



Twenty Ninth Annual International AF Symposium 2024

February 1-3, 2024

Jointly provided by Postgraduate Institute for Medicine and Advanced Medical Education

**This activity is supported by independent educational grants from:
Boston Scientific, Biosense Webster, Medtronic, Abbott**

Target Audience

This activity has been designed to meet the educational needs of cardiologists, internists, fellows, physician assistants, registered nurses, nurse practitioners, and other medical professionals involved in the care of patients with atrial fibrillation.

Educational Objectives

After completing this activity, the participant should be better able to:

1. Provide a current review of new information on the clinical science and pathophysiology of atrial fibrillation and atrial fibrillation-related stroke
2. Provide a detailed presentation of the most recent developments in the diagnosis and treatment of atrial fibrillation
3. Discuss the prevention of AF-related stroke and other sequelae, with an emphasis on current and evolving pharmacological and nonpharmacological therapies and enabling new technologies in the field of cardiac electrophysiology
4. Exchange thoughts and techniques with the treatment team to improve the outcome of patient care and treatment
5. Provide appropriate care and counsel for patients and their families through the education of healthcare professionals

Joint Accreditation Statement



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by the Postgraduate Institute for Medicine and Advanced Medical Education. Postgraduate Institute for Medicine 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 Continuing Medical Education

The Postgraduate Institute for Medicine designates this virtual activity for a maximum of 25.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Nursing Education

The maximum number of hours awarded for this Continuing Nursing Education activity is 25.5 contact hours. Pharmacotherapy contact hours for Advanced Practice Registered Nurses will be designated on your certificate.

MOC STATEMENT

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

Disclosure of Conflicts of Interest

Postgraduate Institute for Medicine (PIM) requires faculty, planners, and others in control of educational content to disclose all their financial relationships with ineligible companies. All identified conflicts of interest (COI) are thoroughly vetted and mitigated according to PIM policy. PIM is committed to providing its learners with high quality accredited continuing education activities and related materials that promote improvements or quality in healthcare and not a specific proprietary business interest of an ineligible company.

The faculty reported the following relevant financial relationships with ineligible entities related to the educational content of this CE activity:

Faculty

Amin Al-Ahmad, MD

States the following:

Grant/Research Support: Philips

Speakers Bureau/Honoraria for non-CME: Medtronic, Boston Scientific, Abbott

Consultant/Advisory Board: Siemens, Haemonetics

Non-Mutual funds Stock Ownership/Stock options: E-safe, SoundCath, Supira Medical, Tioga Cardiovascular, Akura Medical, Adona Medical, Laza Medical, DRS Vascular, S4 Medical

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States the following:

Grant/Research Support: Medtronic, Boston Scientific (All have ended)

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States the following:

Speakers Bureau/Honoraria for non-CME: Medtronic, Biosense-Webster, Abbott, Boston Scientific

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States the following:

Grant/Research Support: Biosense & Webster, Atacor Medical Inc., Cardiofocus Inc., Boston Scientific Inc

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Speakers Bureau/Honoraria for non-CME: Boston Scientific, Medtronic, Microport CRM, Philips

Consultant/ Advisory Board: EP Solutions, Cairdac, XSpline, Boston Scietific, Medtronic, Microport CRM, Philips

Tina Baykaner, MD

States the following:

Grant/Research Support: NIH

Speakers Bureau/Honoraria for non-CME: Medtronic

Consultant/ Advisory Board: PaceMate

Jared Bunch, MD

States the following:

Consultant/Advisory Board: Altathera, Atricure - no compensation received

Hugh Calkins, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Boston Scientific, Medtronic

Consultant/Advisory Board: Abbott, Biosense, Medtronic, Boston Scientific

Minglong Chen, MD

States the following:

Employee/Owner: The First Affiliated Hospital of Nanjing Medical University

Grant/Research Support: Research grant (IIS 476) from Biosense Webster, Irvine, CA, USA

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Speakers Bureau/Honoraria for non-CME: Biotronik, Medtronic, Abbott, Biosense-Webster

Consultant/Advisory Board: Biotronik, Medtronic, Abbott, Biosense-Webster

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States the following:

Consultant/Advisory Board: Medtronic, Boston Sci

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States the following:

Grant/Research Support: Abbott, Biosense Webster, Boston Scientific

Consultant/Advisory Board: Abbott, Boston Scientific

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States the following:

Speakers Bureau/Honoraria for non-CME: Boston Scientific, Abbott, Kardium

Consultant/Advisory Board: Boston Scientific

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States the following:

Speakers Bureau/Honoraria for non-CME: Biosense Webster

Consultant/Advisory Board: Adagio Medical, Volta Medical

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States the following:

