.; PLx Pharma Inc.; Regeneron; Roche; Sanofi-Aventis U.S. LLC; Synaptic Pharmaceutical Corp.; and The Medicines Company.

Dr. Cannon reports that he receives research grants from Amgen Inc.; Boehringer-Ingelheim; Bristol-Myers Squibb Company; Daiichi Sankyo, Inc.; Janssen Pharmaceuticals, Inc.; Merck & Co., Inc.; and Pfizer Inc. He is a consultant for Aegerion Pharmaceuticals, Inc.; Alnylam Pharmaceuticals, Inc.; Amarin Corporation; Amgen Inc.; Applied Therapeutics; Ascendia Pharmaceuticals; Boehringer-Inghelheim; Bristol-Myers Squibb Company; Corvidia; Eli Lilly and Company; HLS Therapeutics Inc.; Innocent Biologics, Inc.; Janssen Pharmaceuticals, Inc.; Kowa Pharmaceuticals America, Inc.; Merck & Co., Inc.; Pfizer Inc.; Rhoshan Pharmaceuticals, Inc.; and Sanofi-Aventis.

Dr. Savoy has no disclosures to report.

Jeffrey Helfand, DO (peer reviewer) has no disclosures to report.

Mae Ochoa, RPh (peer reviewer) has no disclosures to report.

Rachel Speer, PhD (planning committee) has no disclosures to report.

Evan Luberger (planning committee) has no disclosures to report.

Jan Perez (planning committee) has no disclosures to report.

Sharon Tordoff (planning committee) has no disclosures to report.

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Keeping the Beat: Screening and Management of High-Risk Patients with Non-Valvular Atrial Fibrillation

Supported by an educational grant from the Bristol-Myers Squibb and Pfizer Alliance.

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- Complete the follow-up survey from CME Outfitters in approximately 3 months

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**#NVAFbeat** 

#### Christopher P. Cannon, MD

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CME Strong



## Margot Savoy, MD, MPH, FAAFP, FABC, CPE, CMQ, FAAPL

Chair and Associate Professor Department of Family and Community Medicine Lewis Katz School of Medicine at Temple University Philadelphia, PA

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### Deepak L. Bhatt, MD, MPH, FACC, FAHA, FSCAI, FESC

Executive Director of Interventional Cardiovascular Programs Brigham and Women's Hospital Heart & Vascular Center Professor of Medicine Harvard Medical School Boston, MA

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Implement opportunistic and systematic screening in primary care settings to identify patients with NVAF who might benefit from anticoagulant therapy.

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Integrate current guidelines into the management of patients with NVAF.

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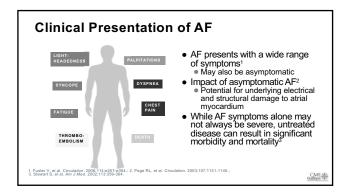


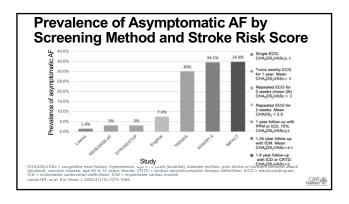
Incorporate the latest resources and strategies to facilitate collaborative care and optimize patient outcomes.

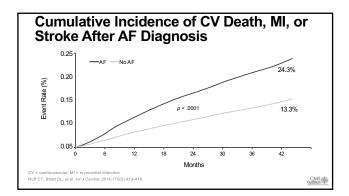
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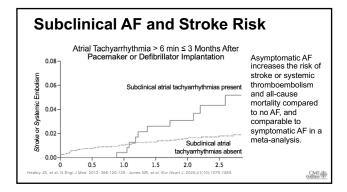
# Epidemiology of AF in the US: Rising Prevalence • As of 2010, prevalence estimates for AF in the US ranged from ~2.7 million to 6.1 million¹ • AF prevalence is predicted to increase by up to two-fold by 2030 to 12.1 million¹ Poisctions assure no increase growth (blue dashed line) in incidence of AF from 2007. AF - strait fibrillation 1. Benjamin EJ, et al. Circulation 2018;137-e67-e462.; 2. Colibs 5, et al. Am J Cardiol 2013;112:1142:1147.

