

Heart Rhythm 2023 Disclosures



Aakash Sheth, MD	No relevant financial relationships with ineligible companies to disclose.
Aamina Shakir, MD	No relevant financial relationships with ineligible companies to disclose.
Aamir Ahmed, MD	No relevant financial relationships with ineligible companies to disclose.
Aaron Kaplan, MD	HRS Disclosures; Organization: Conformal Medical, Inc, Relationship: Intellectual Property Rights, Role: Board Membership, Comments: Founder, Board Member, Chief Medical Officer; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: BSC supportst the 3D symposium; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Supports Annual Symposium, Comments: Medtronic Supprts the 3D Symposium; Organization: Edwards Lifesciences, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Edwards supports the 3D Sympsium
Aaron Richardson, DO, MS	No relevant financial relationships with ineligible companies to disclose.
Aaron Vigdor, MD	No relevant financial relationships with ineligible companies to disclose.
Aarti Dalal, DO	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Invited to teach at a fellow education course in April 2022
Abbas Alshami, MD	No relevant financial relationships with ineligible companies to disclose.
Abdallah Masri, MD	No relevant financial relationships with ineligible companies to disclose.
Abdullah Alissa	No relevant financial relationships with ineligible companies to disclose.
Abhishek Bose, MD	No relevant financial relationships with ineligible companies to disclose.
Abhishek Maan	HRS Disclosures; Organization: Medtronic Bakken Research Center, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: None; Organization: Guidepoint Global Advisors, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Adam Berman, MD, MPH, MSci	No relevant financial relationships with ineligible companies to disclose.
Adam Dennis, MBBS	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research Grant Funding
Adam Devore	HRS Disclosures; Organization: BioFourmis, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Bodyport, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cytokinetics, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: American Regent, Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Novartis, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Story Health, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abiomed, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cardionomic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Innamed, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: LivaNova, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Natera, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Novartis, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: NovoNordisk, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Procyron, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Story Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Vifor, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Adam Guss, DO	No relevant financial relationships with ineligible companies to disclose.
Adelqui Peralta, MD	No relevant financial relationships with ineligible companies to disclose.
Adi Lador, MD	No relevant financial relationships with ineligible companies to disclose.
Adityo Prakosa, PhD	No relevant financial relationships with ineligible companies to disclose.
Adnan Ahmed, MD	No relevant financial relationships with ineligible companies to disclose.
Adolfo Fontenla, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Adrian Elliott, PhD	No relevant financial relationships with ineligible companies to disclose.
Adrian Petzl, MD	No relevant financial relationships with ineligible companies to disclose.

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Adriana Tokich	No relevant financial relationships with ineligible companies to disclose.
Advay Bhatt, MD	No relevant financial relationships with ineligible companies to disclose.
Agam Bansal, MD	No relevant financial relationships with ineligible companies to disclose.
Ahmed Ragab	No relevant financial relationships with ineligible companies to disclose.
Ahran Arnold, MBBS	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: I have received 1000 GBP in the last 12 months for teaching and have attended Medtronic educational courses.
Aileen Ferrick, PhD, ACNP, RN	No relevant financial relationships with ineligible companies to disclose.
Aimee Lee, MS, ACNP, CNS	No relevant financial relationships with ineligible companies to disclose.
Aina Cervera i Barea, DVM, MSci	HRS Disclosures; Organization: Amsterdam University Medical Center, Relationship: Salary from Employment, Role: Research, Comments: None
Aishwarya Pastapur, MD	No relevant financial relationships with ineligible companies to disclose.
Ajay Pillai, MD	No relevant financial relationships with ineligible companies to disclose.
Ajay Sharma, BMBS	No relevant financial relationships with ineligible companies to disclose.
Akash Fichadiya, MD	No relevant financial relationships with ineligible companies to disclose.
Akash Makkar, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Akihiko Nogami, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
AKIKO UEDA, MD	HRS Disclosures; Organization: Abbott Japan, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Affiliation of endowed department by Abbott Japan
Akil Sherif, MD	No relevant financial relationships with ineligible companies to disclose.
Ala Assaf, MD	No relevant financial relationships with ineligible companies to disclose.
Alan Bank, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Intellectual Property Rights, Role: Research; Organization: EBR Systems, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Money goes to our research foundation, MHIF; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Money goes to my employer, Allina Health; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Money goes to our research foundation, MHIF; Organization: EBR Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Alanna Morrison	No relevant financial relationships with ineligible companies to disclose.
Albert Rogers, MBA, MD	HRS Disclosures; Organization: WearLinq Inc., Relationship: Ownership/Partnership/Principal, Role: Membership on Advisory Committees or Review Panels
Albert Sun, MD	HRS Disclosures; Organization: Merit Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting and Educational Course Faculty; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Consulting and Educational Course Faculty; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Albert Y Sun, MD	Honoraria/Speaking/Consulting Fee: Medtronic, Biosense Webster, Inc., Merit Medical Systems
Alberto Ferraz, MD	No relevant financial relationships with ineligible companies to disclose.
Alejandra Zepeda-Echavarria, MSci	No relevant financial relationships with ineligible companies to disclose.
Alejandro Cuesta, MD	No relevant financial relationships with ineligible companies to disclose.
Alejandro Vidal Margenat	No relevant financial relationships with ineligible companies to disclose.
Aleksei Mikhailov, MD	No relevant financial relationships with ineligible companies to disclose.
Aleksei Savelev	No relevant financial relationships with ineligible companies to disclose.
Alessandro De Bortoli, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Alessio Gasperetti, MD	No relevant financial relationships with ineligible companies to disclose.
Alex Adams, DO	No relevant financial relationships with ineligible companies to disclose.

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Alex Choy	No relevant financial relationships with ineligible companies to disclose.
Alex Grubb, MD	No relevant financial relationships with ineligible companies to disclose.
Alex Tan, MD	No relevant financial relationships with ineligible companies to disclose.
Alexander Benz, MD	No relevant financial relationships with ineligible companies to disclose.
Alexander Burashnikov	No relevant financial relationships with ineligible companies to disclose.
Alexander Ivanov, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Alexander Kushnir, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Alexander Maass, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Alexander Sharp, BS, MBBS	HRS Disclosures; Organization: Acutus Medical Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Alexander Turin, MD	No relevant financial relationships with ineligible companies to disclose.
Alexandre Raymond-Paquin, MD	No relevant financial relationships with ineligible companies to disclose.
Alexandru Costea, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Alexios Hadjis, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Ali Oto, MD	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Independent Review Committee for ERISTA, Role: Research; Organization: Medtronic, Relationship: Proctorship Fee, Role: Speaking and Teaching; Organization: Daiichi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: A. Menarini Research and Business Service GmbH, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Alice MALTRET, MD	No relevant financial relationships with ineligible companies to disclose.
Alicia Lundby, PhD	No relevant financial relationships with ineligible companies to disclose.
Allan Skanes, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Allison Cirino, MS, CGC	No relevant financial relationships with ineligible companies to disclose.
Allison Post, PhD	HRS Disclosures; Organization: Maxwell Biomedical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Independent Contractor (including contracted research)
Aloke Finn	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic PLC, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Becton Dickinson, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Concept Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MedAlliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Concept Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: CORDIS – Johnson & Johnson, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Alvise Del Monte, MD	No relevant financial relationships with ineligible companies to disclose.
Amanda Dantas Ferreira Fernandes, MD	No relevant financial relationships with ineligible companies to disclose.
Amanda Shaw	No relevant financial relationships with ineligible companies to disclose.
Amanda Sowell, MSN, RN	No relevant financial relationships with ineligible companies to disclose.
Amardeep Saluja, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Amber Seiler, NP	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: CV Remote Solutions PLC, Relationship: Ownership/Partnership/Principal, Role: Ownership
Amin Al-Ahmad, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Mediasphere Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtelligence, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosig Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting

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Amir AbdelWahab, MBChB, MD, MSci	No relevant financial relationships with ineligible companies to disclose.
Amit Thosani, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Amjad Basheer, MD	No relevant financial relationships with ineligible companies to disclose.
Ammar Killu, MBBS	No relevant financial relationships with ineligible companies to disclose.
Amneet Sandhu, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Amole Ojo, MD	No relevant financial relationships with ineligible companies to disclose.
Amrish Deshmukh, MD	No relevant financial relationships with ineligible companies to disclose.
Amy Kleinhans, DNP, NP	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Amy Tucker, MSN, RN	HRS Disclosures; Organization: Biotronik, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Ana Ana Morales	No relevant financial relationships with ineligible companies to disclose.
ANA GONZALES LUNA	No relevant financial relationships with ineligible companies to disclose.
Ana Isabel Moreno Manuel, MSci	No relevant financial relationships with ineligible companies to disclose.
Ana Ongtengco	No relevant financial relationships with ineligible companies to disclose.
Ana Rita Bello	No relevant financial relationships with ineligible companies to disclose.
Anand Ganesan, MBBS	No relevant financial relationships with ineligible companies to disclose.
Anand Yadav Pasula, MBBS, MD, CCP	No relevant financial relationships with ineligible companies to disclose.
Anas Abudan	No relevant financial relationships with ineligible companies to disclose.
Andre Carmo, MD	No relevant financial relationships with ineligible companies to disclose.
Andre d'Avila, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Andre Gauri, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Andre Rodrigues Pontes Briosa e Gala, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Travel/Entertainment, Role: Speaking and Teaching, Comments: EHRA 2022 Congress
Andrea Di Marco	No relevant financial relationships with ineligible companies to disclose.
Andrea Ghiroldi	No relevant financial relationships with ineligible companies to disclose.
Andrea Natale, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Andrea Robinson, MSN, ACNP	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Andrea Russo, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: All support to hospital (none to PI); Organization: MediLynx, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Funding to hospital (not to PI); Organization: UpToDate, Inc., Relationship: Royalty Income, Role: Writing/editing; Organization: Kestra, Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Funding to hospital (not to PI); Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Consulting, Role: Research Steering Committee/Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pacemate, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Andreas Boehmer, MD	No relevant financial relationships with ineligible companies to disclose.

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Andreas Pflaumer, MD	HRS Disclosures; Organization: Navi medical systems, Relationship: Stock Options – Privately Held (including start-up companies), Role: Membership on Advisory Committees or Review Panels, Comments: Options only , Startup
Andredi Pumarejo	No relevant financial relationships with ineligible companies to disclose.
Andrés Miranda-Arboleda, MD	No relevant financial relationships with ineligible companies to disclose.
Andreu Porta-Sanchez, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Travel/Entertainment, Role: Research; Organization: Abiacon, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: MEDX Accelerator, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Andrew Andreae, MD	No relevant financial relationships with ineligible companies to disclose.
Andrew Epstein, MD	HRS Disclosures; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Committee hasn't met during COVID; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Events Committees; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Events committees, Cyber Advisory Board; Organization: Altathera, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Andrew Farb, MD	No relevant financial relationships with ineligible companies to disclose.
Andrew Glazer, PhD	No relevant financial relationships with ineligible companies to disclose.
Andrew Headrick, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Andrew Krahn, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: This relationship is currently not active because of anticipated President Elect role, last encounter February 2021
Andrew Krumerman	No relevant financial relationships with ineligible companies to disclose.
Andrew Landstrom, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Andrew Lin, MD	No relevant financial relationships with ineligible companies to disclose.
Andrew Locke, MD	No relevant financial relationships with ineligible companies to disclose.
Andrew Mardell, BSN, CCRN, RN	No relevant financial relationships with ineligible companies to disclose.
Andrew Maul, MBA, MD	No relevant financial relationships with ineligible companies to disclose.
Andrew Radtke	HRS Disclosures; Organization: Medtronic, Relationship: Salary from Employment, Role: Employment
Andrew Volio	No relevant financial relationships with ineligible companies to disclose.
Andy Lo, PhD	No relevant financial relationships with ineligible companies to disclose.
Aneeq Malik, MD	No relevant financial relationships with ineligible companies to disclose.
Aneesh Dhole, MD	No relevant financial relationships with ineligible companies to disclose.
Aneesh Tolat, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Investigator initiated research grant
Angela Tsiperfal, ACNP	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Angelo B. Biviano, MD, MPH, FHRS	Honoraria/Speaking/Consulting Fee: Biosense Webster, Inc., Boston Scientific
Angelo Biviano, MD, MPH	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Total for past two years.; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Total for past two years.
Anica Bulic, MBChB	No relevant financial relationships with ineligible companies to disclose.
Anika Sophie Beierle	No relevant financial relationships with ineligible companies to disclose.
Aniket Zinzuwadia, BA	No relevant financial relationships with ineligible companies to disclose.
Anil Gehi, MD	HRS Disclosures; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol Myers Squibb Foundation Diverse Clinical Investigator Career Development, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research

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Anil Rajendra, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: AtriCure, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Anila Rao, DO	No relevant financial relationships with ineligible companies to disclose.
Anindya Ghosh, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
Anis John Kadado	No relevant financial relationships with ineligible companies to disclose.
Ankit Mahajan, MD	No relevant financial relationships with ineligible companies to disclose.
Ann Garlitski, MD, MS	HRS Disclosures; Organization: Cohere Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Salary from Employment, Role: Employment
Anna Maria Vella, MD	No relevant financial relationships with ineligible companies to disclose.
Anna Pfenniger, MD, PhD	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Annabelle Volgman, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Advisory board; Organization: Novartis, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Anne Curtis, MD	HRS Disclosures; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Milestone Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Eagle Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Anne Dubin, MD	HRS Disclosures; Organization: UpToDate, Inc., Relationship: Royalty Income, Role: royalty for article
Anne Kroman, DO, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Anne Meyer, APRN	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Annika Winbo, PhD	No relevant financial relationships with ineligible companies to disclose.
Anshul Gupta, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Anthony Aizer, MD, MS	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Senteheart, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Anthony Mazzella, MD	No relevant financial relationships with ineligible companies to disclose.
Anthony McCanta, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Anthony Tang, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Anthony Trela, MSN, CPNP, RN	No relevant financial relationships with ineligible companies to disclose.
Antoni Ivorra	HRS Disclosures; Organization: Medlumics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Antonio Dello Russo, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Anuradha Kalyanasundaram, MS, PhD	No relevant financial relationships with ineligible companies to disclose.
Anvi Raina, MD	No relevant financial relationships with ineligible companies to disclose.
Aparna Sajja, MD	No relevant financial relationships with ineligible companies to disclose.
Apoor Gami, MD, MS	HRS Disclosures; Organization: CardioFocus, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Apoor Patel, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Apostolos Tsimploulis, MD	No relevant financial relationships with ineligible companies to disclose.

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April Watkins, DNP, APRN, CNS	No relevant financial relationships with ineligible companies to disclose.
Apurba Chakrabarti, MD	No relevant financial relationships with ineligible companies to disclose.
Arash Aryana, MD, PhD	HRS Disclosures; Organization: Sirona Medical Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Teaching course; Organization: Janssen Pharmaceuticals, Relationship: Speakers' Bureau, Role: Speaking and Teaching
Ardan Saguner, MD	HRS Disclosures; Organization: Gilead Sciences, Inc., Relationship: Stock Options – Publicly Traded, Role: Ownership; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: BMS / Pfizer Alliance, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Novartis, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: StrideBio, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Ari Mandler, MD	No relevant financial relationships with ineligible companies to disclose.
Armen A. Kocharian, MD	No relevant financial relationships with ineligible companies to disclose.
Arsalan Derakhshan	No relevant financial relationships with ineligible companies to disclose.
Arshad Muhammad Iqbal, MD	No relevant financial relationships with ineligible companies to disclose.
Arthur Wilde, MD, PhD	HRS Disclosures; Organization: LQT Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: started in 2020; Organization: Cydan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: started in 2020; Organization: ARMGO Pharma, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: will start in 2022
Artur Fedorowski, MD, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: consultancy fee/ speaker fee; Organization: Finapres Medical Systems B.V., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Argenx, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer/BMS, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Arun Gopi, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
Arun Raghav Sridhar, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Arunashis Sau, MBBS	No relevant financial relationships with ineligible companies to disclose.
Arvind Sridhar, BS, MS	No relevant financial relationships with ineligible companies to disclose.
Arwa Younis, MD	No relevant financial relationships with ineligible companies to disclose.
Asad Khan, MD	No relevant financial relationships with ineligible companies to disclose.
Ashkan Ehdaie, MD	No relevant financial relationships with ineligible companies to disclose.
Ashley Burch, PhD	HRS Disclosures; Organization: Zoll Medical Corporation, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Ashwin Bhaskaran, MBBS, MSci	No relevant financial relationships with ineligible companies to disclose.
Atsuhiko Yagishita, MD	No relevant financial relationships with ineligible companies to disclose.
Atul Verma, MD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Thermedical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Adagio Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Kardium, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Galaxy Medical, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Atul Verma, MD, FHRS	Honoraria/Speaking/Consulting Fee: Biosense Webster, Inc., Bayer Healthcare Pharmaceuticals, Medtronic, Thermedical, Kardium, Galaxy Medical, Inc., Research (Contracted Grants for PIs and Named Investigators Only): Adagio Medical
Audrey Dionne, MD	No relevant financial relationships with ineligible companies to disclose.
Audrey Uy-Evanado, MD	No relevant financial relationships with ineligible companies to disclose.
Avi Fischer, MD	HRS Disclosures; Organization: Orchestra Biomed, Relationship: Salary from Employment, Role: Employment
Ayan Abdrakhmanov, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Ayesha Shaik, MD	No relevant financial relationships with ineligible companies to disclose.
Ayman Hussein, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research

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Azeem Rathore, DO	No relevant financial relationships with ineligible companies to disclose.
Balaram Krishna Hanumanthu, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
Bao Nguyen, DO	No relevant financial relationships with ineligible companies to disclose.
Barry London, MD, PhD	HRS Disclosures; Organization: Telethon, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Grant Reviewer
Bastien Guillot	No relevant financial relationships with ineligible companies to disclose.
Beatriz Trenor, DPhil	No relevant financial relationships with ineligible companies to disclose.
Behzad Pavri, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Reimbursement for consulting visit to Medtronic HQ in Minneapolis
Beixin He, MD	No relevant financial relationships with ineligible companies to disclose.
Belinda Gray, MBBS, PhD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Advisory board for mavacamten
Bengt Herweg, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Benjamin Chilcutt	No relevant financial relationships with ineligible companies to disclose.
Benjamin Hammond, MD	No relevant financial relationships with ineligible companies to disclose.
Benjamin Helm, MS	No relevant financial relationships with ineligible companies to disclose.
Benjamin Steinberg, MD, MHS	HRS Disclosures; Organization: AltaThera Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cardiva Medical, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Knowledge to Practice, Relationship: Consultant, Role: Consulting; Organization: Milestone Pharmaceuticals, Relationship: DSMB, Role: Membership on Advisory Committees or Review Panels; Organization: InCarda Therapeutics, Relationship: CED, Role: Membership on Advisory Committees or Review Panels; Organization: Sanofi, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Consulting
Beom Soo Kim, MD	No relevant financial relationships with ineligible companies to disclose.
Bernard Abi-Saleh, MD	No relevant financial relationships with ineligible companies to disclose.
Bernard Harbieh, MD	No relevant financial relationships with ineligible companies to disclose.
Bernard Thibault, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research)
Bert Vandenberk, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Besim Ademi	No relevant financial relationships with ineligible companies to disclose.
Beth Habecker, PhD	No relevant financial relationships with ineligible companies to disclose.
Bettina Cuneo, MD	No relevant financial relationships with ineligible companies to disclose.
Bharat Narasimhan, MD	No relevant financial relationships with ineligible companies to disclose.
Bianca Brundel	No relevant financial relationships with ineligible companies to disclose.
Binaya Basyal, MD	No relevant financial relationships with ineligible companies to disclose.
Bjorn Knollmann, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Blandine Mondesert, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Milestone Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Bob Abeln, MD	No relevant financial relationships with ineligible companies to disclose.
Bode Ensam, MBChB	No relevant financial relationships with ineligible companies to disclose.
Bojjibabu Chidipi, PhD	No relevant financial relationships with ineligible companies to disclose.