Grant/Research Support: Abbott Medical

Speakers Bureau/Honoraria for non-CME: Abbott, Biosense-Webster, Boston Scientific, BMS, Volta

Consultant/Advisory Board: Volta

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States the following:

Speakers Bureau/Honoraria for non-CME: Medtronic, Boston Scientific, Atricure

Consultant/Advisory Board: Boston Scientific

Thomas Deneke, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Biotronik, Abbott, Galaxy med

Consultant/Advisory Board: Farapulse, InHeart

Aneesh Deoras has nothing to disclose

Luigi Di Biase, MD, PhD

States the following:

Consultant/Advisory Board: STEREOTAXIS, MEDTRONIC, BIOTRONIK, I-RHYTHM MANAGEMENT, ZOLL, ABBOTT MEDICAL, BOSTON SCIENTIFIC

Jun Dong, MD has nothing to disclose

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States the following:

Consultant/Advisory Board: Abbott, Biosense Webster, Boston Scientific, Conformal, Galaxy Medical (ended)

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States the following:

Consultant/Advisory Board: Biosense Webster

Non-Mutual funds Stock Ownership/Stock options: Manual Surgical Sciences

Other financial or material support: Boston Scientific (payments for Farapulse acquisition)

Mattias Duytschaever, MD, PhD has nothing to disclose.

Ken Ellenbogen, MD has nothing to disclose.

Christopher Ellis, MD

States the following:

Grant/Research Support: Boehringer-Ingelheim, Medtronic, Boston Scientific

Consultant/Advisory Board: Medtronic, Abbott Medical, Boston Scientific, Atricure

Andrew Farb, MD has nothing to disclose

James Freeman, MD

States the following:

Grant/Research Support: NHLBI, American College of Cardiology NCDR

Consultant/Advisory Board: Boston Scientific, Biosense Webster, Abbott, Medtronic, PaceMate

Non-Mutual funds Stock Ownership/Stock options: PaceMate

Edward Gerstenfeld, MD

States the following:

Grant/Research Support: Abbott medical, Biosense-Webster, Adagio Medical

Speakers Bureau/Honoraria for non-CME: Abbott Medical, Biosense-Webster, Boston Scientific, Medtronic

Consultant/Advisory Board: Biosense Webster, Abbott Medical, Boston Scientific, Adagio medical

Melanie Gunawardene, MD

States the following:

Grant/Research Support: Boston Scientific, Abbott, Biotronik , Biosense Webster

Speakers Bureau/Honoraria for non-CME: Boston Scientific, Abbott, Medtronic, Biotronik

Consultant/Advisory Board: Boston Scientific, Abbott, Medtronic, Lumavision, Emmar

David Haines, MD

States the following:

Grant/Research Support: Medtronic(ended), Ablacon, Cardiofocus

Speakers Bureau/Honoraria for non-CME: Medtronic, Ablacon, Haemonetics

Consultant/Advisory Board: Medtronic, Biosense Webster, Boston Scientific, Ablacon, Cardiofocus, Zoll

Non-Mutual funds Stock Ownership/Stock options: Cortex, Cardiofocus

Kevin Heist, MD, PhD

States the following:

Consultant/Advisory Board: Biotronik, Boston Scientific, Future Cardia, Pfizer(ended)

Gerhard Hindricks, MD, PhD has nothing to disclose

Meleze Hocini, MD

States the following:

Consultant/Advisory Board: Biosense Webster

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States the following:

Consultant/Advisory Board: Biosense Webster, Abbott, Boston Scientific

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States the following:

Grant/Research Support: Abbott, Medtronic

Speakers Bureau/Honoraria for non-CME: Bayer(ended)

Consultant/Advisory Board: Anthos

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States the following:

Grant/Research Support: BSC/BW/MDT/ABBOTT

Speakers Bureau/Honoraria for non-CME: BSC/MDT

Non-Mutual funds Stock Ownership/Stock options: AFFERA(ended)

Jonathan Kalman, MD

States the following:

Grant/Research Support: Medtronic inc, Abbott inc, Biosense Webster, Zoll inc

Consultant/Advisory Board: Abbott inc

David Keane, MD, PhD

States the following:

Consultant/Advisory Board: Biosense Webster

Shaan Khurshid, MD, MPH has nothing to disclose

Young-Hoon Kim, MD, PhD has nothing to disclose

Bradley Knight, MD

States the following:

Grant/Research Support: Abbott, Biosense Webster, Boston Scientific, Medtronic

Consultant/Advisory Board: Abbott, AltaThera, Atraverse, AtriCure, Biosense Webster, Biotronik, Boston Scientific, CVRx, Medtronic, Sanofi