#### Lifetime Risk of AF Lifetime Risk for AF at Selected Index Ages by Sex **26.0%** (24.0 – 27.0) **23.0%** (21.0 – 24.0) 40 50 **25.9%** (23.9 – 27.0) 23.2% (21.3 - 24.3) 60 **25.8%** (23.7 - 26.9) 23.4% (21.4 - 24.4) 70 **24.3%** (22.1 – 25.5) **23.0%** (20.9 – 24.1) 80 **22.7%** (20.1 – 24.1) **21.6%** (19.3 – 22.7) 1 in 4 1 in 6 Lifetime risk if currently free of AF







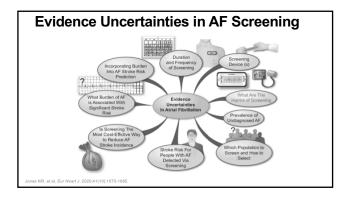


### U.S. Preventive Services Task Force Recommendation on Screening in AF

●The U.S. Preventive Services Task Force released a final recommendation statement on screening for atrial fibrillation with electrocardiography. The Task Force found insufficient evidence on screening for atrial fibrillation with ECG to prevent strokes.

US	Preventive	Services	Task Force	(USPSTF).	JAMA.	2018;320	(5):478-48	4

CME (S)



### 2020 ESC Guidelines: Recommendations for Screening for AF

Selected Recommendations	COR	LOL
Opportunistic screening for AF by pulse taking or ECG rhythm strip in patients ≥65 years of age	I	В
Interrogate pacemakers and implantable cardioverter defibrillators on a regular basis	- 1	Α
Systematic ECG screening in patients aged ≥75 years or at high risk of stroke	1	В
Opportunistic screening for AF in hypertensive patients	I	В
Opportunistic screening for AF in patients with obstructive sleep apnea should be considered	lla	С

ESC = European Society of Cardiology Hindricks G, et al. Eur Heart J. 2020;ehaa612.

#### Potential Benefits From and Risks of **Screening for AF**

# Prevention of: Stroke/SE using OAC in patients at risk Subsequent onset of symptoms Prevention/reversal of: Electrical/mechanical atrial remodeling AF-related haemodynamic derangements Atrial and ventricular tachycardia-induced cardiomyopathy Prevention/reduction of:

- AF-related morbidity; hospitalization; mortality
   Reduction of:
   The outcomes associated with conditions/diseases associated with AF that are discovered and treated as a consequence of the examinations prompted by AF detection

	Risks	
•		

CME SE Outlitters 4

#### Why Screen for Undiagnosed AF?

- Prevent preventable stroke
- Data from Riks-Stroke and registry
  - Approximately 33% of ischaemic strokes due to AF
  - Only 16% of those had received an anticoagulant in the previous 6 months
  - 8% of patients in registry had AF that was not
  - No patients in registry had a little was not previously known
     8% 28% of patients with ischemic stroke notice their symptoms when they wake (i.e., wake-up stroke)

Screening can find unknown AF and facilitate appropriate management

Friberg L, et al. Stroke. 2014.45:2599-2605.; Denny MC, et al. J Neurol Disord. 2014;pii:102.; Rubin MN, Barrett KM. Neurohospitalist. 2015;5(3):161-172.; Mackey J, et al. Neurology. 2011;76(19):1662-1667.