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Boldizsar Kovacs, MD	No relevant financial relationships with ineligible companies to disclose.
Boris Schmidt, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: CardioFocus, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Farapulse, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Boyoung Joung, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Bradley Knight, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: CVRx Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Bradley Pitman	HRS Disclosures; Organization: CathRx, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Brahim Redouane, MD	No relevant financial relationships with ineligible companies to disclose.
Bram Hunt, BS, MS	No relevant financial relationships with ineligible companies to disclose.
Brandon Doty, RN	No relevant financial relationships with ineligible companies to disclose.
Brendan Burke, DO	No relevant financial relationships with ineligible companies to disclose.
Brennan Ballantyne, MD	No relevant financial relationships with ineligible companies to disclose.
Brett Atwater, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Eli Lilly, Relationship: Salary from Employment, Role: Employment
Brett Gidney, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Janssen Pharmaceuticals, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: General Electric, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Travel/Entertainment, Role: Speaking and Teaching
Brian Olshansky, MD	HRS Disclosures; Organization: AstraZeneca, Relationship: DSMB member, Role: Membership on Advisory Committees or Review Panels, Comments: DSMB member
Brian Wisnoskey, BSE, PhD	HRS Disclosures; Organization: Abbott, Relationship: Salary from Employment, Role: Employment
Brianna Brian, PharmD	No relevant financial relationships with ineligible companies to disclose.
Briauna Hawthorne	No relevant financial relationships with ineligible companies to disclose.
Bridget Lee	No relevant financial relationships with ineligible companies to disclose.
Brittney Murray, MS	HRS Disclosures; Organization: My Gene Counsel, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Brototo Deb, MD	No relevant financial relationships with ineligible companies to disclose.
Bruce Ferraro, MD	No relevant financial relationships with ineligible companies to disclose.
Bruce Ito	No relevant financial relationships with ineligible companies to disclose.
Bruce Koplan, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Bruce Wilkoff, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: consulting and speaking and research; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Speaking, Consulting, Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting and Speaking and Research; Organization: Xcardia, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Convatech Group, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Bryan Baranowski, MD	No relevant financial relationships with ineligible companies to disclose.
Brynn Dechert-Crooks, APN	No relevant financial relationships with ineligible companies to disclose.

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Bulent Gorenek, MD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Roche Diagnostics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Sandoz, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Buntheng LY, MSci	No relevant financial relationships with ineligible companies to disclose.
Byron Lee, MD	HRS Disclosures; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Calambur Narasimhan, MD	HRS Disclosures; Organization: St. Jude Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: speaker, Comments: speaker
Calvin Craig	No relevant financial relationships with ineligible companies to disclose.
Camelle Jones, FNP	No relevant financial relationships with ineligible companies to disclose.
Camille Frazier-Mills, MD, MHS	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership, Comments: DEI Board
Cara N. Pellegrini, MD, FHRS	Honoraria/Speaking/Consulting Fee: Jazz Pharmaceuticals, Abbott, Biosense Webster, Inc., Cook Medical, Inc.
Cara Pellegrini, MD	HRS Disclosures; Organization: Jazz Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Taught at fellows course; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Will speak at upcoming fellows' session.
Carissa Pistilli, MSN	No relevant financial relationships with ineligible companies to disclose.
Carlo de Asmundis, MD, PhD	HRS Disclosures; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Carlos Lopez, MD	No relevant financial relationships with ineligible companies to disclose.
Carlos Matos, MD	No relevant financial relationships with ineligible companies to disclose.
Carlos Morillo, MD	HRS Disclosures; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Novartis, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Carlos Patino, MD	No relevant financial relationships with ineligible companies to disclose.
Carlos Santos-Gallego	No relevant financial relationships with ineligible companies to disclose.
Carmel Ashur, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Carola Gianni	No relevant financial relationships with ineligible companies to disclose.
Carolina Hoyos-Ochoa, MD	No relevant financial relationships with ineligible companies to disclose.
Carolina Lemes	No relevant financial relationships with ineligible companies to disclose.
Caroline H Roney, PhD	No relevant financial relationships with ineligible companies to disclose.
Caroline Roney, PhD	No relevant financial relationships with ineligible companies to disclose.
Caroline Scherer	No relevant financial relationships with ineligible companies to disclose.
Carolyna Yamamoto Alves Pinto, BSBE	No relevant financial relationships with ineligible companies to disclose.

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Carsten Israel, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Berlin-Chemie AG/Menarini, Berlin, Germany, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Daiichi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Sorin Group, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MicroPort Scientific Corporation, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Carsten Jungbauer	No relevant financial relationships with ineligible companies to disclose.
Carsten Lennerz, MD, MSci	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol-Myers Squibb GmbH & Co. KGaA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Cathy Ong Ly, BS	No relevant financial relationships with ineligible companies to disclose.
Celine Fiset, BPharm, PhD	No relevant financial relationships with ineligible companies to disclose.
Cemantna Lane, BS, MS	No relevant financial relationships with ineligible companies to disclose.
Chad Gier	No relevant financial relationships with ineligible companies to disclose.
Chadi Tabaja, MD	No relevant financial relationships with ineligible companies to disclose.
Chalese Richardson-Olivier, MD	No relevant financial relationships with ineligible companies to disclose.
Chandramohan Meenakshisundaram	No relevant financial relationships with ineligible companies to disclose.
Changxin Lai, BS	No relevant financial relationships with ineligible companies to disclose.
Charbel Noujaim, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Charl Khalil, MD	No relevant financial relationships with ineligible companies to disclose.
Charles Berul, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: PeriCor, LLC, Relationship: Ownership/Partnership/Principal, Role: Management Position
Charles Butcher, MBBS, PhD	No relevant financial relationships with ineligible companies to disclose.
Charles Henrikson, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Charles Love, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Sponsored research to Johns Hopkins. No personal financial benefit; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Charles Sillett, MSci	HRS Disclosures; Organization: Siemens, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Charles Swardlow, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Approximate amount
Charles-Alexandre LeBlanc, MSci	No relevant financial relationships with ineligible companies to disclose.
Chen Lin, PhD	No relevant financial relationships with ineligible companies to disclose.
Chen Wei, MBA	No relevant financial relationships with ineligible companies to disclose.
Cheyenne Beach, MD	No relevant financial relationships with ineligible companies to disclose.
Chi Keong Ching, MBBS	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Chi Zhang, MD	No relevant financial relationships with ineligible companies to disclose.

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Chiara Valeriano	No relevant financial relationships with ineligible companies to disclose.
Chih-Hsien Lin, MSci	No relevant financial relationships with ineligible companies to disclose.
Chih-Min Liu, MD	No relevant financial relationships with ineligible companies to disclose.
Chin-Yu Lin, MD	No relevant financial relationships with ineligible companies to disclose.
Chisato Ota	No relevant financial relationships with ineligible companies to disclose.
Chockalingam Narayanan, MD	No relevant financial relationships with ineligible companies to disclose.
Chris Cooper, RN	No relevant financial relationships with ineligible companies to disclose.
Christian de Chillou, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Christian Heeger, MD	HRS Disclosures; Organization: Medtronic, Relationship: Travel/Entertainment, Role: Research; Organization: CardioFocus, Inc., Relationship: Travel/Entertainment, Role: Research; Organization: Biosense Webster, Inc., Relationship: Travel/Entertainment, Role: Research
Christian Toquica Gahona, MD	No relevant financial relationships with ineligible companies to disclose.
Christina Magnelli-Reyes, BSN, RN	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Salary from Employment, Role: Employment; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Christina Tsai, MD	No relevant financial relationships with ineligible companies to disclose.
Christine Albert, MD, MPH	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I am PI of a grant to BWH; Organization: Roche Diagnostics, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: PI of Research grant administered to BWH; Organization: St. Jude Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: PI of Research grant administered through BWH
Christophe Leclercq, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research
Christopher Barrett, MD	No relevant financial relationships with ineligible companies to disclose.
Christopher Baugh	HRS Disclosures; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Roche Diagnostics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: InCarda Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Christopher Cheung, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Christopher Ellis, MD	HRS Disclosures; Organization: Boehringer Ingelheim, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: To Vanderbilt University for DEA-LAA study; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: To Vanderbilt University as coordinating center for ENVELOPE randomized trial; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Physician advisory board for LAA closure Physician proctor for Watchman LAAC implantation; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Amulet IDE imaging review for LAA complications Amulet global procedural safety committee
Christopher F. Liu, MD, FHRS	No relevant financial relationships with ineligible companies to disclose.
Christopher Gasparis	No relevant financial relationships with ineligible companies to disclose.
Christopher Janson, MD	No relevant financial relationships with ineligible companies to disclose.
Christopher Kowalewski	No relevant financial relationships with ineligible companies to disclose.
Christopher Latanich, BS, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Christopher Liu, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Christopher Lowery, MD	No relevant financial relationships with ineligible companies to disclose.
Christopher Rinaldi, MBBS, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: RESEARCH FUNDING; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: RESEARCH FUNDING; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: LivaNova, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: EBR Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Spectranetics Corporation, Relationship: Speakers' Bureau, Role: Speaking and Teaching
Christopher Sipala, MSN, CRNP	No relevant financial relationships with ineligible companies to disclose.

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Christopher Woods, MD, PhD	HRS Disclosures; Organization: Abbott Medical, Relationship: Travel/Entertainment, Role: Consulting
Chukwukadibia Ibecheozor, MD	No relevant financial relationships with ineligible companies to disclose.
Chu-Pak Lau, MD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Steering committee member to supervise a clinical study on an ablation catheter for atrial fibrillation
Cicely Dye, MD	No relevant financial relationships with ineligible companies to disclose.
Ciorsti MacIntyre, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Speaker at fellow education course; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Claire Newlon, MD	No relevant financial relationships with ineligible companies to disclose.
Claire Sorensen	No relevant financial relationships with ineligible companies to disclose.
Claudio Tondo, MD, PhD, DPhil	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Cliff Robinson, MD	HRS Disclosures; Organization: Varian Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Varian Medical Systems, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Varian Medical Systems, Relationship: Intellectual Property Rights, Role: Licensed IP, Comments: Varian licensed 2 patents from University on which I am a co-inventor.; Organization: Radialogica, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Quantaras, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Radialogica, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: EMD Sorena, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Clinton Thurber, MD	No relevant financial relationships with ineligible companies to disclose.
Colette Seifer, BCH, MB	No relevant financial relationships with ineligible companies to disclose.
Connie R Bezzina, PhD	No relevant financial relationships with ineligible companies to disclose.
Connor Oates, MD	No relevant financial relationships with ineligible companies to disclose.
Constanze Schmidt, MD	No relevant financial relationships with ineligible companies to disclose.
Corrado De Marco, MDCM	No relevant financial relationships with ineligible companies to disclose.
Cory Tschabrunn, PhD	HRS Disclosures; Organization: Biosig Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Attune Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Acutus Medical Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Circa Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Courtney Jeffery, BSN, MSN, APRN, FNP	No relevant financial relationships with ineligible companies to disclose.
Cristiano Pisani, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Speakers' Bureau, Role: Speaking and Teaching
Cynthia Tracy, MD	No relevant financial relationships with ineligible companies to disclose.
Cyrielle Jajkiewicz, MSci	No relevant financial relationships with ineligible companies to disclose.
Cyrus Hadadi, MD	No relevant financial relationships with ineligible companies to disclose.
Dan Roden, MD	No relevant financial relationships with ineligible companies to disclose.
Dan Wichterle, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Dan Ye, MD	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Royalty Income, Role: Research
Dana Goldense, MS, PAC	No relevant financial relationships with ineligible companies to disclose.
Danah Al-Deiri, MBBS	No relevant financial relationships with ineligible companies to disclose.
Danesh Kella, MBBS	No relevant financial relationships with ineligible companies to disclose.
Dania Kallas, MS	No relevant financial relationships with ineligible companies to disclose.
Daniel Alyesh	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Daniel Banina, MD	No relevant financial relationships with ineligible companies to disclose.

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Daniel Cantillon, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: AirStrip Inc., Relationship: Royalty Income, Role: Rights to Royalties
Daniel Cooper, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Daniel Cortez, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Daniel Friedman, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Merit Medical Systems, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Daniel Gomes	No relevant financial relationships with ineligible companies to disclose.
Daniel Keene, MBChB, MSci, PhD	No relevant financial relationships with ineligible companies to disclose.
Daniel Lancini	No relevant financial relationships with ineligible companies to disclose.
Daniel Levin	No relevant financial relationships with ineligible companies to disclose.
Daniel Lustgarten, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Daniel McBride, MD	No relevant financial relationships with ineligible companies to disclose.
Daniel Morin, MD, MPH	HRS Disclosures; Organization: Boston Scientific, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Adjudication of ICD events for a clinical trial.; Organization: Zoll Medical Corporation, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Speakers' Bureau, Role: Speaking and Teaching
Daniel Musikantow, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Speakers' Bureau, Role: Speaking and Teaching
Daniel Shiff, BS	No relevant financial relationships with ineligible companies to disclose.
Daniel Singer, MD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Fitbit, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Daniel Soto	No relevant financial relationships with ineligible companies to disclose.
Daniel Sykora	No relevant financial relationships with ineligible companies to disclose.
Daniel Varela, MD	No relevant financial relationships with ineligible companies to disclose.
Daniel Wann, MD	No relevant financial relationships with ineligible companies to disclose.
Daniele Muser, BS	No relevant financial relationships with ineligible companies to disclose.
Danish Bawa, MD	No relevant financial relationships with ineligible companies to disclose.
Darius Chapman, BEng	HRS Disclosures; Organization: CathRx, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research, Comments: Consulted to CathRx to help with animal study for catheter development.
Darryl Leong	No relevant financial relationships with ineligible companies to disclose.
Da-Un Chung, MD	No relevant financial relationships with ineligible companies to disclose.
David Birnie, MD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research

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David Callans, MD	HRS Disclosures; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Best Doctors, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Thermedical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosig Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Mediasphere Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Cohere, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Wolters Kluwer, Relationship: author, Role: authorship for UpToDate; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
David Chang, MD	No relevant financial relationships with ineligible companies to disclose.
David Chiang, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
David Chieng, MBBS	No relevant financial relationships with ineligible companies to disclose.
David Duncker, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: CVRx Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
David Filgueiras-Rama, MD, PhD	Nothing Relevant to Disclose
David Frankel, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Stryker, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
David Gonzalez, DO	No relevant financial relationships with ineligible companies to disclose.
David Haines, MD	HRS Disclosures; Organization: Abiomed, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Affera, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Also includes speaking, participation on study steering committee; Organization: Integer - Greatbatch Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
David Hayes, MD	HRS Disclosures; Organization: Biotronik, Relationship: Salary from Employment, Role: Employment
David Jones, PhD	No relevant financial relationships with ineligible companies to disclose.
David Kenigsberg, MD	HRS Disclosures; Organization: CardioFocus, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: mostly proctoring, lecturing on use of laser balloon; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Lecturing on 3D mapping and ablation
David Krummen, MD	HRS Disclosures; Organization: Vektor Medical, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting
David Martin, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
David Martin, MD	No relevant financial relationships with ineligible companies to disclose.