Non-Mutual funds Stock Ownership/Stock options: Atraverse

Jacob Koruth, MD

States the following:

Grant/Research Support: Pulse biosciences, Cardiofocus, Field Medical

Consultant/Advisory Board: Biosense Webster, Field Medical, Abbott, cardiofocus, Pulse Biosciences, Medtronic, Boston scientific

Non-Mutual funds Stock Ownership/Stock options: Field Medical, Affera, Farapulse

Dhanunjaya Lakkireddy, MD has nothing to disclose

Laurent Macle, MD

States the following:

Grant/Research Support: Biosense-Webster, Medtronic, Servier

Speakers Bureau/Honoraria for non-CME: Biosense-Webster, Abbott

Consultant/Advisory Board: Biosense-Webster

Moussa Mansour, MD

States the following:

Grant/Research Support: Biosense Webster, Boston Scientific, Medtronic

Consultant/Advisory Board: Boston Scientific, Biosense Webster, Abbott, Medtronic, Siemens Novartis, Janssen, Boehringer Ingelheim, Pfizer, Sentreheart/Atricure;

Non-Mutual funds Stock Ownership/Stock options: NewPace Ltd, EPD-Philips (divested)

Francis Marchlinski, MD

States the following:

Grant/Research Support: Biosense Webster(ended)

Consultant/Advisory Board: Abbott Medical; BioMarin Pharmaceutical Inc.; Biosense Webster, Biotronik, Boston Scientific, Medtronic

Non-Mutual funds Stock Ownership/Stock options: Anumana

Nassir Marrouche, MD

States the following:

Employee/Owner: founder of Marrek

Grant/Research Support: Abbott, Medtronic, Biosense Webster, Siemens, GE, Boston Scientific, Sanofi and Samsung

Speakers Bureau/Honoraria for non-CME: Abbott, Biosense Webster, AtriCure and Sanofi

Consultant/Advisory Board: Biosense Webster, Boston Scientific and AtriCure

Non-Mutual funds Stock Ownership/Stock options: previous shareholder of Cardiac Designs

Patent Holder/ Royalties paid to you: a patent issued for MRI fibrosis imaging

Other financial or material support: family member as the CEO of Cardiac Designs

Andreas Metzner, MD

States the following:

Grant/Research Support: Biosense Webster

Speakers Bureau/Honoraria for non-CME: Medtronic, Boston Scientific, Bristol Myers Squibb(ended), Haemonetics(ended)

Consultant/Advisory Board: Haemonetics(ended), Medtronic

Gregory Michaud, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Abbott, Biosense-Webster

Consultant/Advisory Board: Abbott, Biosense-Webster, Boston-Scientific

Devi Nair, MD

States the following:

Grant/Research Support: Medtronic, Abbott, Boston Scientific, Biosense Webster, Adagio, Kardium, Laminar , Seimens, GE

Speakers Bureau/Honoraria for non-CME: Medtronic, Abbott, Boston Scientific, Biosense Webster, Adagio, Kardium, Laminar , Seimens, GE

Consultant/Advisory Board: Medtronic, Abbott, Boston Scientific, Biosense Webster, Seimens

Non-Mutual funds Stock Ownership/Stock options: S4 medical, Atraverse

Hiroshi Nakagawa, MD

States the following:

Grant/Research Support: Biosense Webster, Inc

Speakers Bureau/Honoraria for non-CME: Biosense Webster, Inc., Abbott, Inc., Bristol Myers, Inc.

Consultant/Advisory Board: Biosense Webster, Inc., Abbott, Inc., Japan Lifeline, Ltd., Fukuda Denshi, Ltd., Galavanize Therapeutics, Inc., Stereotaxis, Inc.

Andrea Natale, MD

States the following:

Consultant/Advisory Board: Consultant: Abbott, BWI, BSCI, Biotronik, iRhythm

Petr Neuzil, MD

States the following:

Grant/Research Support: CIRCA Scientific, Medtronic, Abbott, BSCI, Biosense-Webster,BTL, Pulse Biosciences

Consultant/Advisory Board: BSCI, Biosense-Webster, Medtronic, Abbott, BTL

Kars Neven, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Biosense Webster, Biotronik

Consultant/Advisory Board: Boston Scientific, LifeTech Scientific

Non-Mutual funds Stock Ownership/Stock options: Field Medical

David Newton, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Biosense-Webster, Atricure

Consultant/Advisory Board: Biosense-Webster, Atricure

MingMing Ning, MD has nothing to disclose

Jose Osorio, MD

States the following:

Employee/Owner: HRCRS

Grant/Research Support: Biosense-Webster, Abbott, Boston Scientific

Speakers Bureau/Honoraria for non-CME: Biosense-Webster, Abbott, Boston Scientific
Consultant/Advisory Board: Biosense-Webster, Abbott, Boston Scientific

Saumil Oza, MD

States the following:

Grant/Research Support: Boston Scientific

Speakers Bureau/Honoraria for non-CME: AtriCure, Biosense Webster, Volta

Non-Mutual funds Stock Ownership/Stock options: Heart Rhythm Clinical Research Solutions, PaceMate

Douglas Packer, MD

States the following:

Dr. D. Packer in the past 24 months has provided consulting services for Biosense Webster, Inc., Boston Scientific, CyberHeart, Medtronic, Inc., nContact, Sanofi-Aventis, St. Jude Medical, and Volta Medical, Neutrace. Dr. Packer received no personal compensation for these consulting activities. (SAB}

Dr. Packer receives research funding from the NIH, (CABANA UOI); R44 Durablate Clinical trial); Medtronic, Inc., Cryo Cath, Siemens AG, EP Limited, University of Minnesota, Biosense Webster, Inc. Boston Scientific. (Grants}

Mayo Clinic and Drs. D. Packer and R. Robb have a financial interest in mapping technology that may have been used at some of the 10 centers participating in CABANA. In accordance with the Bayh-Dole Act, this technology has been licensed to St. Jude Medical, Abbott, and Mayo Clinic and Drs. Packer and Robb received annual royalties >\$10,000, the federal threshold for significant financial interest; EBA Med Licensing Agreement. (IP}

Rod Passman, MD

States the following:

Royalty: Up To Date

Consultant/Advisory Board: Medtronic, Abbott, Johnson & Johnson

Contracted Research: Abbott, AHA

Jonathan Piccini, MD

States the following:

Grant/Research Support: Abbott, AHA, Boston Scientific, iRhythm, and Philips

Consultant/Advisory Board: ABVF, Abbott, Abbvie, Boston Scientific, Element Science, ElectroPhysiology Frontiers, Kardium, Medtronic, Milestone, Sanofi, Pacira, Philips, and Up-to-Date

Anil Rajendra, MD

States the following:

Grant/Research Support: Biosense Webster, Abbott

Speakers Bureau/Honoraria for non-CME: Biosense Webster, Abbot, Boston Scientific

Vivek Reddy, MD

States the following:

I have these disclosures: Abbott (Consultant), Ablacon (Consultant, Equity), Acutus Medical (Consultant, Equity), Affera-Medtronic (Consultant, Equity), Anumana (Consultant, Equity), Apama Medical-Boston Scientific (Consultant, Equity), APN Health (Consultant, Equity), Aquaheart (Consultant, Equity), Atacor (Consultant, Equity), AtiAN (Consultant), Autonomix (Consultant, Equity), Axon Therapies (Consultant, Equity), Backbeat (Consultant, Equity), BioSig (Consultant, Equity), Biosense-Webster (Consultant), BioTel Heart (Consultant), Biotronik (Consultant), Boston Scientific (Consultant), Cairdac (Consultant), CardiaCare (Consultant, Equity), Cardiofocus (Consultant, Equity), Cardionomic (Consultant), CardioNXT / AFTx (Consultant, Equity), Circa Scientific (Consultant, Equity), CoreMap (Consultant), CoRISMA (Consultant, Equity), Corvia Medical (Consultant, Equity), Dinova-Hangzhou DiNova EP Technology (Consultant, Equity), DRS Vascular (Equity), East End Medical (Consultant, Equity), EPD-Philips (Consultant, Equity), EP Frontiers (Consultant, Equity), Epix Therapeutics-Medtronic (Consultant, Equity), EpiEP (Consultant, Equity), Eximo (Consultant, Equity), Farapulse-Boston Scientific (Consultant, Equity), Field Medical (Consultant, Equity), Fire1 (Consultant), Focused Therapeutics (Consultant, Equity), Gore & Associates (Consultant), HRT (Consultant, Equity), Impulse Dynamics (Consultant), Intershunt (Consultant, Equity), Javelin (Consultant, Equity), Kardium (Consultant, Equity), Keystone Heart (Consultant, Equity), Laminar (Consultant, Equity), LuxMed (Consultant, Equity), Manual Surgical Sciences (Equity), Medlumics (Consultant, Equity), Medtronic (Consultant), Middlepeak (Consultant, Equity), Newpace (Equity), Novartis (Consultant), Novo Nordisk (Consultant), Nuvera-Biosense Webster (Consultant, Equity), Nyra Medical (Equity), Oracle Health (Consultant, Equity), Philips (Consultant), Pulse Biosciences (Consultant, Equity), Restore Medical (Consultant, Equity), Sirona Medical (Consultant, Equity), SoundCath (Consultant, Equity), Surecor (Equity), Valcare (Consultant, Equity) and Vizarmed (Equity).