#### Screening is Effective

- Incidence of previously unknown AF was found to be 1.4% in ≥ 65 year olds; ~ 490,000 people in the US¹
- Screening can increase detection rate of new cases of AF: 1.63% a year compared with 1.04% without systematic or opportunistic screening<sup>2</sup>

Systematic screening: invitation for electrocardiography Opportunistic screening: pulse taking and invitation for electrocardiography if the pulse was irregular

#### Systematic Screening for AF with Intermittent ECG

- STROKESTOP study in 7,173 people aged 75–76
- Use of self-activated hand-held single lead ECG returned positive AF diagnosis in an additional 3% of all patients in 2
- In participants who received a new diagnosis of AF, the mean number of registrations with AF was 4.5

by Intermittent ECG

Number of AF Episodes Recorded

berg E, et al. Circulation. 2015;131(25):2176-2184.

#### **Detection of AF After Cardiac Surgery** (SEARCH-AF)

- ●Open-label, two-arm RCT in 396 post-cardiac surgical subjects at risk of stroke

  Comparing a strategy of enhanced cardiac rhythm
  - monitoring with a wearable adhesive patch device\* vs. usual care
- Primary outcome: documentation of sustained atrial fibrillation or flutter within 30 days after randomization

\*Medironic SEEQ $^{\text{Nil}}$  mobile cardiac telemetry system or the CardioSTAT (Icentia Inc.) POAF/AFL = post-operative strial fibrillation/flutter, RCT = randomized controlled trial Detection of Atrial Fibrillation After Cardiac Surgery (SEARCH-AF). ClinicalTrials, gov Ic

#### Who to Screen for AF

- People over 65 years of age
- People at high CV risk
- People with predisposing conditions:
  - Hypertension
  - Heart failure
  - Coronary artery disease
     Obesity

  - Diabetes mellitusChronic kidney diseaseObstructive sleep apnoea

CME Shoutiters

#### How to Screen for AF: **New Technologies Offer Many Options**

Example Device
AppleWatch     Technology compatible with wide range of smartphones
WatchBP Home A (Microlife)     Omron M6 (Omron)
Kardia (Alivecor)     Zenicor ECG (Zenicor)     MyDiagnostic (Applied Biomedical Systems BV)
Zio (iRhythm)     Cardiostat (Icentia)     Nuvant (Corventis)

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Techniques for AF Screening									
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Hindricks G, et al. Eur H	eart J. 2020;ehaa612.				CME SI Outlitters SI				

#### **How Useful Are AF Screening Tools?**

	Sensitivity	Specificity
Pulse taking	87% - 97%	70% - 81%
Automated BP measurements	93% - 100%	86% - 92%
Single lead ECG screening	94% - 98%	76% - 95%
Smartphone apps	91.5% - 98.5%	91.4% - 100%
Watches	97% - 99%	83% - 94%

"A role in screening for silent AF may also exist for remote electrocardiographic acquisition and transmission with a "smart" worn or handheld WiFi-enabled device with remote interpretation" - AHA/ACC/HRS 2019 Focused Update of AF Guidelines

ACC = American College of Cardiology; AHA = American Heart Association; BP = blood pressure; HRS = Heart Rhythm Society Hindricks G, et al. Eur Heart J. 2020;ehaa612.; January CT, et al. Circulation. 2019;140:e125-e151.

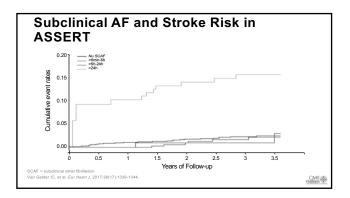
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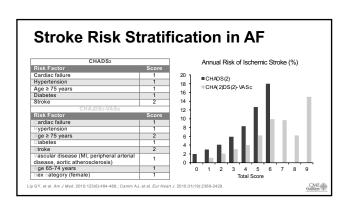
### Which Screening Tools Will Reach Patients at Highest Risk of AF?

- •Do high-risk patients have access to hightech screening tools?
- •How can we ensure that screening will narrow, rather than widen, disparities in care?