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David McManus, MD, MSci	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Amount \$<25,000.00 in 2019. Field would not allow the < sign. Consulting related to atrial fibrillation screening and detection. \$ was received within the last 12 months for consulting events, including the Anticoagulation Summit in Philadelphia, PA. No further consulting is planned. I remain an active Steering Committee Member for the ongoing GUARD AF screening trial sponsored by Pfizer and BMS. This work is compensated.; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Amount \$<25,000.00 in 2019 (field would not accept the < symbol). Consulting related to atrial fibrillation screening and detection. \$ was received within the last 12 months for consulting events, including an AHA AF Awareness Event. No further consulting is planned. I remain an active Steering Committee Member for the ongoing GUARD AF screening trial sponsored by Pfizer and BMS. This work is compensated.; Organization: Samsung, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Amount is \$<10,000.00 in total; the < is not accepted in the amount field. Consulting related to atrial fibrillation detection approaches using smart devices. No \$ in the last 12 months. The relationship is terminated.; Organization: Boston Biomedical Associates, Relationship: Consulting - Data Safety Monitoring Board, Role: Consulting, Comments: \$25,000.00 in total. Data Safety Monitoring Board Member (1 trial) and Chair (2nd trial). Two ongoing clinical trials. Relationship is active.; Organization: Flexcon, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Amount is \$<10,000.00 in total; < is not accepted in the amount field. Consulting related to atrial fibrillation detection approaches using smart devices. No \$ in the last 12 months. The relationship is terminated.; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Amount is <\$10,000.00 in total; < is not accepted in the amount field. Consulting related to atrial fibrillation detection approaches using smart devices. No \$ in the last 12 months. The relationship is terminated.; Organization: Mobile Sense, Relationship: Honoraria/Speaking/Consulting Fee, Role: Digital Health Expert, Comments: Divested from equity in 2019.; Organization: Boehringer Ingelheim, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Bristol-Myers Squibb, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I am a funded investigator on the SUPPORT-AF and VITAL-AF studies. These studies are clinical trials examining use of electronic and digital health interventions to increase the rate of AC use and AF detection, respectively.; Organization: Philips, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$1,000,000.00; < is not accepted in the amount field. I have previously been the PI of two large clinical trials, including the SENTINEL HF study and the MI-PACE study. These studies examined accuracy, usability, and feasibility of wearable devices for heart failure and cardiac rehab. Both studies are completed. MI-PACE funding remains active.; Organization: Samsung, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I have received Samsung devices for research purposes. These were used in the PULSEWATCH studies.; Organization: Apple Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I have received Apple devices for research purposes. These have been used in the the Framingham Heart Study; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$200,000.00; < is not accepted in the amount field. I received a grant from Biotronik to explore relations between circulating microRNA and atrial fibrillation phenotypes. This grant is completed.; Organization: Boehringer Ingelheim, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$300,000.00; < is not accepted in the amount field. I am a funded investigator on the ongoing Secondary Precipitants of Atrial Fibrillation study using electronic health record data to profile type of AF in order to examine associations between secondary AF and stroke; Organization: Pfizer, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$300,000.00; < is not accepted in the amount field. I am a funded investigator on the AFib2gether study (an observational study of a smartphone app for better informed anticoagulation decisions). I am also funded on the SUPPORT-AF, LEAVE-SAFE studies examining interventions for safer use of anticoagulation for AF.; Organization: Otsuka Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$100,000.00; < is not accepted in the amount field. Site investigator on a clinical trial. Trial complete. No funding in 2019; Organization: Sanofi, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$100,000.00; < is not accepted in the amount field. Site investigator on a clinical trial. Trial complete. No funding in 2019; Organization: Flexcon, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Amount is <\$100,000.00 in total; < is not accepted in the amount field. Funded investigator examining novel electrode accuracy; Organization: Fitbit, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research, Comments: On an advisory board for the Fitbit Heart Study; Organization: Fitbit, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership, Comments: Member of the Fitbit Heart Study Advisory Committee; Organization: Fitbit, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I have received Fitbit devices for research purposes. These have been used in the mSAGE-AF and RURAL studies.; Organization: Fitbit, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: For serving on a Steering Committee for the Fitbit Heart Study; Organization: Avania, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Biomedical Associates, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
David Park, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
David Slotwiner, MD	No relevant financial relationships with ineligible companies to disclose.
David Spragg, MD	No relevant financial relationships with ineligible companies to disclose.
David Van Wagoner, PhD	No relevant financial relationships with ineligible companies to disclose.
David Wilber, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: AtriCure, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Thermedical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Lecture on ablation of persistent AF
Deborah Kwon	No relevant financial relationships with ineligible companies to disclose.
Deepak Bhakta, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research support only for product surveillance study.
Deepty Varghese, MSN, FNP	No relevant financial relationships with ineligible companies to disclose.

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Deepti Ranganathan, MBChB	No relevant financial relationships with ineligible companies to disclose.
Denis Malkov, MD, CCT	No relevant financial relationships with ineligible companies to disclose.
Denis Roy, MD	HRS Disclosures; Organization: Milestone, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: HUYA Bioscience, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Denise Hachul, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Dennis Lau, MBBS, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Derek Chew, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Derek Exner, MD, MPH	HRS Disclosures; Organization: Zennea, Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: CorVista, Relationship: Stock Options – Privately Held (including start-up companies), Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: GE Healthcare, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: HelpWear, Relationship: Ownership/Partnership/Principal, Role: Management Position; Organization: eMurmur, Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: Clarius, Relationship: Ownership/Partnership/Principal, Role: Ownership
Derya Gol Gungor, PhD	HRS Disclosures; Organization: Siemens Healthineers, Relationship: Salary from Employment, Role: Employment
Devi Nair, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Advisory board; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Advisory board; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Advisory Board; Organization: Adagio Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Advisory Board; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Fellows training; Organization: Affera, Inc., Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: As part of IDE trial for institution
Dhairya Nanavaty, MD	No relevant financial relationships with ineligible companies to disclose.
Dhan Shrestha, MD	No relevant financial relationships with ineligible companies to disclose.
Dhani Dharmaprani, BENG	No relevant financial relationships with ineligible companies to disclose.
Dhanunjaya Lakkireddy, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Janssen Pharmaceuticals, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Dhiraj Gupta, MBBS, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Medtronic Bakken Research Center, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: I am on the Amulet proctors panel
Di Lang, PhD	No relevant financial relationships with ineligible companies to disclose.
Diana Anca, MD	No relevant financial relationships with ineligible companies to disclose.
Dirk Grosse Meininghaus, MD	No relevant financial relationships with ineligible companies to disclose.
Divyang Patel, MD	No relevant financial relationships with ineligible companies to disclose.
Dobromir Dobrev, MD	No relevant financial relationships with ineligible companies to disclose.
Domenico Della Rocca, MD	No relevant financial relationships with ineligible companies to disclose.
Dominik Hubricht	No relevant financial relationships with ineligible companies to disclose.
Dongmin Kim	No relevant financial relationships with ineligible companies to disclose.
Dorothy Peng, BS	No relevant financial relationships with ineligible companies to disclose.
Douglas Darden, MD	No relevant financial relationships with ineligible companies to disclose.
Douglas Hall, MD	No relevant financial relationships with ineligible companies to disclose.
Douglas Mah, MD	No relevant financial relationships with ineligible companies to disclose.

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Douglas Packer, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: CardioFocus, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: St. Jude Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Thermedical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: St. Jude Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: CABANA Trial; Organization: Siemens, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Travel/Entertainment, Role: Consulting, Comments: Travel expense reimbursement for advisory board activity; Organization: Abbott, Relationship: Travel/Entertainment, Role: Consulting, Comments: Travel expense reimbursement for advisory board mtg.; Organization: Medtronic, Relationship: Travel/Entertainment, Role: Consulting, Comments: Travel expense for ECG Tracings Course; Organization: Thermedical, Relationship: Travel/Entertainment, Role: Consulting, Comments: Travel reimbursement; Organization: CORDIS – Johnson & Johnson, Relationship: Travel/Entertainment, Role: Speaking and Teaching, Comments: Travel Exp reimbursement; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Thermedical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: St. Jude Medical, Relationship: Royalty Income, Role: patent royalty; Organization: Atrifix, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medlumics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Mediasphere Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: ArtFix, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: NeuCures, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Xenter, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Afera, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: CathVision, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cardio Syntax, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Douglas Y. Mah, MD, FHRS, CEPS-P	No relevant financial relationships with ineligible companies to disclose.
Douglas Zipes, MD	No relevant financial relationships with ineligible companies to disclose.
Dustin Nash, MD	No relevant financial relationships with ineligible companies to disclose.
Duy Nguyen, MA, MD	No relevant financial relationships with ineligible companies to disclose.
Dylan Menefee, MPAS, PA-C	No relevant financial relationships with ineligible companies to disclose.
Dylan Vermoortele, BS, MS	No relevant financial relationships with ineligible companies to disclose.
E. Kevin Heist, MD, PhD	HRS Disclosures; Organization: Oracle Health, Relationship: Stocks – Privately Held, Role: Consulting, Comments: startup company; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Edgar Jaeggi	No relevant financial relationships with ineligible companies to disclose.
Edmond Cronin, MBChB	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Edouard Siméon, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Microport CRM, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Eduardo Saad, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Eduardo Sternick, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Edward Gerstenfeld, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Thermedical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: DSMB
Edward Kogan, MD	No relevant financial relationships with ineligible companies to disclose.
Edward O'Leary, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Edward Schloss, MD	HRS Disclosures; Organization: AliveCor, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting, Comments: Start up stock currently has no measurable monetary value.; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Edward Vigmond, PhD	HRS Disclosures; Organization: Numericor GmbH, Relationship: Ownership/Partnership/Principal, Role: Board Membership
Edward Walsh, MD	HRS Disclosures; Organization: UpToDate, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Author honorarium

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El Hussain Shamsa, BS	No relevant financial relationships with ineligible companies to disclose.
Elaine Wan, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cardiology, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Elena Arbelo, MD, MSci, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Elena Dedkova, PhD	No relevant financial relationships with ineligible companies to disclose.
Eliany Mejia Lopez, MD	No relevant financial relationships with ineligible companies to disclose.
Elijah Behr, MA, MBBS, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Elizabeth (Beth) Davenport, MSN, RN	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Nurse Advisory committee; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Speaker - Center of Excellence Program; Organization: Rhythm Management Group Corp, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Elizabeth Aronoff, BS, MD	No relevant financial relationships with ineligible companies to disclose.
Elizabeth E. Davenport, MSN, RN	Honoraria/Speaking/Consulting Fee: Boston Scientific, Biotronik, Rhythm Management Group Corp
Elizabeth Kaufman, MD	No relevant financial relationships with ineligible companies to disclose.
Elizabeth Saarel, MD	No relevant financial relationships with ineligible companies to disclose.
Elizabeth Sherwin, MD	HRS Disclosures; Organization: Bioclinica, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Fee for service ECG reading.
Elizabeth Stephenson, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: My husband receives honoraria for multiple continuing medical education activities in which he designs the talk and chooses the content; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: My husband receives honoraria for multiple continuing medical education activities in which he designs the talk and chooses the content. He also occasionally participates in advisory boards.
Elliana Huffman, MS	No relevant financial relationships with ineligible companies to disclose.
Eloi Marijon, MD, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: MicroPort Scientific Corporation, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Consulting; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Ely Gracia, MD	No relevant financial relationships with ineligible companies to disclose.
Emerson Liu, MD	No relevant financial relationships with ineligible companies to disclose.
Emilia Entcheva, PhD	No relevant financial relationships with ineligible companies to disclose.
Emily Murtagh, BS, CVT	No relevant financial relationships with ineligible companies to disclose.
Emily Zeitler, MD, MHS	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: research funds to my institution for an investigator initiated study; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Fellows' education, women in EP program; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Diversity and inclusion working group
Emma Francis	No relevant financial relationships with ineligible companies to disclose.
Emma Svennberg, MD, PhD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Roche Diagnostics, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Institutional grant; Organization: Merck, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Institutional
Emmanuel Ekanem, MD	No relevant financial relationships with ineligible companies to disclose.
Emmanuel Offei, MS	No relevant financial relationships with ineligible companies to disclose.
Emmi Helle, MD	No relevant financial relationships with ineligible companies to disclose.

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Enrico Ferro, MD	No relevant financial relationships with ineligible companies to disclose.
Eric Invers-Rubio, MSci	No relevant financial relationships with ineligible companies to disclose.
Eric Prystowsky, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Eric Robinson, MD	No relevant financial relationships with ineligible companies to disclose.
Erica Byers, MSN, CRNP	No relevant financial relationships with ineligible companies to disclose.
Erica Zado, PAC	No relevant financial relationships with ineligible companies to disclose.
Erik Kulstad, MD, MS	HRS Disclosures; Organization: Attune Medical, Relationship: Intellectual Property Rights, Role: Employment
Erin Flatley, BSN, MSN, NP	No relevant financial relationships with ineligible companies to disclose.
Esseim Sharma, MD	No relevant financial relationships with ineligible companies to disclose.
Estelle Renard	No relevant financial relationships with ineligible companies to disclose.
Ethan Rowin	No relevant financial relationships with ineligible companies to disclose.
Eue-Keun Choi, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Bristol-Myers Squibb, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Daiichi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Chong Kun Dang Pharmaceutical Corp, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: DeepQure, Relationship: Stock Options – Privately Held (including start-up companies), Role: Research; Organization: Jeil Pharmaceutical Co, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Samjinpharm, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Seers Technology, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Skylabs, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Eugene Chung, MD, MPH, MSci	No relevant financial relationships with ineligible companies to disclose.
Eugene Crystal, MD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Stereotaxis, Inc., Relationship: Blended CME support, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Blended CME support, Role: Speaking and Teaching
Eugenio Cingolani, MD	No relevant financial relationships with ineligible companies to disclose.
Eun Jeong Kim, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Eva Meulendijks, MD	No relevant financial relationships with ineligible companies to disclose.
Evan Adelstein, MD	No relevant financial relationships with ineligible companies to disclose.
Evan Jenkins, BENG	No relevant financial relationships with ineligible companies to disclose.
Ewen Le Quilliec, MSci	No relevant financial relationships with ineligible companies to disclose.
F. Daniel Ramirez, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Fabian Bahlke, MD	No relevant financial relationships with ineligible companies to disclose.
Faisal Merchant, MD	No relevant financial relationships with ineligible companies to disclose.
Faisal Syed, BS, MBChB	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consultation fees; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting fees; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Kiniksa, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Fatima Bangash, MBBS, MSci	No relevant financial relationships with ineligible companies to disclose.
Fatima Dumas Cintra	No relevant financial relationships with ineligible companies to disclose.
Fatima Ezzeddine, MD	No relevant financial relationships with ineligible companies to disclose.
FAVOUR MARKSON, MBBS	No relevant financial relationships with ineligible companies to disclose.

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Faye Norby, MPH, PhD	No relevant financial relationships with ineligible companies to disclose.
Federico Malvassi	No Answer.
Felix Sogade, MD	HRS Disclosures; Organization: Alnylam Pharmaceuticals, Relationship: Stocks – Publicly Traded, Role: Ownership, Comments: Stocks bought through broker and independent advise and held for more than 5 years; Organization: Medtronic, Relationship: Stocks – Publicly Traded, Role: Ownership, Comments: Held in joint investment account and bought publicly via broker and more than 10 years holding. Appreciation related to market forces; Organization: Abiomed, Relationship: Stocks – Publicly Traded, Role: Ownership
Fengwei Zou, MD	No relevant financial relationships with ineligible companies to disclose.
Fengyuan Yu, MD	No relevant financial relationships with ineligible companies to disclose.
Fermin Garcia, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Fernanda M Bosada	No relevant financial relationships with ineligible companies to disclose.
Fernando Vidal, MD	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Filip Van Petegem, PhD	No relevant financial relationships with ineligible companies to disclose.
Fima Macheret, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Flavio Fenton, PhD	No relevant financial relationships with ineligible companies to disclose.
Florian Blaschke, MD	No relevant financial relationships with ineligible companies to disclose.
Francesco Zanon, MD	HRS Disclosures; Organization: St. Jude Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: modest; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: modest; Organization: LivaNova, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: modest; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: modest
Francis Marchlinski, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Director of Annual Fellowship Educational Symposium; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Director of Annual Fellowship Educational Symposium; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Faculty for Prystowsky Eg Course at HRS and Scientific Advisory Board; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Director of Fellowship/Post Fellowship educational program on VT
Francis Phan, MD	No relevant financial relationships with ineligible companies to disclose.
Francis Zirille, MBA, MD	No relevant financial relationships with ineligible companies to disclose.
Frank Bogun, MD	No relevant financial relationships with ineligible companies to disclose.
Franziska Schneider	No relevant financial relationships with ineligible companies to disclose.
Fred Kusumoto, MD	No relevant financial relationships with ineligible companies to disclose.
Frederic Sacher, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: inHEART, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Frederick Han, MD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Frits Prinzen, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: core-lab ECG for BLOWOMEN study; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: Core Lab ECG for post market SyncAV study
Fu Siong Ng, MBBS, PhD	HRS Disclosures; Organization: Cardialen, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Fuad Habash, MD	No relevant financial relationships with ineligible companies to disclose.
G. Stuart Mendenhall, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Grektex, LLC, Relationship: Stock Options – Privately Held (including start-up companies), Role: Membership on Advisory Committees or Review Panels, Comments: Stock options / ownership interest <10% of company. Nonpublic / startup entity.
Gabrielle Monaco	No relevant financial relationships with ineligible companies to disclose.
Gang Yang	No relevant financial relationships with ineligible companies to disclose.