Jeremy Ruskin, MD

States the following:

This is the correct list:

Consulting Fees/Advisory Boards: Acesion; Advanced Medical Education; InCarda; Janssen; Sanofi; Vertex; Treeline Bio.; Jazz Pharma; Foghorn Therapeutics; Native Cardio; Baim Institute/Lexeo

Ownership Interest stock options: Ablacor; Celero; Element Science; Infobionic; NewPace; Native Cardio. (ENDED: Ablacor & Element Science).

Patent Holder/Royalty: Celero

Donna Ryan, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Novo Nordisk, Lilly

Consulting Fees/Advisory Boards: Altimmune, Amgen, Biohaven, Boehringer Ingelheim, Calibrate, Carmot, CinRX, Epitomee, Fractyl Gila, Lilly, Novo Nordisk, Structure RX, Wondr Health, Xeno Bioscience, Zealand

Non-Mutual funds Stock Ownership/Stock options: Calibrate, Xeno, Ro, Scientific Intake, Epitomee

Walid Saliba, MD

States the following:

Speakers Bureau/Honoraria for non-CME: Boston Scientific / Biosense Webster

Consultant/Advisory Boards: Boston Scientific

Prash Sanders, MD

States the following:

Grant/Research Support: The University of Adelaide has received on Dr Sanders's behalf research funding from Medtronic, Boston-Scientific, Abbott Medical, CathRx and Becton Dickenson

Consultant/Advisory Boards: Advisory Board of: Medtronic, Boston-Scientific, Abbott Medical, CathRx and Pacemate

Other Financial or Material Support:Supported by an Investigator Grant from the National Health and Medical Research Council of Australia

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Consultant/Advisory Boards: Biosense Webster, Medtronic

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States the following:

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Consultant/Advisory Boards: Boston Scientific, Abbott

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Grant/Research Support: Medtronic

Consultant/Advisory Boards: Biosense-Webster, Medtronic, EBR Inc, AltaThera, Attune Medical

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Consultant/Advisory Boards: Nference Inc & Anumana Inc

Non-Mutual funds Stock Ownership/Stock options: Nference Inc & Anumana Inc

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States the following:

Consultant/Advisory Boards: Atraverse, Octagos

Non-Mutual funds Stock Ownership/Stock options: Atraverse, Octagos

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States the following:

Grant/Research Support: Bristol Myers Squibb

Consultant/Advisory Boards: Bristol Myers Squibb; Fitbit (Google); Medtronic; Pfizer
Patent Holder/Royalties paid to you: UpToDate

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Grant/Research Support: Heart Rhythm Society American College of Cardiology Abbott Inc, Biotronik Inc, Boston Scientific, Cardiologs Inc, EBR Inc, Medtronic Inc, SentiAR Inc.

Consultant/Advisory Boards: , Biosense Webster, Boston Scientific, Cardiologs Inc, CVRx Inc, EBR Inc, Impulse Dynamics, Implicit Inc, I-Rhythm Inc, Medtronic Inc, Medscape Inc, Microport Inc., Notal Vision, Orchestra BioMed Inc, Phillips (Bio Tel), Sanofi Inc, Smart Cardia Inc & Vektor Medical Inc.

Non-Mutual funds Stock Ownership/Stock options: Smart Cardia, Orchestra Biomed

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Consultant/Advisory Boards: Abbott, Biosense Webster, Boston Scientific, Medtronic

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Consultant/Advisory Boards: Medtronic, Boston Scientific

Natalia Trayanova, MD has nothing to disclose

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Consultant/Advisory Board: Biosense, Medtronic, Medlumics, Abbott

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States the following:

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Consultant/Advisory Board: Soneira

Non-Mutual funds Stock Ownership/Stock options: Soneira

Other financial or material support: American Heart Association

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Consultant/Advisory Board: Biosense Webster, Boston Scientific

Stephan Willems, MD

States the following:

Grant/Research Support: Boston Scientific

Speakers Bureau/Honoraria for non-CME: Medtronic, Boston Scientific, Bristol Myers Squibb, Abbott

Planners and Managers

The **PIM** planners and managers have nothing to disclose.

The **Advanced Medical Education** planners and managers have nothing to disclose.

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