CME Shoutities

Year	Study		AF Burden Measure	HR for stroke
2003	MOST	312	5 min	6.7 p = 0.02
2005	Capucci	725	> 24 hrs	3.1 p = 0.04
2009	Botto	568	CHADS + AF burden	6.2 (5 vs. 0.8%)
2012	Home monitor CRT	560	3.8 hrs	9.4 p = 0.006
2012	TRENDS	2486	5.5 hrs	2.4 p = 0.06
2012	ASSERT	2580	6 min	2.5 p = 0.008





#### **Conclusions**

- Screening for AF has been made easier by the development of new affordable technology and should be encouraged
- Screening may reduce stroke risk
- Reducing stroke risk in patients with AF is essential, regardless of whether a patient is symptomatic or not

Amerena JV, et al. Med J Aust. 2013;199(9):592-597

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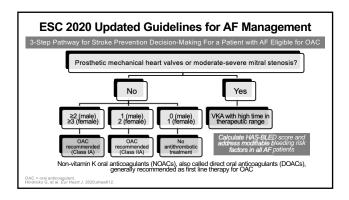


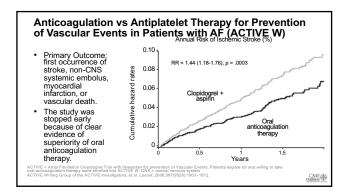
Integrate current guidelines into the management of patients with NVAF.

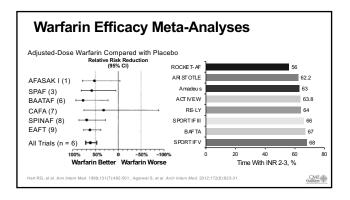
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#### 2019 ACC/AHA/HRS Guidelines for AF Summary of Class I Recommendations LOE For patients with AF and the CHA-DS--VASc score of $\geq 2$ in men or $\geq 3$ in women oral anticoagulants are recommended. Options include warfarin (LOE: A), dabigatran (LOE: B), rivaroxaban (LOE: B), apixaban (LOE: B), or edoxaban (LOE: BR). ₽₽. Non-vitamin K anticoagulants (NOACs) (dabigatran, rivaroxaban, apixaban, and edoxaban) are ecommended over warfarin in NOAC-eligible patients with AF (except with moderate-to-severe mitral stenosis or a mechanical heart valve). Among patients treated with warfarin, the international normalized ratio (INR) should be determined at least weekly during initiation of anticoagulant therapy and at least monthly when anticoagulation (INR in range) is stable Α In patients with AF (except with moderate-to-severe mitral stenosis or a mechanical heart valve), the CHA2DS2-VASc score is recommended for assessment of stroke risk. В For patients with AF who have mechanical heart valves, warfarin is recommended. В Selection of anticoagulant therapy should be based on the risk of thromboembolism, irrespective of whether the AF pattern is paroxysmal, persistent, or permanent. В Renal function and hepatic function should be evaluated before initiation of a NOAC and should be reevaluated at least annually. B-NR

anuary CT, et al. J Am Coll Cardiol. 2019;74(1):104-13:

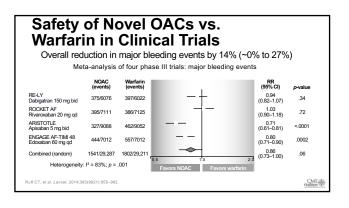


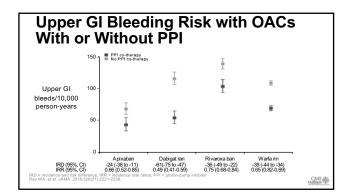


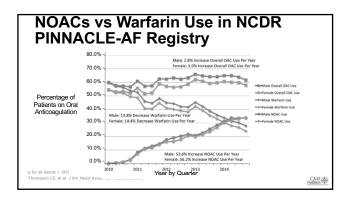


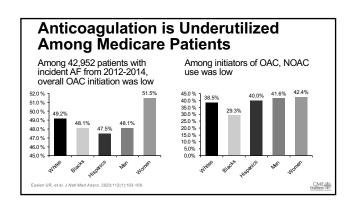
Condition	Eligibility for NOAC therapy
Mechanical prosthetic valve	Contraindicated
Moderate to severe mitral stenosis (usually of rheumatic origin)	Contraindicated
Mild to moderate other native valvular disease (e.g., mild-moderate aortic stenosis or regurgitation, degenerative mitral regurgitation etc.)	Included in NOAC trials
Severe aortic stenosis	Limited data (excluded in RE-LY) Most will undergo intervention
prosthetic valve (after > 3 months	Not advised if for rheumatic mitral stenosis
post operatively)	Acceptable if for degenerative mitral regurgitation or in the aortic position
Mitral valve repair (after > 3 months post operatively)	Some patients included in some NOAC trials
PTAV and TAVI	No prospective data yet May require combination with single or dual antiplatelet therapy
Hypertrophic cardiomyopathy	Few data, but patients may be eligible for No

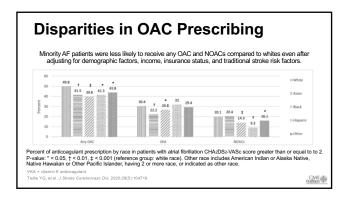
#### Efficacy of Novel OACs vs. Warfarin in Clinical Trials Overall Reduction in Stroke or Systemic Embolic Events (SE) by 19% (~9% to 27%) Meta-analysis of four phase III trials: stroke/SE events RR (95% CI) 0.66 (0.53–0.82) 0.88 (0.75–1.03) 0.80 (0.67–0.95) 0.88 (0.75–1.02) 0.81 (0.73–0.91) RE-LY Dabigatran 150 mg bid ROCKET AF Rivaroxaban 20 mg qd ARISTOTLE Apixaban 5 mg bid ENGAGE AF-TIMI 48 Edoxaban 60 mg qd .0001 269/7081 306/7090 .12 212/9120 265/9081 .012 296/7035 337/7036 .10 911/29,312 1107/29,229 Combined (random) <.0001 Heterogeneity: $I^2 = 83\%$ ; p = .001CI = confidence interval; RR = relative risk Ruff CT, et al. Lancet. 2014;383(9921):955–962 CME SE Outliters

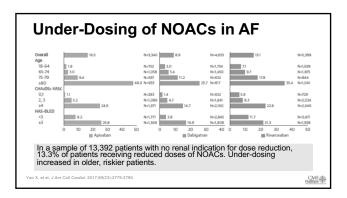




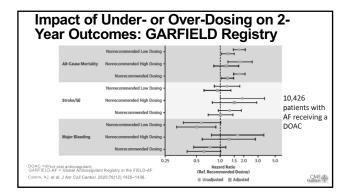




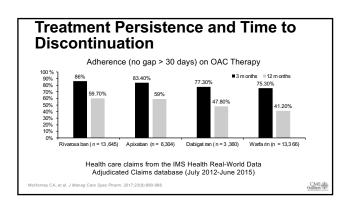




# Clinical Consequences of Under-Dosing of NOACs in AFS • Among 8425 patients newly diagnosed with NVAF and initiating NOAC therapy, 39% received off-label dose-reduced treatment • Underdosing was associated with increased risk of composite outcome of death/stroke/MII, with no mitigation of bleeding risk Outcomes | Reduced dose | Std. dose | Pvalue |

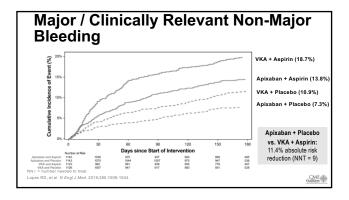


# Case Study A patient you treat in primary care is started on NOAC therapy while hospitalized and told to follow up with the cardiologist. At the patient's next visit with you, while you are reviewing her current medications, you see that she is now taking a NOAC, but you are not sure whether the dose is appropriate. What should a health care provider do in this situation?