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Gary C. Bird, PhD, MSc	No relevant financial relationships with ineligible companies to disclose.
Gaurav A. Upadhyay, MD, FHRS	Honoraria/Speaking/Consulting Fee: Medtronic, Biotronik, Abbott, Zoll Medical Corporation
Gaurav Upadhyay, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: <5K; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Cumulative amount for multiple consulting/speaking engagements
Gautam Rangavajla, MD	No relevant financial relationships with ineligible companies to disclose.
Gautam Sharma, DNP	No relevant financial relationships with ineligible companies to disclose.
Gautham Rajagopal	HRS Disclosures; Organization: Medtronic, Relationship: Salary from Employment, Role: Employment
Gea-ny Tseng, PhD	No relevant financial relationships with ineligible companies to disclose.
George Bodziock, MD	No relevant financial relationships with ineligible companies to disclose.
George Crossley, MD	HRS Disclosures; Organization: Spectranetics Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
George Katritsis, MBChB	No relevant financial relationships with ineligible companies to disclose.
George Klein, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
George Van Hare, MD	No relevant financial relationships with ineligible companies to disclose.
Gerard Boink, MD, PhD	HRS Disclosures; Organization: PacingCure, Relationship: Ownership/Partnership/Principal, Role: Management Position
Gerhard Hindricks, MD	No relevant financial relationships with ineligible companies to disclose.
Gerilynn Schott, ACNP	No relevant financial relationships with ineligible companies to disclose.
Germaine Schaefer	Stocks - Publicly Traded: Amazon, Apple Inc.
Gery Tomassoni, MD	HRS Disclosures; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Ghaith Sharaf Dabbagh, MD	No relevant financial relationships with ineligible companies to disclose.
Ghanshyam Shantha, MD	No relevant financial relationships with ineligible companies to disclose.
Giovanni Peretto, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Speaker at International EP Curriculum for Cardiac EPs. Topic: Arrhythmias in Myocarditis.
GIOVANNI VOLPATO	No relevant financial relationships with ineligible companies to disclose.
Girish Nair, MBBS, MD, MHS	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Giuseppe Ciconte, MD, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Giuseppe Stabile, MD	No relevant financial relationships with ineligible companies to disclose.
Glenn Fishman, MD	HRS Disclosures; Organization: Script Biosciences, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: biotech startup; no potential conflicts at this time
Golnoush Asaeikheybari	No relevant financial relationships with ineligible companies to disclose.
Gopi Dandamudi, MBA, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Gordon Ho, MD	HRS Disclosures; Organization: Vektor Medical, Inc., Relationship: Stocks – Privately Held, Role: Consulting, Comments: Unpaid consulting
Graham Peigh, MD	No relevant financial relationships with ineligible companies to disclose.
Grazia Ferroni, ANP, APN	No relevant financial relationships with ineligible companies to disclose.
Gregory Cunn, MD	No relevant financial relationships with ineligible companies to disclose.

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Gregory Feld, MD	HRS Disclosures; Organization: Vektor Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Adagio Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Perminova, Inc., Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: Medwaves, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Ra Medical, Inc., Relationship: Stocks – Publicly Traded, Role: Pre-IPO Investor
Gregory Hoeker, BA, BSBME, MSBME, PhD	No relevant financial relationships with ineligible companies to disclose.
Gregory Marcus, MD	HRS Disclosures; Organization: InCarda Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Baylis Medical Company, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: InCarda Therapeutics, Relationship: Stocks – Publicly Traded, Role: Ownership; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Steering committee for clinical trial
Gregory Michaud, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Some includes reimbursement for travel; Organization: Mediasphere Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Gregory Webster, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Grigorios Katsouras, MD, MS	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Guan-Yi Li, MD	No relevant financial relationships with ineligible companies to disclose.
Gursharan Samra, MD	No relevant financial relationships with ineligible companies to disclose.
Gurukripa Kowlgi, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
Gwilym Morris, MBChB, PhD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic PLC, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Habiba Aziz	No relevant financial relationships with ineligible companies to disclose.
Hadi Younes, MD	No relevant financial relationships with ineligible companies to disclose.
Hafiza Khan, MD	HRS Disclosures; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Hagai Yavin, MD	No relevant financial relationships with ineligible companies to disclose.
Hailei Liu	No relevant financial relationships with ineligible companies to disclose.
Hailey Jansen, BS, MS, PhD	No relevant financial relationships with ineligible companies to disclose.
Haitham Hreibe, MD	No relevant financial relationships with ineligible companies to disclose.
Hakeem Ayinde, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Han Li	No relevant financial relationships with ineligible companies to disclose.
Hands-On Session	No relevant financial relationships with ineligible companies to disclose.
Hanjin Park, MD	No relevant financial relationships with ineligible companies to disclose.
Hannah Bernstein, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Hans Stabenau, MD	No relevant financial relationships with ineligible companies to disclose.
Hany Demo, MD	HRS Disclosures; Organization: Abbott, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Haojie Zhu	No relevant financial relationships with ineligible companies to disclose.
Haran Yogasundaram, MD	No relevant financial relationships with ineligible companies to disclose.
Harigopal Sandhyavenu, MD	No relevant financial relationships with ineligible companies to disclose.
Harikrishna Tandri, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Harini lakshman, MD	No relevant financial relationships with ineligible companies to disclose.
Harpriya Chugh, BE	No relevant financial relationships with ineligible companies to disclose.

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Harri Silvola, MD	HRS Disclosures; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Travel/Entertainment, Role: Congress travel grant receiver; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Harry Crijns, PhD	HRS Disclosures; Organization: InCarda Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Payment to my institution; Organization: Roche Diagnostics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: health-tech company developing continuous health monitoring devices, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Payment to my institution; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Payment to my institution; Organization: Cardialysis, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Payment to my institution; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Payment to self; Organization: Acesion Pharma, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Payment to institution
Harsh Patel, MD	No relevant financial relationships with ineligible companies to disclose.
Harsha Devalla, PhD	No relevant financial relationships with ineligible companies to disclose.
Haruhiko Abe, MD	No relevant financial relationships with ineligible companies to disclose.
Heather Bloom, MD	HRS Disclosures; Organization: other, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: I do expert witnessing for medical legal cases, no affiliation with any organization
Heather Ross, DNP, PhD, ANP	No relevant financial relationships with ineligible companies to disclose.
Hector Velasco Perez	HRS Disclosures; Organization: Maxwell Biomedical, Relationship: Salary from Employment, Role: Employment; Organization: Maxwell Biomedical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Employment
Heidi Dohse, BA	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Speaking engagements; Organization: UCSF, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: Patient PI - Healthy Hearts / Healthy Minds study; Organization: Edwards Lifesciences, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting/Speaking on Cardiovascular Patient Engagement
Helbert Acosta, MD	No relevant financial relationships with ineligible companies to disclose.
Helena Jansova, MSE	No relevant financial relationships with ineligible companies to disclose.
Heliodoro Rodriguez, MD	No relevant financial relationships with ineligible companies to disclose.
Henriette Mészáros, MD	No relevant financial relationships with ineligible companies to disclose.
Henry Chubb, MA, MBBS, PhD	No relevant financial relationships with ineligible companies to disclose.
Henry Hsia, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Henry Huang, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: CardioFocus, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Hideharu Okamatsu, MD	No relevant financial relationships with ineligible companies to disclose.
Hiroshi Nakagawa, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Fukuda-Denshi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Affera, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Japan Lifeline, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Stereotaxis, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Galaxy Medical, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Hirotsugu Sato	No relevant financial relationships with ineligible companies to disclose.
Hiroyuki Miyazawa	No relevant financial relationships with ineligible companies to disclose.
Holly Daw, BS	No relevant financial relationships with ineligible companies to disclose.
Huei-Sheng Chen, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Hugh Calkins, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abilacon, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting

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Hui-Chen Han, MBBS	No relevant financial relationships with ineligible companies to disclose.
Huzaifa Ahmad, MBBS	No relevant financial relationships with ineligible companies to disclose.
Hygriv Rao, MD	No relevant financial relationships with ineligible companies to disclose.
Hyo-Jeong Ahn, MD	No relevant financial relationships with ineligible companies to disclose.
Hyun Joo Lee, MBA	No relevant financial relationships with ineligible companies to disclose.
Ido Goldenberg, MD	No relevant financial relationships with ineligible companies to disclose.
Igor Efimov, PhD	HRS Disclosures; Organization: Cardialen, Inc., Relationship: Ownership/Partnership/Principal, Role: Consulting, Comments: I founded Cardialen, but not involved in management. Consulting agreement: \$60,000/year and own stock, which is now worth about \$150,000
Ijeoma Ekeruo, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Ikram-UI Haq, MBBS	No relevant financial relationships with ineligible companies to disclose.
Ilan Goldenberg, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research grant to the University of Rochester; Organization: Zoll Medical Corporation, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research grant to the University of Rochester; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research grant to the University of Rochester
Iqbal El Assaad	No relevant financial relationships with ineligible companies to disclose.
Iqbal El-Assaad	No relevant financial relationships with ineligible companies to disclose.
Ira Cohen, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Irene Maria Esteve Ruiz	No relevant financial relationships with ineligible companies to disclose.
Isaac Whitman, MD	HRS Disclosures; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Since 2021, I have given approximately 5 lectures for Impulse Dynamics to various audiences.
Isabel Deisenhofer, MD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Daiichi Sankyo, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to the MARS (Munich Arrhythmia Research and Study) center for conducting a multicentric study (no personal grant); Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: honorarium for presentation at annual German Cardiac Society scientific meeting; Organization: Volta Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Isabelle Deschenes, PhD	No relevant financial relationships with ineligible companies to disclose.
Isabelle Greiss, MD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Isabelle Nault, MD	Honoraria/Speaking/Consulting Fee: Bayer Healthcare Pharmaceuticals, Servier, BMS/Pfizer Alliance, Icentia, Biosense Webster, Inc.
Isabelle Van Gelder, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Itsuro Morishima, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Ivo Roca-Luque	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Ivor Asztalos, MD	No relevant financial relationships with ineligible companies to disclose.
Iwanari Kawamura, MD	No relevant financial relationships with ineligible companies to disclose.
J. David Burkhardt, MD	HRS Disclosures; Organization: Stereotaxis, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
J. Kevin Donahue, MD	No relevant financial relationships with ineligible companies to disclose.
J. Peter Weiss, MD, MSci	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Stereotaxis, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: I also own a small amount of privately purchased stock (less than \$5000); Organization: Galaxy Medical, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Corfigo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jacob Hantla, BSBME, MS, CRNA	No relevant financial relationships with ineligible companies to disclose.

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Jacob Koruth, MBBS, MD	HRS Disclosures; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: None; Organization: Kardium, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Affera, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pulse Biosciences, Relationship: Stock Options – Privately Held (including start-up companies), Role: Research, Comments: No financial documents
Jacqueline Conarchy, BS, BSN	HRS Disclosures; Organization: Abbott Medical, Relationship: Salary from Employment, Role: Independent Contractor (including contracted research), Comments: Contracted consultant for CIED in Milwaukee Wisconsin
Jacqueline Forman, MSN, CNS, RN	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee: Medtronic, Role: Speaking and Teaching
Jacqueline Joza, MD, MS	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Investigator Initiated study: (External Research Program). The study sponsor is the Research Institute of the McGill University Health Centre where Medtronic does not direct the design, conduct, or outcome of the study.; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Jae Hyung Cho, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Jae-Sun Uhm, MD	No relevant financial relationships with ineligible companies to disclose.
Jagmeet Singh, MD, PhD	HRS Disclosures; Organization: EBR Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: New Century Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Advisor; Organization: Merit Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cardiologs, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: CVRx Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Octagos, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Implicity, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Orchestra Biomed, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Rhythm Management Group Corp, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medscape, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jaimie Manlucu, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jake Bergquist, MS, PhD	HRS Disclosures; Organization: Majelco Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Engineering Consultant
Jake Martinez, DO	No relevant financial relationships with ineligible companies to disclose.
Jakrin Kewcharoen, MD	No relevant financial relationships with ineligible companies to disclose.
Jakub Sroubek, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Ja-kyoung Yoon, MD	No relevant financial relationships with ineligible companies to disclose.
Jalaj Garg, MD	No relevant financial relationships with ineligible companies to disclose.
Jamal Hajjari, MD	No relevant financial relationships with ineligible companies to disclose.
Jamarcus Brider	No relevant financial relationships with ineligible companies to disclose.
James Allred, MD	HRS Disclosures; Organization: CV Remote Solutions PLC, Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: CVRx Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
James Coromilas, MDCM	HRS Disclosures; Organization: abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Serve on CEC for Absorb IV trial

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James Daubert, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: No personal salary; grants to Duke University; co-investigator on research with grant from Abbott to Duke.; Organization: VytronUS, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: LivaNova, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Steering Committee. No payments in 2017 or 2018; possibly 2000 USD in 2019; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Investigator on research with grant from entity to Duke University; no personal salary.; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: The amount 11312 USD is total for an advisory board (Independent Physician Quality Panel) amounting to about 6000 USD per year and lecture and symposium chairing about 5000 USD per year.; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: No fees in 2017 or 2018. DSMB and events committee beginning in 2019; will be < 10 000 USD; estimate above of 4000 USD; Organization: Syneos Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: \$0 in 2020 or 2021; anticipate \$2000-\$5000 in 2022; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Affera, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
James Freeman, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pacemate, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Pacemate, Relationship: Stock Options – Privately Held (including start-up companies), Role: Board Membership
James Mannion, MBChB	No relevant financial relationships with ineligible companies to disclose.
James O'Hara, PhD, PA	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
James Peacock, MD, MS	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
James Smyth, PhD	No relevant financial relationships with ineligible companies to disclose.
Jamie Conti, MD	No relevant financial relationships with ineligible companies to disclose.
Jamie Kowal, DO, MS	No relevant financial relationships with ineligible companies to disclose.
Jan Janousek, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Jan Kucera, MD	No relevant financial relationships with ineligible companies to disclose.
Jan Petru, MD	No relevant financial relationships with ineligible companies to disclose.
Jan Steffel, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medscape, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MSD, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: WebMDGlobal, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: CorXL, Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Alexion Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Berlin Chemie, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Organon, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: SAJA Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Alexion Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Berlin-Chemie AG/Menarini, Berlin, Germany, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Menarini Group, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Swiss EP, Relationship: Ownership/Partnership/Principal, Role: Ownership
Jana Reventós Presmanes, MSci	HRS Disclosures; Organization: Corify Care, Relationship: Salary from Employment, Role: Employment
Jana Vesela	No relevant financial relationships with ineligible companies to disclose.
Jane Chen, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Janet Han, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Janette Strasburger, MD	No relevant financial relationships with ineligible companies to disclose.

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Jani Thuraiayah	No relevant financial relationships with ineligible companies to disclose.
Janice Chyou, MD	No relevant financial relationships with ineligible companies to disclose.
Janice Y. Chyou, MD, FHRS	Honoraria/Speaking/Consulting Fee: Medtronic, Inc.
Jaron Maggard, DO	No relevant financial relationships with ineligible companies to disclose.
Jasneet Devgun, DO	No relevant financial relationships with ineligible companies to disclose.
Jason Andrade, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Jason Bradfield, MD	No relevant financial relationships with ineligible companies to disclose.
Jason Jacobson, MD	HRS Disclosures; Organization: Abbott, Relationship: CEC chair for LESS VT trial, Role: Research, Comments: Fees are paid to my institution; Organization: Atlas 5D, Relationship: Stocks – Privately Held, Role: Ownership, Comments: I am an investor in this "aging-in-place" company without direct electrophysiology application. The technology is a sensor that detects patient motion and posture. There are no arrhythmia monitoring possibilities for this technology.
Jasson Barrios	No relevant financial relationships with ineligible companies to disclose.
Jay Gross, MD	No relevant financial relationships with ineligible companies to disclose.
Jay Montgomery, MD	No relevant financial relationships with ineligible companies to disclose.
Jay Sengupta, MD	No relevant financial relationships with ineligible companies to disclose.
Jayanthi Koneru, MBBS	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Honoraria; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Jayasree Pillarisetti, MD	No relevant financial relationships with ineligible companies to disclose.
JC Pachon-M, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Jean Marc Raymond, MD	HRS Disclosures; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Jean-Baptiste Guichard, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Salary from Employment, Role: Speaking and Teaching; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research
JEAN-CLAUDE DEHARO, MD	No relevant financial relationships with ineligible companies to disclose.
Jeanine Murphy, BSN, RN	No relevant financial relationships with ineligible companies to disclose.
Jeanne Poole, MD	HRS Disclosures; Organization: Kestra, Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: research funding paid directly to the institution. Ongoing efforts; Organization: AtriCure, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research consulting paid directly to the institution; Organization: Elsevier, Relationship: Royalty Income, Role: Book Editor; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research grant directly to the institution; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: On a research grant directly to the institution that is specifically for a rhythm adjudication committee
Jean-Philippe Couderc, PhD	HRS Disclosures; Organization: VPG Medical, Inc., Relationship: Majority Stockholder, Role: Ownership; Organization: ERT, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jean-philippe Couderc	HRS Disclosures; Organization: VPG Medical, Inc., Relationship: Ownership/Partnership/Principal, Role: Independent Contractor (including contracted research); Organization: Consultant, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Jeanwoo Yoo, DO	No relevant financial relationships with ineligible companies to disclose.
Jeff Saucerman	No relevant financial relationships with ineligible companies to disclose.
Jeffrey Arkles, MA, MD	No relevant financial relationships with ineligible companies to disclose.
Jeffrey Goldberger, MBA, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)

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Jeffrey Healey, MD	HRS Disclosures; Organization: Cypher Pharma, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol-Myers Squibb, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Bristol-Myers Squibb, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Combination BMS/Pfizer; Organization: Pfizer, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Alliance funding SAME grant as BMS above; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Servier, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Myokardia, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Jeffrey Kim, MD	No relevant financial relationships with ineligible companies to disclose.
Jeffrey Kolominsky, MD	No relevant financial relationships with ineligible companies to disclose.
Jeffrey Robinson, MD	No relevant financial relationships with ineligible companies to disclose.
Jeffrey Winterfield, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Jenna Spears, MBChB	No relevant financial relationships with ineligible companies to disclose.
Jennifer Ilek, BSc	No relevant financial relationships with ineligible companies to disclose.
Jennifer Silva, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: SentiAR, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: SentiAR, Inc., Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: SentiAR, Inc., Relationship: Stocks – Privately Held, Role: Ownership; Organization: SentiAR, Inc., Relationship: Stocks – Privately Held, Role: Ownership; Organization: Cardialen, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: DSMB, CECC; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Excera, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership; Organization: Excera, Inc., Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: Excera, Inc., Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: UN&UP, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Subcontract for research, Comments: Paid to WUSTL; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jennifer Wright, MA, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Jeremy Moore, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Jeroen Hendriks, MS, PhD, RN	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Flinders University have received this amount on my behalf.
Jessica Caldwell, PhD	No relevant financial relationships with ineligible companies to disclose.
Jessica Mao, MD	No relevant financial relationships with ineligible companies to disclose.
Jessica Platt, BA	No relevant financial relationships with ineligible companies to disclose.
Jessica Posey, MSN, APRN, FNP	No relevant financial relationships with ineligible companies to disclose.
Jesus Almendral, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Ji Hyun Lee, MD	No relevant financial relationships with ineligible companies to disclose.
Jian Liang Tan, MD	No relevant financial relationships with ineligible companies to disclose.
Jiangang Zou, MD	No relevant financial relationships with ineligible companies to disclose.
Jidong Fu, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Jihoon Choi	No relevant financial relationships with ineligible companies to disclose.
Jill Schaeffer, MSN, CRNP	HRS Disclosures; Organization: CHART Healthcare Academy, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jill Swinning, MSN, APRN	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching

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Jim Cheung, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Jingnan Han, MD	No relevant financial relationships with ineligible companies to disclose.
Jiyue He	No relevant financial relationships with ineligible companies to disclose.
Joanne Moon	No relevant financial relationships with ineligible companies to disclose.
Jodie Hurwitz, MD	No relevant financial relationships with ineligible companies to disclose.
Jodie L Hurwitz, MD, FHRS	No relevant financial relationships with ineligible companies to disclose.
Johan Vijgen, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Galaxy Medical, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Daichii Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Johanna Tonko	Nothing Relevant to Disclose
Johannes Brachmann, MD, PhD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Johannes von Alvensleben, MD	No relevant financial relationships with ineligible companies to disclose.
John Catanzaro, MBA, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: consulting fee; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Aziyo Biologics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
John Day, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
John Ferrante, ASN, RN	No relevant financial relationships with ineligible companies to disclose.
John Fontaine, MBA, MD	No relevant financial relationships with ineligible companies to disclose.
John Hummel, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
John Lee, MD	HRS Disclosures; Organization: Amneal Pharmaceutical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
John Mandrola, MD	No relevant financial relationships with ineligible companies to disclose.
John Mignone	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: egnite, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: egnite, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
John Miller, MD	HRS Disclosures; Organization: Biosig Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MediLynx, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Elsevier, Relationship: Royalty Income, Role: author; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Physcade, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
John Rickard, MD, MPH	HRS Disclosures; Organization: St. Jude Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: St. Jude Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
John Rogers	No relevant financial relationships with ineligible companies to disclose.
John Sapp, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Speaker honorarium \$CAD 2000; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: No personal income; investigator initiated research grant; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Investigator-initiated research grant, no personal income; Organization: Varian Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Canadian EP Fellows Course

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John Tranter, MSEE	HRS Disclosures; Organization: Abbott, Relationship: Salary from Employment, Role: Employment
John Triedman, MD	HRS Disclosures; Organization: UpToDate, Inc., Relationship: Royalty Income, Role: Editor/Author; Organization: SentiAR, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Intention to enter contract in coming year, anticipated income in 2020 will be <\$2,500; Organization: Biosense Webster, Inc., Relationship: Institutional payments for provision of technical training, Role: Consulting, Comments: \$1500 per site visit for observer visits to discretionary research/education fund, <\$10,000/year over last 3 years
John Whitaker, BCH, BM, PhD	No relevant financial relationships with ineligible companies to disclose.
John Windle, MD	No relevant financial relationships with ineligible companies to disclose.
John-Ross Clarke, MBBS	No relevant financial relationships with ineligible companies to disclose.
Jolien De Veld, MD	No relevant financial relationships with ineligible companies to disclose.
Jonathan Ariyaratnam, BChir, MA, MB	No relevant financial relationships with ineligible companies to disclose.
Jonathan Chrispin, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Jonathan D. Smith, PhD	No relevant financial relationships with ineligible companies to disclose.
Jonathan Dukes, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Jonathan Hsu, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Vektor Medical, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: iRhythm Technologies, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Hillrom, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Jonathan Lipton, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Jonathan Piccini, MD, MHS	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: No Longer Active; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: LivaNova, Relationship: Honoraria/Speaking/Consulting Fee, Role: Events adjudication; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to Duke for which I serve as the PI.; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to Duke for which I serve as the PI.; Organization: Philips, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to Duke for which I serve as the PI.; Organization: AbbVie, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: ARCA Biopharma Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to Duke for which I serve as the PI.; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: ElectroPhysiology Frontiers, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Itamar Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Element Science, Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Data Safety & Monitoring Board; Organization: iRhythm Technologies, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to Duke for which I serve as the PI.; Organization: UpToDate, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Content editor.
Jonathan Silva, MS, PhD	HRS Disclosures; Organization: SentiAR, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership, Comments: Equity, Board of Directors, Officer (Chief Technology Officer). Company is commercializing technology to bring augmented reality to the cardiac catheterization laboratory.; Organization: SentiAR, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership, Comments: Equity, Officer (Chief Medical Officer). Company is commercializing technology to bring augmented reality to the cardiac catheterization laboratory.
Jonathan Uniat, MD	No relevant financial relationships with ineligible companies to disclose.

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Jong-II Choi, MD, MHS, PhD	No relevant financial relationships with ineligible companies to disclose.
JOO HEE JEONG, MD	No relevant financial relationships with ineligible companies to disclose.
JoonHyuk Kim, MD	HRS Disclosures; Organization: Volta Medical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Investment in stock
Jordan Leyton-Mange, MD	No relevant financial relationships with ineligible companies to disclose.
Jordana Kron, MD	No relevant financial relationships with ineligible companies to disclose.
Jordana Kron, MD, FHRS	No relevant financial relationships with ineligible companies to disclose.
Jorge Gomez	No relevant financial relationships with ineligible companies to disclose.
Jorge Romero, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Investigator-initiated research study (PLEA AF trial) NCT#04216667; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership
Jorge Wong, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Jorik Amez, MSBME	No relevant financial relationships with ineligible companies to disclose.
Joris Winters, PhD	No relevant financial relationships with ineligible companies to disclose.
Jose Aguirre	No relevant financial relationships with ineligible companies to disclose.
Jose Antonio Bautista, MD	No relevant financial relationships with ineligible companies to disclose.
Jose Cabrera, MD	No relevant financial relationships with ineligible companies to disclose.
Jose Huizar, MD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: This is a research grant supporting current translational research
Jose Jalife, MD	No relevant financial relationships with ineligible companies to disclose.
Jose Joglar, MD	No relevant financial relationships with ineligible companies to disclose.
Jose Lozano Garcia, MD	No relevant financial relationships with ineligible companies to disclose.
Jose Merino, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: MicroPort Scientific Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Atrial fibrillation advice; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Jose Moltedo, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BIOMAKERS, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: No incomes in the last 12 months
Jose Osorio, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: AtriCure, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Josef Kautzner, MD, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Affera, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Affera, Inc., Relationship: clinical studies, Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Speakers' Bureau, Role: Speaking and Teaching
Joseph Akar, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Joseph Banno, MD	No relevant financial relationships with ineligible companies to disclose.
Joseph Barker	No relevant financial relationships with ineligible companies to disclose.
Joseph Decker, MD	No relevant financial relationships with ineligible companies to disclose.
Joseph Marine, MBA, MD	HRS Disclosures; Organization: UpToDate, Inc., Relationship: Royalty Income, Role: Edit several chapters on ICDs and conduction disturbance

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Joseph Mayer, MSci	No relevant financial relationships with ineligible companies to disclose.
Joseph Poku, MD	HRS Disclosures; Organization: Janssen Pharmaceuticals, Relationship: Speakers' Bureau, Role: Speaking and Teaching
Joseph Rogers, AAS	No relevant financial relationships with ineligible companies to disclose.
Joshua D. Aymond, MD	No relevant financial relationships with ineligible companies to disclose.
Joshua Lampert, MD	No relevant financial relationships with ineligible companies to disclose.
Joshua Moss, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Haemonetics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Moderna Therapeutics, Relationship: Stocks – Publicly Traded, Role: Ownership; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Joshua R. Silverstein, MD, FHRS	Honoraria/Speaking/Consulting Fee: Medtronic, Biosense Webster, Inc.
Joshua Silverstein, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Joshua Sink, MD	No relevant financial relationships with ineligible companies to disclose.
Juan Cruz Lopez Diez	No relevant financial relationships with ineligible companies to disclose.
Juan Diaz, MD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Speaker for rivaroxaban in Colombia and South america; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Juan Uribe	No relevant financial relationships with ineligible companies to disclose.
JUAN ZERPA ACOSTA, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Proctorship in new technologies and fellows training
Jude Clancy, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Proctoring
Judith Mackall, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Co-chair the Women in EP Program annually
Judy Ashouri, MD	No relevant financial relationships with ineligible companies to disclose.
Jue Wang	No relevant financial relationships with ineligible companies to disclose.
Juhani Junttila, MD, PhD	HRS Disclosures; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Julia Aranyo, MD	No relevant financial relationships with ineligible companies to disclose.
JULIA CADRIN-TOURIGNY, MD, MS	HRS Disclosures; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Tenaya Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Julia Indik, MD, PhD	Nothing Relevant to Disclose
Julian Chun, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Julie Hathaway, MS	HRS Disclosures; Organization: Blueprint Genetics, Relationship: Salary from Employment (Commercial Interest), Role: Employment, Comments: I am employed as a Clinical Liaison and Genetic Counselor at Blueprint Genetics
Julie Mary Thomas, PAC, CCDS	No relevant financial relationships with ineligible companies to disclose.
Julie Mease, NP	HRS Disclosures; Organization: Respicardia, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Julie Rennison, PhD	No relevant financial relationships with ineligible companies to disclose.
Julie Shea, MS, ANP	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Julie Thomas, PAC	No relevant financial relationships with ineligible companies to disclose.

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Julie Uv, MSci	No relevant financial relationships with ineligible companies to disclose.
Julien Barc, PhD	HRS Disclosures; Organization: INSERM, Relationship: Salary from Employment, Role: Research
Julius Obergassel	No relevant financial relationships with ineligible companies to disclose.
Jun Wang	No relevant financial relationships with ineligible companies to disclose.
Junaid Zaman, MA, MD, PhD	HRS Disclosures; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research, Comments: Fellows educational webinar and live talk; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Fellows animal lab course; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
JungMin Choi, MD	No relevant financial relationships with ineligible companies to disclose.
Junichi Kamoshida, PhD	No relevant financial relationships with ineligible companies to disclose.
Jurgen Shtembari, MD	No relevant financial relationships with ineligible companies to disclose.
Justin Arunthamkun, BA, MD	No relevant financial relationships with ineligible companies to disclose.
Justin Field, MD	No relevant financial relationships with ineligible companies to disclose.
Justin Haloot, DO, MS	No relevant financial relationships with ineligible companies to disclose.
Justin Hayase, MD	HRS Disclosures; Organization: Neutrace, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Anumana, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Justin Lee, MD	No relevant financial relationships with ineligible companies to disclose.
Justin Phan, MBBS	No relevant financial relationships with ineligible companies to disclose.
Justin Teraoka	No relevant financial relationships with ineligible companies to disclose.
Justin Wallet, MD	No relevant financial relationships with ineligible companies to disclose.
Kalyanam Shivkumar, MD, PhD	HRS Disclosures; Organization: NeuCures, Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership, Comments: start up company
Kalyanam Shivkumar, MD, PhD, FHRS	Stock Options - Privately Held: NeuCures
Kamal Sethi, MD	No relevant financial relationships with ineligible companies to disclose.
Kamala Tamirisa, MD	HRS Disclosures; Organization: Medscape, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: AFIB Management; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Abbott covered travel expenses for Women in EP conference in Greenville, SC
Kanae Hasegawa, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kara Motonaga, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Kara S. Motonaga, MD, FHRS, CEPS-P	Honoraria/Speaking/Consulting Fee: Abbott Medical, Fellowship Support: Medtronic
Karan Saraf, MBChB	No relevant financial relationships with ineligible companies to disclose.
Karel Breeman, MD	No relevant financial relationships with ineligible companies to disclose.
Karim Benali, MD	No relevant financial relationships with ineligible companies to disclose.
Karin Prussak, DNP, ACNPC, CCRN	No relevant financial relationships with ineligible companies to disclose.
Karine Guerrier, DO, MPH, MS	No relevant financial relationships with ineligible companies to disclose.
Karine Roy	No relevant financial relationships with ineligible companies to disclose.
Karl Firth, MSci	HRS Disclosures; Organization: CathVision, Relationship: Salary from Employment, Role: Independent Contractor (including contracted research), Comments: I am a full-time employee of CathVision ApS based in Copenhagen, Denmark in the position of Clinical Research Manager.
Karl-Heinz Kuck, MD	HRS Disclosures; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Karoly Kaszala, MD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Kars Neven, MD, PhD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Field Medical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Membership on Advisory Committees or Review Panels
Kassem Farhat, MD	No relevant financial relationships with ineligible companies to disclose.

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Katherine Allan, MASC, PhD	No relevant financial relationships with ineligible companies to disclose.
Kathleen Blake, MD, MPH	HRS Disclosures; Organization: Health 2047, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Kathleen Rousche	No relevant financial relationships with ineligible companies to disclose.
Kathryn Collins, MD	No relevant financial relationships with ineligible companies to disclose.
Kathryn K. Collins, MD, FHRS, CEPS-P	No relevant financial relationships with ineligible companies to disclose.
Kathryn Tiver, BMBS	No relevant financial relationships with ineligible companies to disclose.
Kathy A. Loveless, DNP, CEPS, CCDS	No relevant financial relationships with ineligible companies to disclose.
Kathy Loveless, DNP	No relevant financial relationships with ineligible companies to disclose.
Katia Dyrda, MD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Katja Odening, MD	No relevant financial relationships with ineligible companies to disclose.
Katsuhide Hayashi, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kavisha Patel, MD	No relevant financial relationships with ineligible companies to disclose.
Kazuki Shimojo	No relevant financial relationships with ineligible companies to disclose.
Kazuya Murata	No relevant financial relationships with ineligible companies to disclose.
Kei Enokizono	No relevant financial relationships with ineligible companies to disclose.
Keiko Shimamoto, MD	HRS Disclosures; Organization: CSL Behring, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: https://my.hrsonline.org/s/#/profile/disclosures
Keita Uchida, PhD	No relevant financial relationships with ineligible companies to disclose.
Kelly Arps, MD	No relevant financial relationships with ineligible companies to disclose.
Kelly Bergen, MSN, ACNP	No relevant financial relationships with ineligible companies to disclose.
Kelly Gajewski, MD	No relevant financial relationships with ineligible companies to disclose.
Kelly Jia	No relevant financial relationships with ineligible companies to disclose.
Kenneth A. Ellenbogen, MD, FHRS	Honoraria/Speaking/Consulting Fee: Boston Scientific, Medtronic, Kestra, Inc., Hylomorph, Biotronik, MediLynx, Impulse Dynamics USA, Abbott, Biosense Webster, Inc., Milestone Pharmaceuticals, Sanofi, Medpace, Royalty Income: Elsevier
Kenneth Bilchick, MD, MS	HRS Disclosures; Organization: Siemens Healthcare, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Kenneth Ellenbogen, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Kestra, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Hylomorph, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: MediLynx, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Elsevier, Relationship: Royalty Income, Role: Editor; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Kestra, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Research as well; Organization: Milestone Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medpace, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Kenneth Johan, MD	No relevant financial relationships with ineligible companies to disclose.
Kenneth Laurita, PhD	No relevant financial relationships with ineligible companies to disclose.
Kenneth Mayuga, MD	No relevant financial relationships with ineligible companies to disclose.
Kenneth Wong	No relevant financial relationships with ineligible companies to disclose.
Kensuke Sakata, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kentaro Ozu	No relevant financial relationships with ineligible companies to disclose.