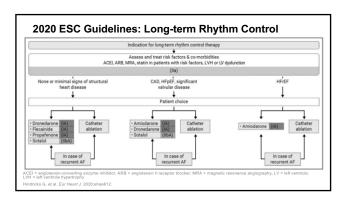
# Case Study During a routine primary care office visit, your patient has BP 160/90. You want to adjust her medication to better control her hypertension. She is currently taking multiple medications, some of which were prescribed by her cardiologist. What should a health care provider do in this situation?

# Your patient's cardiologist performed a PCI and initiated antiplatelet therapy in addition to continuing the patient's NOAC therapy. You are considering whether to instruct the patient to continue taking aspirin (triple therapy) or use only dual therapy (NOAC + non-aspirin antiplatelet therapy). What should a health care provider do in this situation?



#### 

#### **EAST-AFNET 4 Study of Early Rhythm** Control Patients randomized to rhythm control vs usual care within 1 year of AF diagnosis: Lower risk of death from CV causes, stroke, or 70 hospitalization with HF or ACS (HR, .79; 96% CI, .66 to .94) € 60 Received catheter ablation (19%), class 1c antiarrhythmic drugs, dronedarone, amiodarone, or other antiarrhythmics 65% still receiving rhythm control at 24 months point 40 Usual Care 20 months 15% of usual care group used rhythm control Early rhythm control control OACs used in ~90% in both groups No. at Risk Usual care Early hybrim control 34 1195 1193 913 404 26 CME SE Outliters



#### **Conclusions**

- NOACs have demonstrated benefit in reducing stroke risk and death in AF
- Adequate dosing is necessary to achieve maximum benefit and reduce risk of harm
- In patients with AF who have undergone PCI, new consensus statements:
  - North American: Dual therapy should be the "default strategy"
    NOAC preferred
- Rhythm control for recent onset Afib to be considered

CME



Incorporate the latest resources and strategies to facilitate collaborative care and optimize patient outcomes.

CME outities

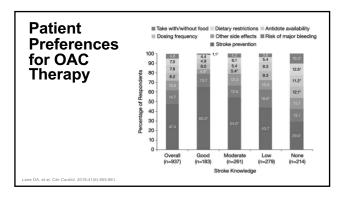
### The Need for Shared Decision-Making (SDM) in AF Management

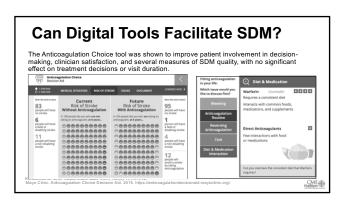
- Less than half of high-risk patients with AF receive anticoagulants<sup>1</sup>
- Of those who start anticoagulation, 30% 50% stop treatment within 12 months<sup>2,3</sup>
- 2019 AHA/ACC/HRS guidelines recommend using SDM to individualize anticoagulation and note that SDM can improve adherence<sup>4</sup>

	Med. 2010:123(7):638-645.e4.: 2. F		
<ol><li>Gallagher AM, et al. J</li></ol>	Thromb Haemost, 2008:6(9):1500-	1506.: 4. January CT, et al.	J Am Coll Cardiol, 2019;74(1):104-132

CME SE

2020 ECS/EACTS Recommendations	Class	Level
To optimize shared decision making about specific AF treatment option(s) in consideration, it is recommended that physicians:  Inform the patient about the advantages/limitations and benefit/risks associated with the treatment option(s) being considered and Discuss the potential burden of the treatment with the patient and include the patient's perception of treatment burden in the treatment decision.	1	С
It is recommended to routinely collect PROs to measure treatment success and improve patient care.	1	С
Integrated management with a structured multidisciplinary approach including healthcare professionals, patients, and their family/carers, should be used in all AF patients to improve clinical outcomes.	lla	В
2019 AHA/ACC/HRS Recommendations	Class	Level
In patients with AF, anticoagulant therapy should be individualized on the basis of shared decision- making after discussion of the absolute risk and relative risks of stroke and bleeding, as well as the patient's values and preferences.	1	С