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Kevin Lee, MD	No relevant financial relationships with ineligible companies to disclose.
Kevin Mair, MBA	No relevant financial relationships with ineligible companies to disclose.
Kevin Morales Del Moral, MD	No relevant financial relationships with ineligible companies to disclose.
Kevin Thomas, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Kevin Thomas, MD, FHRS	Honoraria/Speaking/Consulting Fee: Biosense Webster, Inc., Janssen Pharmaceuticals
Khaled Elkholey, MD	No relevant financial relationships with ineligible companies to disclose.
Khurram Butt	No relevant financial relationships with ineligible companies to disclose.
Kimberly DeCarr, BSBME	No relevant financial relationships with ineligible companies to disclose.
Kimberly Doerr	No relevant financial relationships with ineligible companies to disclose.
Kiran Mathews	HRS Disclosures; Organization: Element Science, Inc, Relationship: Salary from Employment, Role: Employment
KI-WOON KANG, MD	No relevant financial relationships with ineligible companies to disclose.
Kiyoshi Masuyama, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kohei Iwasa	No relevant financial relationships with ineligible companies to disclose.
Koichi Nagashima, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kolade Agboola, MD	No relevant financial relationships with ineligible companies to disclose.
Konstantinos Siontis, MD	No relevant financial relationships with ineligible companies to disclose.
Koonlawee Nademanee, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Royalty Income, Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Kosuke Nakasuka, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kousik Krishnan, MD	HRS Disclosures; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Krasimira Mikhova, MD	No relevant financial relationships with ineligible companies to disclose.
Krishna Akella, BA, DO	No relevant financial relationships with ineligible companies to disclose.
Krishna Pundi, BS, MD	HRS Disclosures; Organization: 100Plus, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Evidently, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Krista Fowler, BSN, MSN, APRN	No relevant financial relationships with ineligible companies to disclose.
Kristen B. Campbell, PharmD	No relevant financial relationships with ineligible companies to disclose.
Kristen Patton, MD	No relevant financial relationships with ineligible companies to disclose.
Kristie Coleman, BA, BSN, CCRC, RN	No relevant financial relationships with ineligible companies to disclose.
Kuan-Cheng Chang, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Kunal Tandon, MD	No relevant financial relationships with ineligible companies to disclose.
Kurbanbek Kalysov, Chief	No relevant financial relationships with ineligible companies to disclose.
Kurt Hoffmayer, MD, PharmD	HRS Disclosures; Organization: Samsung Electronics, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Vektor Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Arga Medtech, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Kusha Rahgozar	No relevant financial relationships with ineligible companies to disclose.
Kyoko Soejima, MD	HRS Disclosures; Organization: Medtronic Japan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Japan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Kyung-Yeon Lee, MD	No relevant financial relationships with ineligible companies to disclose.
L. Lee Eckhardt, MD	HRS Disclosures; Organization: UpToDate, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Chapter author
L. Lee Eckhardt, MD, FHRS	Honoraria/Speaking/Consulting Fee: UpToDate

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Lakshya Mittal, MS, PhD	HRS Disclosures; Organization: Abbott Medical, Relationship: Salary from Employment, Role: Employment, Comments: I am an employee of Abbott
Larry Chinitz, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Larry Jackson, MD, MHS	HRS Disclosures; Organization: Medscape, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: PRIME Education, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Health Monitor, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Alliance for Aging Research, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Lars Mattison, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Salary from Employment, Role: Employment
Lars Thording, BA, MA, PhD	No relevant financial relationships with ineligible companies to disclose.
Lassi Mäntyniemi	No relevant financial relationships with ineligible companies to disclose.
Laura King, MS, PAC	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: LAEO/WATCHMAN
Lauren Novak, MSN, CRNP	No relevant financial relationships with ineligible companies to disclose.
Lauren Rousseau, MS, PAC	HRS Disclosures; Organization: Medtronic, Relationship: Salary from Employment, Role: Consulting
Laurent Fauchier, MD, PhD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer/BMS, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: NovoNordisk, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Laurent Macle, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Laurent Macle, MD, FHRS	Honoraria/Speaking/Consulting Fee: Servier, Biosense Webster, Inc., Pfizer, Inc., Bristol-Myers Squibb, Abbott Medical, Medtronic, Inc.
Lauri Holmström, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Leah A. John, MD	No relevant financial relationships with ineligible companies to disclose.
Lena Rivard, MD, MSci	No relevant financial relationships with ineligible companies to disclose.
Leon Ptaszek, MD, PhD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: World Care Clinical Consultants, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Moderna Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Neutrace, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Aquaheart, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Neutrace, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Leonard Ilkhanoff, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Leonardo Knijnik	No relevant financial relationships with ineligible companies to disclose.
Leonardo Sacconi	No relevant financial relationships with ineligible companies to disclose.
Leonid Garber, MD	No relevant financial relationships with ineligible companies to disclose.
Leonie Kurzlechner, BS	No relevant financial relationships with ineligible companies to disclose.
Lia Crotti, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Lian Rekker, BS	No relevant financial relationships with ineligible companies to disclose.
Lijie Mi	No relevant financial relationships with ineligible companies to disclose.
Lin Yee Chen, MD	No relevant financial relationships with ineligible companies to disclose.
Linda Ottoboni, PhD, CNS	No relevant financial relationships with ineligible companies to disclose.

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Linda Schwartz, BSN, RN	No relevant financial relationships with ineligible companies to disclose.
Lindsey Gakenheimer-Smith, MD	No relevant financial relationships with ineligible companies to disclose.
Lingyu Xu, PhD	No relevant financial relationships with ineligible companies to disclose.
Lior Gepstein, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Lior Jankelson, MD, PhD	HRS Disclosures; Organization: Alterna, Relationship: Intellectual Property Rights, Role: Ownership
Lisa Albertini, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Lisa Gottlieb	No relevant financial relationships with ineligible companies to disclose.
Lisa Leung, MBChB	No relevant financial relationships with ineligible companies to disclose.
Lisa Roelle, PAC	No relevant financial relationships with ineligible companies to disclose.
Lisandra de Castro Brás	No relevant financial relationships with ineligible companies to disclose.
Li-Wei Lo, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Liyang Zhang, MD	No relevant financial relationships with ineligible companies to disclose.
Lockhart Jamieson, BS, PhD	No relevant financial relationships with ineligible companies to disclose.
Lohit Garg, MBBS, MD	HRS Disclosures; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Lorenzo Braghieri, MD	No relevant financial relationships with ineligible companies to disclose.
Louise Olde Nordkamp	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: The AAD, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Louise Segan	No relevant financial relationships with ineligible companies to disclose.
Lu Zhang, MD	No relevant financial relationships with ineligible companies to disclose.
Lucas Boersma, MD, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: fees go to cardiology department; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: fees go to cardiology department; Organization: Adagio Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: fees go to cardiology department; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: fees go to cardiology department; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: fees go to cardiology department; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: fees go to cardiology department
Luigi Di Biase, MD, PhD	HRS Disclosures; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Rhythm Management Group Corp, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Luis Aguinaga Arrascue, MBA, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Luis Quininir Salvatici, MD	No relevant financial relationships with ineligible companies to disclose.
Lukah Q. Tuan	No relevant financial relationships with ineligible companies to disclose.
Lukasz Cerbin, MD	No relevant financial relationships with ineligible companies to disclose.
Lyle Larson, PhD	No relevant financial relationships with ineligible companies to disclose.
Lynne Goodreau, MSN	No relevant financial relationships with ineligible companies to disclose.
Lynne Stevenson, MD	HRS Disclosures; Organization: LivaNova, Relationship: Chair of DSMB for trial, Role: Research
Maarten Kolk, MS	No relevant financial relationships with ineligible companies to disclose.
Madeleine Oster, DNP, MBA, NP	No relevant financial relationships with ineligible companies to disclose.
Mahbod Rahimi	No relevant financial relationships with ineligible companies to disclose.
Mahir Yilmaz, MD	No relevant financial relationships with ineligible companies to disclose.

Heart Rhythm 2023 Disclosures

Mahmoud Ali, MD	No relevant financial relationships with ineligible companies to disclose.
Mahmud Arif Pavel	No relevant financial relationships with ineligible companies to disclose.
Maiwand Ahmadsei, MD	No relevant financial relationships with ineligible companies to disclose.
Maiwand Mirwais, MD	No relevant financial relationships with ineligible companies to disclose.
Majd El-Harasis, MD	No relevant financial relationships with ineligible companies to disclose.
Majd Hemam, MD	No relevant financial relationships with ineligible companies to disclose.
Malini Madhavan, MBBS	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Man Wah, Amy Chu	No relevant financial relationships with ineligible companies to disclose.
Manal Quraishi	No relevant financial relationships with ineligible companies to disclose.
Manasa Gurumoorthi, MD	No relevant financial relationships with ineligible companies to disclose.
Manasvi Gupta, MD	HRS Disclosures; Organization: Allegheny General Hospital, Relationship: Salary from Employment, Role: Employment
Mandeep Bhargava, MD	No relevant financial relationships with ineligible companies to disclose.
Manlio Marquez, MD	No relevant financial relationships with ineligible companies to disclose.
Mansour Razminia, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Manu Ben-Johny	No relevant financial relationships with ineligible companies to disclose.
Marc Engels, MD	No relevant financial relationships with ineligible companies to disclose.
Marc Miller, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Marcin Kowalski, MBA, MD	HRS Disclosures; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Marcio Figueiredo, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Marco Perez, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Teaching course on subcutaneous ICD implant and discussant on COVID impact.; Organization: Feather Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: 2000 per month. Also have ownership stake.; Organization: Apple Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting fees over the last year.; Organization: Apple Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Hired for consulting work unrelated to research grant.; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Hired to do several courses on how to teach physicians how to implant Subcutaneous ICD.; Organization: QALY, Relationship: Ownership/Partnership/Principal, Role: Consulting, Comments: Consulting work done for this startup in exchange for fees and <1% ownership.; Organization: Bristol Myers Squibb Foundation Diverse Clinical Investigator Career Development, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Gave educational talk and consulted regarding new pharmaceutical.
Marek Jastrzebski, MD, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Margaret Harvey, PhD, ACNP	No relevant financial relationships with ineligible companies to disclose.
Margaret McKay	No relevant financial relationships with ineligible companies to disclose.
Margarida Pujol Lopez, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Maria Grazia Bongiorno, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership; Organization: FIAB, Relationship: Royalty Income, Role: Independent Contractor (including contracted research)
Marianna Meo, PhD	HRS Disclosures; Organization: EPD Solutions, Relationship: Salary from Employment, Role: Employment
Marina Cerrone, MD	HRS Disclosures; Organization: Ambry Genetics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: StrideBio, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: At present no consulting fees have been yet paid/provided
Marina Demidova, MD	No relevant financial relationships with ineligible companies to disclose.
Marina Strocchi, MSci, PhD	No relevant financial relationships with ineligible companies to disclose.

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Mario Delmar, MD, PhD	HRS Disclosures; Organization: Rocket Pharma, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: Total amount of contract for research purposes. Compensated effort to PI at \$20K/yr; Organization: BioMarin, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: BioMarin, Inc, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: The contract started on October 2022
Mario Mekhael, MD	No relevant financial relationships with ineligible companies to disclose.
Marissa Frazer	No relevant financial relationships with ineligible companies to disclose.
Mark Alexander, MD	HRS Disclosures; Organization: Wolters Kluwer, Relationship: Royalty Income, Role: Author, Comments: Author, UpToDate
Mark Estes, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Fellows Education; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Physicians Safety and Quality Panel
Mark Levin, MD	No relevant financial relationships with ineligible companies to disclose.
Mark Link, MD	No relevant financial relationships with ineligible companies to disclose.
Mark Schoenfeld, MD	HRS Disclosures; Organization: Apple Inc., Relationship: Stocks – Publicly Traded, Role: Ownership, Comments: Between my spouse and myself we own >\$100K in equity
Mark Warren, PhD	No relevant financial relationships with ineligible companies to disclose.
Markus Rottmann, PhD	No relevant financial relationships with ineligible companies to disclose.
Marmar Vaseghi, MD, MS, PhD	HRS Disclosures; Organization: NeuCures, Relationship: Stocks – Privately Held, Role: Minor share holder; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Recor Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Martha Ferrara, DNP, FNP	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Martin Aguilar, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Martin Bernier, MD	No relevant financial relationships with ineligible companies to disclose.
Martin Burke, DO	HRS Disclosures; Organization: AtaCor Medical Inc, Relationship: Ownership/Partnership/Principal, Role: Ownership; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Martin Green, MD	No relevant financial relationships with ineligible companies to disclose.
Martin LaPage, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Martin Stiles, MBChB, PhD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Ceryx Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Martina Gluscevic	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Royalty Income, Role: Research
Martina Marras, BSBME	No relevant financial relationships with ineligible companies to disclose.
Marvin Kajy, MD	No relevant financial relationships with ineligible companies to disclose.
Marwan M. Refaat, MD, FHRS	No relevant financial relationships with ineligible companies to disclose.
Marwan Refaat, MD	No relevant financial relationships with ineligible companies to disclose.
Mary Maleckar, PhD	No relevant financial relationships with ineligible companies to disclose.
Marye Gleva, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Clinical Trial design consultant; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Clinical Events Committee; Organization: Kestra, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: ECG Review Committee; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Electrogram review committee; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Marye J. Gleva, MD, FHRS	Honoraria/Speaking/Consulting Fee: Abbott, Sanofi, Boston Scientific, Zoll Medical Corporation, Biotronik, Medtronic, Kestra, Inc.
Masaaki Kurata, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Masafumi Sugawara	No relevant financial relationships with ineligible companies to disclose.
Masaharu Masuda, MPH, PhD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Masahide Harada, MD, PhD	No relevant financial relationships with ineligible companies to disclose.

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Masateru Takigawa, MD	HRS Disclosures; Organization: Abbott Japan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Masato Hachisuka, MD	No relevant financial relationships with ineligible companies to disclose.
Masaya Shinohara	No relevant financial relationships with ineligible companies to disclose.
Mathieu ECHIVARD, MD	No relevant financial relationships with ineligible companies to disclose.
Mathijs van Schie, MSci	No relevant financial relationships with ineligible companies to disclose.
Mats Steffi Jennifer Masilamani, MD	No relevant financial relationships with ineligible companies to disclose.
Matthew Fleming, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Matthew Henriques, MD	No relevant financial relationships with ineligible companies to disclose.
Matthew Jiang, MD	No relevant financial relationships with ineligible companies to disclose.
Matthew Kalscheur, MD	No relevant financial relationships with ineligible companies to disclose.
Matthew Mikulski, MD	No relevant financial relationships with ineligible companies to disclose.
Matthew Pulaski	No relevant financial relationships with ineligible companies to disclose.
Matthew Sather, MD	No relevant financial relationships with ineligible companies to disclose.
Matthew Wang	No relevant financial relationships with ineligible companies to disclose.
Matthew Zipse, MD	HRS Disclosures; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Matthias Mueller, MD	No relevant financial relationships with ineligible companies to disclose.
Maully Shah, MBBS	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I will be participating in a research project by Medtronic, Inc.; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Mauricio Abello, MD, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Mauricio Scanavacca, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Max King	No relevant financial relationships with ineligible companies to disclose.
Maxx Holmes, PhD	No relevant financial relationships with ineligible companies to disclose.
Meer Fakhry	No relevant financial relationships with ineligible companies to disclose.
Megan Antonellis, MS, PAC	No relevant financial relationships with ineligible companies to disclose.
Megan Barber, DO	No relevant financial relationships with ineligible companies to disclose.
Megan Gruber, DO	No relevant financial relationships with ineligible companies to disclose.
Megan Herrington, PAC	No relevant financial relationships with ineligible companies to disclose.
Megan Labreck, PharmD	No relevant financial relationships with ineligible companies to disclose.
Megan Lancaster, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Megan Streur, PhD, APRN, RN	HRS Disclosures; Organization: Amazon, Relationship: Salary from Employment, Role: Employment
Meghana Vallabhaneni, MD	No relevant financial relationships with ineligible companies to disclose.
Mehdi Juhoor, MSc	No relevant financial relationships with ineligible companies to disclose.
Melanie Gunawardene	HRS Disclosures; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Travel/Entertainment, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Meleze Hocini, MD	No relevant financial relationships with ineligible companies to disclose.
Melissa Harding, PAC	No relevant financial relationships with ineligible companies to disclose.
Melissa Kelly, MS	No relevant financial relationships with ineligible companies to disclose.
Melissa Middeldorp, PhD	No relevant financial relationships with ineligible companies to disclose.

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Melissa Olen, MSN	No relevant financial relationships with ineligible companies to disclose.
Melissa Robinson, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Melvin Lorenzo, PhD	HRS Disclosures; Organization: Arga Medtech, Relationship: Stock Options – Privately Held (including start-up companies), Role: Employment
Melvin Scheinman, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Mena Abdelsayed	No relevant financial relationships with ineligible companies to disclose.
Men-Tzung Lo, PhD	No relevant financial relationships with ineligible companies to disclose.
Michael Ackerman, MD, PhD	HRS Disclosures; Organization: AliveCor, Relationship: Intellectual Property Rights, Role: Consulting, Comments: This is a Mayo Clinic-AliveCor licensing agreement for which as of 04/08/2019, none of the Mayo "inventors" including myself have received any money.; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Nothing in the past 12 months. In previous years, received on average \$2000-3000 per year for consultant honoraria.; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: UpToDate, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Content for Long QT Syndrome; Organization: ARMGO Pharma, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: LQT Therapeutics, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Anumana, Relationship: Intellectual Property Rights, Role: Consulting; Organization: Pfizer, Inc., Relationship: Intellectual Property Rights, Role: Consulting; Organization: Tenaya Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Michael Barkett, MD	No relevant financial relationships with ineligible companies to disclose.
Michael Cain, MD	No relevant financial relationships with ineligible companies to disclose.
Michael Cundiff, MD	No relevant financial relationships with ineligible companies to disclose.
Michael Cutler, DO, PhD	HRS Disclosures; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research, Comments: HeartLine Study Steering Committee; Organization: Tinnium, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: 2% ownership interest; Organization: Focused Therapeutics, Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership; Organization: Amplifica, Relationship: Stocks – Privately Held, Role: Ownership
Michael Dietrich	No relevant financial relationships with ineligible companies to disclose.
Michael Field, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: VISITAG study PI; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: BELT study PI; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Tactiflex IDE study PI
Michael Ghannam, MD	No relevant financial relationships with ineligible companies to disclose.
Michael Glikson, MD	HRS Disclosures; Organization: EPD Solutions, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: All goes to hospital; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Michael Gold, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Steering Committee; Organization: CVRx Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Advisory board and steering committee of clinical trials; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: I have consulting fees and speaker fees with BSC, as well as participation on
Michael Gurin, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Michael Liu, MD PhD	No relevant financial relationships with ineligible companies to disclose.
Michael Lloyd, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Michael Rosenberg, MD	No relevant financial relationships with ineligible companies to disclose.
Michael Salerno	HRS Disclosures; Organization: GE Healthcare, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research Support for MRI sequence development
Michael Shehata, MD	No relevant financial relationships with ineligible companies to disclose.
Michael Waight, BS, MBBS	No relevant financial relationships with ineligible companies to disclose.

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Michal Kawczynski	No relevant financial relationships with ineligible companies to disclose.
Michelle Jaeger, DNP, ANP, CCRN	No relevant financial relationships with ineligible companies to disclose.
Michelle Samuel, MPH, PhD	No relevant financial relationships with ineligible companies to disclose.
Michiel Tubeecx, MD	No relevant financial relationships with ineligible companies to disclose.
Michifumi Tokuda, MD	HRS Disclosures; Organization: Medtronic Japan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Miguel Rodrigo, PhD	HRS Disclosures; Organization: Corify Health Care S.L., Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership
Miguel Valderrabano, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Circa Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Mihail Chelu, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Impulse Dynamics USA, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Mikhael El-Chami, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: PI on studies.; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: In addition to food/beverage provided during meetings; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: 16000 consulting fees. In addition to travel to meetings and food/beverage provided during meetings; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Institutional research funds. No personal payments (no payments for myself)
Mikhael F. El-Chami, MD, FHRS	Honoraria/Speaking/Consulting Fee: Boston Scientific, Medtronic
Min Choon Tan, MD	HRS Disclosures; Organization: NYMC at Saint Michael's Medical Center, Relationship: Salary from Employment, Role: Employment
Mina Chung, MD	HRS Disclosures; Organization: Elsevier, Relationship: Royalty Income, Role: Book author; Organization: UpToDate, Inc., Relationship: Royalty Income, Role: Author; Organization: Northwell Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: CME Cardiology GRs talk; Organization: Postgraduate Institute for Medicine, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Cardiometabolic Health Congress - Master Class Faculty; Organization: University of Pittsburgh Medical Center, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Cardiology GRs CME speaker
Mina K. Chung, MD, FHRS	Royalty Income: Elsevier, UpToDate, Inc.
Ming Zhu	No relevant financial relationships with ineligible companies to disclose.
Minglang Yin, PhD	No relevant financial relationships with ineligible companies to disclose.
Ming-Lon Young, MB, MPH	No relevant financial relationships with ineligible companies to disclose.
Mintu Turakhia, MD, MS	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: >100k -mv; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Sanofi, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: 100Plus, Relationship: Stocks – Privately Held, Role: Board Membership; Organization: iRhythm Technologies, Relationship: Salary from Employment, Role: Employment
Mirmilad Pourmousavi Khoshknab, MD	No relevant financial relationships with ineligible companies to disclose.
Miruna Popa, MD	No relevant financial relationships with ineligible companies to disclose.
Misha Regouski, BS	No relevant financial relationships with ineligible companies to disclose.
Mitchell Cohen, MD	No relevant financial relationships with ineligible companies to disclose.
Miyako Igarashi, MD	No relevant financial relationships with ineligible companies to disclose.
Miyo Nakano, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Mobasser Mahmood	No relevant financial relationships with ineligible companies to disclose.
Mohamad Raad, MD	No relevant financial relationships with ineligible companies to disclose.
Mohamed Homs, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Mohamed Kanj, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Mohammad Amin Eshghabadi, MD	No relevant financial relationships with ineligible companies to disclose.
Mohammad Hamza, MBBS	No relevant financial relationships with ineligible companies to disclose.

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Mohammadali Habibi, MD	No relevant financial relationships with ineligible companies to disclose.
Mohammed Faisaluddin, MD	No relevant financial relationships with ineligible companies to disclose.
Mohit Turagam, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Monica Korzon	HRS Disclosures; Organization: Abbott, Relationship: Salary from Employment, Role: Employment
Monica Pammer Austin, PAC	HRS Disclosures; Organization: CHART Healthcare Academy, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Moniek Maarse	No relevant financial relationships with ineligible companies to disclose.
Monodeep Biswas, MD	No relevant financial relationships with ineligible companies to disclose.
Moonkyung Jung	No relevant financial relationships with ineligible companies to disclose.
Moris Topaz, MD	HRS Disclosures; Organization: IVT Medical Ltd., Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: Moris Topaz, M.D., Ph.D., is the inventor of the TopClosure®, the Vcare α®, and the Mecare ® systems and CEO of IVT Medical Ltd., manufacturing the devices.
Moshe Katz, MD	No relevant financial relationships with ineligible companies to disclose.
Mouhannad Sadek, MD	No relevant financial relationships with ineligible companies to disclose.
Moussa Mansour, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: KODEX -EPD, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: NewPace Ltd, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting
Moyuru Hirata	No relevant financial relationships with ineligible companies to disclose.
Muazzum Shah, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Muhammad Ayub, MBBS, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Muhammad Khan, PhD	No relevant financial relationships with ineligible companies to disclose.
Muhammad Osama	No relevant financial relationships with ineligible companies to disclose.
Munim Khan, BS, MD, MHS	No relevant financial relationships with ineligible companies to disclose.
Munveer Thind, MD	No relevant financial relationships with ineligible companies to disclose.
Murad Almasri, MD	No relevant financial relationships with ineligible companies to disclose.
Muthiah Subramanian, MD	No relevant financial relationships with ineligible companies to disclose.
Muzna Hussain	No relevant financial relationships with ineligible companies to disclose.
Myrthe van der Heide, MD	No relevant financial relationships with ineligible companies to disclose.
N. Rokhaya FAYE, PhD	No relevant financial relationships with ineligible companies to disclose.
Na Li, PhD	No relevant financial relationships with ineligible companies to disclose.
Nada Hafez	No relevant financial relationships with ineligible companies to disclose.
Nadeev Wijesuriya, MBBS	No relevant financial relationships with ineligible companies to disclose.
Naga Venkata Pothineni, MD	No relevant financial relationships with ineligible companies to disclose.
Nan Wu	No relevant financial relationships with ineligible companies to disclose.
Nana Liu	No relevant financial relationships with ineligible companies to disclose.
Nancy Duran, FNP, NP	No relevant financial relationships with ineligible companies to disclose.
Nancy Lee, RN	No relevant financial relationships with ineligible companies to disclose.
Nanqing Xiong, MD	No relevant financial relationships with ineligible companies to disclose.
Naohiko Sahara, MD	No relevant financial relationships with ineligible companies to disclose.
Naoto Otsuka	No relevant financial relationships with ineligible companies to disclose.
Narimane Gassa	No relevant financial relationships with ineligible companies to disclose.

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Nassir Marrouche, MD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: DECAAF II sponsorship; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: DECAAF II sponsorship; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Cardiac Design, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: Sibling, CEO of Cardiac Design; Organization: Janssen Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research
Natalia Trayanova, PhD	HRS Disclosures; Organization: CardioSolv Ablation Technologies, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: Revised 8/17/2020
Natasja De Groot, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Nathan Denham, BM, PhD	No relevant financial relationships with ineligible companies to disclose.
Nathan Stein, MD	No relevant financial relationships with ineligible companies to disclose.
Nathan Tucker, PhD	No relevant financial relationships with ineligible companies to disclose.
Nathaniel Steiger, MD	No relevant financial relationships with ineligible companies to disclose.
Nawin Ramdat Misier, BM	No relevant financial relationships with ineligible companies to disclose.
Nazem Akoum, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Nazem Akoum, MD, MS, FHRS	No relevant financial relationships with ineligible companies to disclose.
Neal Bhatia, MD	No relevant financial relationships with ineligible companies to disclose.
Neil Connery, MSN, APRN	No relevant financial relationships with ineligible companies to disclose.
Neil Herring, BMBS, MA, DPhil	No relevant financial relationships with ineligible companies to disclose.
Neil Srinivasan, MBChB	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Nele Vandersickel, PhD	No relevant financial relationships with ineligible companies to disclose.
Nels Knutson, PhD	No relevant financial relationships with ineligible companies to disclose.
Nestor Lopez-Cabanillas, MD	No relevant financial relationships with ineligible companies to disclose.
Nicholas Ambrosius, BSBME	HRS Disclosures; Organization: Abbott, Relationship: Stocks – Publicly Traded, Role: Employment
Nicholas Beccarino	No relevant financial relationships with ineligible companies to disclose.
Nicholas Crust	No relevant financial relationships with ineligible companies to disclose.
Nicholas James	No relevant financial relationships with ineligible companies to disclose.
Nicholas Tan, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Nicholas Von Bergen, MD	HRS Disclosures; Organization: Atrility Medical, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: Founder
Nicholay Teodorovich, MD	No relevant financial relationships with ineligible companies to disclose.
Nico Reinsch	No relevant financial relationships with ineligible companies to disclose.
NICOLAS CLEMENTY, MD, PhD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
NICOLAS DERVAL, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Nicole Cain, MD	No relevant financial relationships with ineligible companies to disclose.
Nicole Habel, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: CoreMap, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: CoreMap, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: VisibleEP, Relationship: Ownership/Partnership/Principal, Role: Ownership
Nicole Marie Lopez, MD	No relevant financial relationships with ineligible companies to disclose.
nicoline van den berg, MD	HRS Disclosures; Organization: Julius Clinical Research BV, Relationship: Salary from Employment, Role: Consulting, Comments: temporary consultancy position for contract research organization
Nigel Gupta, MD	No relevant financial relationships with ineligible companies to disclose.

Heart Rhythm 2023 Disclosures

Nikhil Ahluwalia	No relevant financial relationships with ineligible companies to disclose.
Nikhil Mehta, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
NIKITA NAND	No relevant financial relationships with ineligible companies to disclose.
Nikki van Pouderoijen, MSci	No relevant financial relationships with ineligible companies to disclose.
Nikolaos Dagres, MD	No relevant financial relationships with ineligible companies to disclose.
Ning Li, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Nipavan Chiamvimonvat, MD	No relevant financial relationships with ineligible companies to disclose.
Niraj Varma, MD, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Cardiologs, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Pacemate, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Implicity, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: EP Solutions, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Nishaki Mehta, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Research Grant Support, Role: Research; Organization: S4 Medical, Relationship: Intellectual Property Rights, Role: IP on original patent for device esolution; Organization: Kardium, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: conducted research; Organization: Medscape, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: creation of educational content; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Nishkala Shivakumar	No relevant financial relationships with ineligible companies to disclose.
Nithi Tokavanich	No relevant financial relationships with ineligible companies to disclose.
Nitish Badhwar, MBBS	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: teaching course for fellows; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: teaching course for fellows; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Nobuhiko Ueda, MD	HRS Disclosures; Organization: Medtronic Japan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Nolan Hight, CRNP	No relevant financial relationships with ineligible companies to disclose.
Nour Chouman, MD	No relevant financial relationships with ineligible companies to disclose.
Obada Abou-Assali, MS	No relevant financial relationships with ineligible companies to disclose.
Ojasav Sehrawat, MBBS	No relevant financial relationships with ineligible companies to disclose.
Olga Reynbakh, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Oliver DSilva, MD	No relevant financial relationships with ineligible companies to disclose.
Olujimi Ajjola, MD, PhD	HRS Disclosures; Organization: NeuCures, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: New company, no actual value at present; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Merck, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: n/a; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Olurotimi Mesubi, MBBS, MPH	HRS Disclosures; Organization: Broadview Ventures Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Oluwaseun Adeola, MD	No relevant financial relationships with ineligible companies to disclose.
Omar Al Ali, MD	No relevant financial relationships with ineligible companies to disclose.
Omar Gharbia, PhD	No relevant financial relationships with ineligible companies to disclose.
Omar Kreidieh	No relevant financial relationships with ineligible companies to disclose.
Omer Berenfeld, PhD	HRS Disclosures; Organization: Cor-DX, LLC, Relationship: Ownership/Partnership/Principal, Role: Research; Organization: CoreMap, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research)
Óscar Cano, MD, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting

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Oscar Oseroff, MD	No relevant financial relationships with ineligible companies to disclose.
Oussama Wazni, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
P Boyden, phd	No relevant financial relationships with ineligible companies to disclose.
Pablo Nery, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Pam Magnani	No relevant financial relationships with ineligible companies to disclose.
Pamela Mason, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Apple Inc., Relationship: Stocks – Publicly Traded, Role: Ownership, Comments: Spouse owns stock.
Pamela Samson, MD	HRS Disclosures; Organization: Varian Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Paola MILPIED, PhD	HRS Disclosures; Organization: Volta Medical, Relationship: Salary from Employment, Role: Management Position; Organization: Volta Medical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Management Position
Paolo Compagnucci, MD	No relevant financial relationships with ineligible companies to disclose.
PAOLO DE FILIPPO, MD	No relevant financial relationships with ineligible companies to disclose.
Parikshit Sharma, MD, MPH	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Parker O'Neill, MBBS	No relevant financial relationships with ineligible companies to disclose.
Pasquale Santangeli, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Asahi Medical, Relationship: Honoraria/Speaking/Consulting Fee: Biosense Webster, Inc., Abbott, Medtronic, Asahi Medical, Research (Contracted Grants for PIs and Named Investigators Only): Biosense Webster, Inc., Role: Consulting
Patricia Chen	No relevant financial relationships with ineligible companies to disclose.
Patrick Boyle, BS, PhD	HRS Disclosures; Organization: General Electric, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: As part of a recent research project, GE agreed to give us free access to a software module that lets us export digitized versions of patient EKGs. The software was provided in-kind and no other financial support was provided.; Organization: Sana Biotechnology, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Dr. Boyle's lab is engaged in a sponsored research agreement (SRA) with Sana. The SRA was approved May 3rd, 2021 and is retroactive to April 1st, 2021.
Patrick Ellinor, MD, PhD	HRS Disclosures; Organization: Novartis, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting related to atrial fibrillation; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: This is a research grant from Bayer to the Broad Institute and encompasses projects in oncology and cardiology. The PI is Eric Lander and I am one of the investigators on the award, but I am not specifically named on the award so not sure if this one should be included; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting related to therapeutic development for cardiovascular diseases; Organization: IBM, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant to the Broad related to ML for CVD
Patrick Lynch, MD	No relevant financial relationships with ineligible companies to disclose.
Patrick Strickland	No relevant financial relationships with ineligible companies to disclose.
Patrick Tchou, MD	No relevant financial relationships with ineligible companies to disclose.
Patrik Tóth, MD	No relevant financial relationships with ineligible companies to disclose.
Patrizio Pascale	No relevant financial relationships with ineligible companies to disclose.
Paul Coplan, MBA, PhD	HRS Disclosures; Organization: Johnson & Johnson, Relationship: Salary from Employment, Role: Research
Paul Dorian, MD	HRS Disclosures; Organization: Acesion Pharma, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Milestone, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Allergan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting