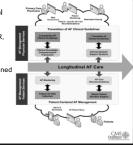




#### **Can Digital Tools Improve Health** Outcomes?

- The IMPACT-AF clinical decision support tool was designed to support guideline-based AF management
   Includes a patient app for patients to record HR, BP, and other data to share with HCP
- Compared to usual care in primary care settings over 1 year
   Primary efficacy outcome: composite of unplanned CV hospitalizations and AF-related ED visits
- Primary safety outcome: major bleeding • No impact on outcomes was observed

ED = emergency department; HCP = health care practitioner; HR = heart rate; IMPACT-AF = Integrated Management Program Advancing Community Treatment of AF Cox JL, et al. Am Heart J. 2018;201:149-157.



#### **Benefit of Digital Health Tools in** Cardiovascular Medicine

- Digital health tools allow:
  - monitoring AF symptoms between visits
     point-of-service information about medications and possible side effects
- Consistent benefit for:

   "Communication and counseling"
  - "Remote monitoring of patients with chronic conditions"
  - "Improving outcomes, including mortality, QoL and reduced hospital admissions"
- Really?

QoL = quality of life Totten AM, et al. Tele



#### **NVAF Whiteboard for Patient Education**

- ~ 2-minute free animation educating patients on:
- Description of NVAF
- Risk factors for NVAF
- Symptoms of NVAF
- Treatment options
- Downloadable "Questions to Ask Your HCP" document
- Available at https://www.cmeoutfitters.com/cardiology

2 Learn to spot the symptoms of AFib:
A quivering or fluttering heartbeat A racing and irregular heartbeat Unexplained failigue, Distriness

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#### **SMART Goals**

Specific, Measurable, Attainable, Relevant, Timely

- Choose an appropriate screening strategy to identify patients at risk for NVAF
- Match the screening technology to the patient
- Use appropriate anticoagulation at the appropriate dose in at-risk patients. Don't overestimate the risk of anticoagulation vs the risk of undertreatment
- Consider rhythm control for early intervention
- Engage patients in SDM and reinforce the importance of adherence and persistence

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#### To Ask a Question

Please click on the *Ask Question* tab and type your question. Please include the faculty member's name if the question is specifically for him/her.

CME of

AFTER

THE SHOW

**Questions & Answers** 

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To receive CME/CE credit click on the Evaluations tab to complete the post-test and evaluation online.

Be sure to fill in your ABIM ID number and DOB (MM/DD) on the evaluation so we can submit your credit to ABIM

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#### **CME for MIPS Improvement Activity**

How to Claim this Activity as a CME for MIPS Improvement Activity

- Actively participate by responding to ARS questions and/or asking the faculty questions
- Complete activity post-test and evaluation at the link provided
- Over the next 90 days, actively work to incorporate improvements in your clinical practice from this presentation
- Complete the follow-up survey from CME Outfitters in

approximately 3 months

CME Outfitters will send you confirmation of your participation to submit to CMS attesting to your completion of a CME for MIPS Improvement Activity

CME : MIPS



#### Visit the **Cardiology Hub**

Free resources for clinicians and patients on atrial fibrillation and other cardiology topics

https://www.cmeoutfitters.com/cardiology

CME SE Outlitters



### **Attendance Form for Groups**

Please complete and FAX to 614.929.3600

Activity Title and Faculty:

# Keeping the Beat: Screening and Management of High-Risk Patients with Non-Valvular Atrial Fibrillation

with Deepak L. Bhatt, MD, MPH, FACC, FAHA, FSCAI, FESC (Co-Moderator); Christopher P. Cannon, MD (Co-Moderator); Margot Savoy, MD, MPH, FAAFP, FABC, CPE, CMQ, FAAPL

Site/Institution Name:									
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