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Paul Friedman, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: Previously had performed compensation for research; currently no personal compensation for PI role in multi center study; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: No personal compensation; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: All funds to Mayo Clinic, no personal compensation; Organization: AliveCor, Relationship: Intellectual Property Rights, Role: Intellectual property rights, Comments: Via Mayo Clinic; licensed IP; Organization: Anumana, Relationship: Intellectual Property Rights, Role: Membership on Advisory Committees or Review Panels, Comments: Licensed IP and advisory all managed via Mayo Clinic; Organization: AliveCor, Relationship: Intellectual Property Rights, Role: Independent Contractor (including contracted research), Comments: Intellectual Property Rights via Mayo Clinic; Organization: Inference, Relationship: Intellectual Property Rights, Role: Research, Comments: Intellectual Property Rights via Mayo Clinic; Organization: Medicoool, Relationship: Intellectual Property Rights, Role: Board Membership, Comments: Intellectual Property Rights via Mayo Clinic; Organization: Eko, Relationship: Intellectual Property Rights, Role: Independent Contractor (including contracted research), Comments: Intellectual Property Rights via Mayo Clinic; Organization: Marani, Relationship: Intellectual Property Rights, Role: Research; Organization: XAI.health, Relationship: Intellectual Property Rights, Role: Board Membership
Paul Khairy, MDCM, PhD	No relevant financial relationships with ineligible companies to disclose.
Paul Kim, MD	No relevant financial relationships with ineligible companies to disclose.
Paul Roberts	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Paul Varosy, MD	No relevant financial relationships with ineligible companies to disclose.
Paul Wang, MD	HRS Disclosures; Organization: EpiEndoAF, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Co-Founder
Paul Zei, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Varian Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Affera, Inc., Relationship: Stock Options – Publicly Traded, Role: Consulting
Paula Sanchez Somonte	No relevant financial relationships with ineligible companies to disclose.
Paurush Ambesh, MD	No relevant financial relationships with ineligible companies to disclose.
Pavel Hala	No relevant financial relationships with ineligible companies to disclose.
Pavel Leinveber	HRS Disclosures; Organization: VDI Technology, Relationship: Ownership/Partnership/Principal, Role: Ownership
Pawel Derejko, MD, PhD	HRS Disclosures; Organization: Adagio Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Independent Contractor (including contracted research); Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: CardioVia, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Payam Safavi-Naeini, MD	No relevant financial relationships with ineligible companies to disclose.
Pei-Fang Hung	No relevant financial relationships with ineligible companies to disclose.
Peng-Sheng Chen, MD	No relevant financial relationships with ineligible companies to disclose.
Peng-Sheng Chen, MD, FHRS	No relevant financial relationships with ineligible companies to disclose.
Peter Aziz, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Peter Fischbach, MA, MD	No relevant financial relationships with ineligible companies to disclose.
Peter Hanna, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Peter Kistler, MBBS, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Peter Rothstein, MD	No relevant financial relationships with ineligible companies to disclose.
Peter Schwartz, MD	HRS Disclosures; Organization: Amgen, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Peter Stiavnický	No relevant financial relationships with ineligible companies to disclose.
Péter Vámosi, MD	No relevant financial relationships with ineligible companies to disclose.
Peter Zimetbaum, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Farapulse, Relationship: On the clinical events committee, Role: Independent Contractor (including contracted research), Comments: CEC member

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Petr Neuzil, MD	HRS Disclosures; Organization: EBR Systems, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: NewPace Ltd, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: CardioFocus, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Apama Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Petr Peichl, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Philip Wiener, DO	No relevant financial relationships with ineligible companies to disclose.
Philipp Hegner	No relevant financial relationships with ineligible companies to disclose.
Philipp Sommer, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Philippa Krahn, PhD	No relevant financial relationships with ineligible companies to disclose.
Phillip Cuculich, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Development for Cardioinsight noninvasive mapping system; Organization: Varian Medical Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Development for noninvasive cardiac ablation platform; clinical trial development; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Pier Lambiase, BCH, BM, MBChB, PhD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Pierce Vatterott, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cook Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Pierre Jais, MD	HRS Disclosures; Organization: Farapulse, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting
Pierre Qian, MBBS, PhD	No relevant financial relationships with ineligible companies to disclose.
Pierre-Olivier Veillette, MD	No relevant financial relationships with ineligible companies to disclose.
Pietro Francia, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Piotr Futyma, MD, PhD	HRS Disclosures; Organization: APT Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Republic of Poland Patent Office, Relationship: Intellectual Property Rights, Role: Ownership, Comments: Patent applications associated with bipolar ablation and high-voltage impulse delivery; Organization: SERB, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: CorSystem (start-up), Relationship: Ownership/Partnership/Principal, Role: Ownership
Piotr Horbal, DO	No relevant financial relationships with ineligible companies to disclose.
Pipin Kojodjojo, MBBS, PhD	No relevant financial relationships with ineligible companies to disclose.
Po-Tseng Lee, BM, MD	No relevant financial relationships with ineligible companies to disclose.
Pouria Shoureshi, MD	No relevant financial relationships with ineligible companies to disclose.
Praloy Chakraborty, MD	No relevant financial relationships with ineligible companies to disclose.
Pramod Savarapu, MD	No relevant financial relationships with ineligible companies to disclose.
Praneeth Katrapati, MD	No relevant financial relationships with ineligible companies to disclose.
Prapa Kanagaratnam, MBChB, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Royalty Income, Role: Consulting; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Prashant Bhawe, MD	No relevant financial relationships with ineligible companies to disclose.

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Prashanthan Sanders, MBBS, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Multiple talks at scientific sessions. Contract through the University of Adelaide; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Advisory board and speaking at scientific sessions. Contracts through the University of Adelaide; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: advisory board and presentations at scientific sessions. Contracts through the University of Adelaide; Organization: Boston Scientific, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Investigator initiated research funding through the University of Adelaide; Organization: Abbott, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Investigator initiated research funding through the University of Adelaide; Organization: Medtronic, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Investigator Initiated Research Funding through the University of Adelaide; Organization: CathRx, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Independent Contractor (including contracted research), Comments: Advisory board chair and Investigator initiated research funding through the University of Adelaide; Organization: Pacemate, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Membership on Advisory Committees or Review Panels, Comments: Medical Advisory Board Membership. Research Funding. All contracted through the University of Adelaide.; Organization: MicroPort Scientific Corporation, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Investigator initiated research funding through the University of Adelaide; Organization: Becton Dickinson, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Investigator initiated research funding through the University of Adelaide; Organization: EBR Systems, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Membership on Advisory Committees or Review Panels, Comments: Contracted research through the University of Adelaide. Member of the Steering Committee.
Predrag Stojadinovic, MD	No relevant financial relationships with ineligible companies to disclose.
Prince Kannankeril, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Przemyslaw Radwanski, PharmD, PhD	No relevant financial relationships with ineligible companies to disclose.
Puck Peltenburg, MD	No relevant financial relationships with ineligible companies to disclose.
Pugazhendhi Vijayaraman, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Pugazhendhi Vijayaraman, MD, FHRS	Honoraria/Speaking/Consulting Fee: Abbott, Medtronic, Biotronik, Boston Scientific, Abbott Medical, Research (Contracted Grants for Pls and Named Investigators Only): Medtronic, Fellowship Support: Medtronic
Pyotr Platonov, MD, PhD	HRS Disclosures; Organization: Tenaya Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Qasim Naeemah, MBChB	No relevant financial relationships with ineligible companies to disclose.
Rabeea Siddiqui	No relevant financial relationships with ineligible companies to disclose.
Rachel Koch, MD	No relevant financial relationships with ineligible companies to disclose.
Rachel Lampert, MD	HRS Disclosures; Organization: MediLynx, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: last payment 5/23, resigned role at that time
Rachel Schreier, MSN, ACNP, APRN	No relevant financial relationships with ineligible companies to disclose.
Rachit Vakil, MD	No relevant financial relationships with ineligible companies to disclose.
Rachita Navara, MD	No relevant financial relationships with ineligible companies to disclose.
Rachna Kataria	No relevant financial relationships with ineligible companies to disclose.
Rafat Mahmood, MD	No relevant financial relationships with ineligible companies to disclose.
Raffaele Corbisiero, MD	HRS Disclosures; Organization: Biotronik, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Rafik Tadros, MD, PhD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Rahul Bhardwaj, MD	HRS Disclosures; Organization: Abiomed, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)

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Rahul Doshi, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Rahul Jain, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Raj Dalsania	No relevant financial relationships with ineligible companies to disclose.
Raja Suhail, MD	No relevant financial relationships with ineligible companies to disclose.
Rajat Deo, MD	HRS Disclosures; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: iRhythm Technologies, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Rajeev Pathak, MBBS, PhD	No relevant financial relationships with ineligible companies to disclose.
Rajesh Kabra, MD	No relevant financial relationships with ineligible companies to disclose.
Rakesh Gopinathannair, MA, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Primarily for faculty at fellows/trainee programs and also for proctoring cases; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Speaker/faculty for fellows/APP education programs on EP and device management; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Rakesh Gopinathannair, MA, MD, FHRS	Honoraria/Speaking/Consulting Fee: Abbott, Sanofi, Boston Scientific, Biosense Webster, Inc., Zoll Medical Corporation, Pfizer, Inc., Academy for Continued Healthcare Learning
Ramez Bodair	No relevant financial relationships with ineligible companies to disclose.
Ramin Garmany, BS	No relevant financial relationships with ineligible companies to disclose.
Ramkumar Venkateswaran, MD	No relevant financial relationships with ineligible companies to disclose.
Rand Ibrahim, MD	No relevant financial relationships with ineligible companies to disclose.
Randall Bryant, MD	No relevant financial relationships with ineligible companies to disclose.
Randy Lieberman, MD	HRS Disclosures; Organization: Aziyo Biologics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Rangadham Nagarakanti, MD	No relevant financial relationships with ineligible companies to disclose.
Raquel Neves, MD	No relevant financial relationships with ineligible companies to disclose.
Rashad Khazi Syed, MD	No relevant financial relationships with ineligible companies to disclose.
Ratika Parkash, MD, MS	HRS Disclosures; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Novartis, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Ratika Parkash, MD, MS, FHRS	Honoraria/Speaking/Consulting Fee: Servier, Medtronic, Research (Contracted Grants for PIs and Named Investigators Only): Abbott, Medtronic, Novartis
Ravi Birla	No relevant financial relationships with ineligible companies to disclose.
Ravi Ranjan, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: This is a research grant to the University of Utah with RR (me) as the PI.
Ravi Shah, MBA, MD	No relevant financial relationships with ineligible companies to disclose.
Rebecca Gilchrist, BA	No relevant financial relationships with ineligible companies to disclose.
Rebecca Wigant, NP	No relevant financial relationships with ineligible companies to disclose.
Reginald Ho, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Reiko Fukuda, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Reina Tan, MD	No relevant financial relationships with ineligible companies to disclose.

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Reinoud Knops, MD, PhD	HRS Disclosures; Organization: AtaCor Medical Inc, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Kestra, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cairdac, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Remi Dubois, PhD	HRS Disclosures; Organization: Microport CRM, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Rengasayee Veeraraghavan, PhD	No relevant financial relationships with ineligible companies to disclose.
Reshma Amin, BMBS	No relevant financial relationships with ineligible companies to disclose.
Rhea Pimentel, MD	HRS Disclosures; Organization: Medtronic, Relationship: Speakers' Bureau, Role: Speaking and Teaching, Comments: Fellow conference; Organization: Boston Scientific, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Advisory committee and conference speaker
Rian Philip	No relevant financial relationships with ineligible companies to disclose.
Riaz Mahmood, DO	No relevant financial relationships with ineligible companies to disclose.
Ricardo Kuniyoshi, MD, PhD	HRS Disclosures; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Riccardo Cappato, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: St. Jude Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boehringer Ingelheim, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Bard Electrophysiology, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Richard Carrick, MD, PhD	HRS Disclosures; Organization: CoreMap, Relationship: Salary from Employment, Role: Consulting
Richard Czosek, MD	No relevant financial relationships with ineligible companies to disclose.
Richard Fogel, MD	No relevant financial relationships with ineligible companies to disclose.
Richard Hauer, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Richard Pham, MD	No relevant financial relationships with ineligible companies to disclose.
RICHARD Soto Becerra	No relevant financial relationships with ineligible companies to disclose.
Riina Kandolin	No relevant financial relationships with ineligible companies to disclose.
Rishi Arora, MD	No relevant financial relationships with ineligible companies to disclose.
Rita Amador, MD	No relevant financial relationships with ineligible companies to disclose.
Rita Gagyi, MD	No relevant financial relationships with ineligible companies to disclose.
Ritu Yadav, MBBS	No relevant financial relationships with ineligible companies to disclose.
Robert D'Angelo, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Robert Hauser, BS, MD, CCS	HRS Disclosures; Organization: Cardiac Insight, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Robert Koeth, MD	No relevant financial relationships with ineligible companies to disclose.
Robert Pass, MD	No relevant financial relationships with ineligible companies to disclose.
Robert Przybylski, MD	No relevant financial relationships with ineligible companies to disclose.
Robert Rademaker, MD	No relevant financial relationships with ineligible companies to disclose.
Robert Schaller, DO	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Robert Sheldon, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Robert Whitehill, MD	No relevant financial relationships with ineligible companies to disclose.
Robin Leahy, BSN, MS, RN	HRS Disclosures; Organization: Implicit, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: One time consulting opportunity. Ended 12/30/20.; Organization: Pacemate, Relationship: Salary from Employment, Role: Management Position, Comments: New role began 1/4/2021

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Robyn Hyland, MS, CGC	No relevant financial relationships with ineligible companies to disclose.
Rod Passman, MD	HRS Disclosures; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: UpToDate, Inc., Relationship: Royalty Income, Role: AUTHOR; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: I receive no income from this; research support only; Organization: Apple Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Roderick Tung, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: 2021 total; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: 2021 total; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: 2021 total; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: 2021 total; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: 2021 total
Rodrigo Miguel dos Santos, PhD	No relevant financial relationships with ineligible companies to disclose.
Rohan Gajjar, MBBS	No relevant financial relationships with ineligible companies to disclose.
Rohan Kumthekar, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: PeriCor, LLC, Relationship: Ownership/Partnership/Principal, Role: Ownership
Rohan Trivedi, BSE, DO	No relevant financial relationships with ineligible companies to disclose.
Rohit Mehta, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: approximate amount; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: approximate amount
Ronak Shah, MD	No relevant financial relationships with ineligible companies to disclose.
Ronald Berger, MD, PhD	HRS Disclosures; Organization: Imricor, Relationship: Stocks – Publicly Traded, Role: Ownership
Ronn Tanel, MD	No relevant financial relationships with ineligible companies to disclose.
Roopinder Sandhu, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Rose Dixon	No relevant financial relationships with ineligible companies to disclose.
Roy Chung, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Roy John, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Roy M. John, MD PhD FHRS	Honoraria/Speaking/Consulting Fee: Abbott
Ruben Coronel, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Rui Shi, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Rune Paamand	HRS Disclosures; Organization: CathVision, Relationship: Salary from Employment, Role: Employment
Ruthanne Keim, BSN	No relevant financial relationships with ineligible companies to disclose.
Ryan Donovan, PA	HRS Disclosures; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Honoraria for educational programs.; Organization: Boston Scientific, Relationship: Stocks – Publicly Traded, Role: Ownership, Comments: Stock
Ryan Kipp, MD	No relevant financial relationships with ineligible companies to disclose.
Ryan O'Hara, BS	No relevant financial relationships with ineligible companies to disclose.
Ryle Przybylowicz, BS, MD	No relevant financial relationships with ineligible companies to disclose.
Ryo Wada	No relevant financial relationships with ineligible companies to disclose.
Ryuta Watanabe, MD	No relevant financial relationships with ineligible companies to disclose.
S. Allan Petty, DO	No relevant financial relationships with ineligible companies to disclose.
Saba Munawar, PhD	No relevant financial relationships with ineligible companies to disclose.
Sabine Ernst, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Stereotaxis, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: MediLumics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: LuxMed, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Sahej Bains	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Royalty Income, Role: Research
Saima Karim, DO	No relevant financial relationships with ineligible companies to disclose.
Sairamya Bodempudi, MD	No relevant financial relationships with ineligible companies to disclose.

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Saketram Komanduri	No relevant financial relationships with ineligible companies to disclose.
Salim Idriss, MD, PhD	HRS Disclosures; Organization: GE Healthcare, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Sallie Gustafson, BSN	No relevant financial relationships with ineligible companies to disclose.
Saman Nazarian, MD, PhD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: PI for research grant awarded to U Penn; Organization: Imricor, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: PI for research Grant awarded to U Penn; Organization: CardioSolv, LLC, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Circle Software, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: ADAS 3D, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: PI for research grant awarded to U Penn; Organization: Circle Software, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Samantha Hamrick, BS	No relevant financial relationships with ineligible companies to disclose.
Sameer Jamal, MD	No relevant financial relationships with ineligible companies to disclose.
Sami Viskin, MD	No relevant financial relationships with ineligible companies to disclose.
Samir Awasthi	HRS Disclosures; Organization: nference, Inc., Relationship: Salary from Employment, Role: Employment; Organization: Anumana, Relationship: Stock Options – Privately Held (including start-up companies), Role: Management Position; Organization: nference, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Management Position
Samir Saba, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: This is funding for a physician-initiated multi-site (up to 10 sites), US based RCT
Samuel Asirvatham, MD	HRS Disclosures; Organization: St. Jude Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosig Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Samuel Jones, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Samuel Maidman, MD	No relevant financial relationships with ineligible companies to disclose.
Samuel Shabtaie	No relevant financial relationships with ineligible companies to disclose.
Sana Al-Khatib, MD, MHS	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Sandeep Gautam, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Sandeep Goyal, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Saneeha Shahid, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
Sanghamitra Mohanty, MBBS, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Sania Jiwani, MBBS	No relevant financial relationships with ineligible companies to disclose.
Sanjay Dixit, MD	No relevant financial relationships with ineligible companies to disclose.
Sanjaya Gupta, MBA, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Respicardia, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Sanjeev Saxena, MBBS, MD	HRS Disclosures; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Independent Investigator Study Grant for the TAP-CHF trial
Sanjiv Narayan, MD, PhD	HRS Disclosures; Organization: TDK Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting; Organization: UpToDate, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: LifeSignals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Thanks for the opportunity to comment. This was for the 2021 year. For 2022-23 and future years, I can cut all consulting back to below applicable HRS limits (e.g. under \$50,000 for a single entity, and under \$100,000 cumulative).
SANTABHANU CHAKRABARTI, MBBS, MD, CCT	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: DECADE study; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: DECADE study
Santo Ricceri, MD	No relevant financial relationships with ineligible companies to disclose.
Sapan Bhuta, MD	No relevant financial relationships with ineligible companies to disclose.
Sara Cherny, MS, CGC	No relevant financial relationships with ineligible companies to disclose.
Sara Flowers	HRS Disclosures; Organization: Pacemate, Relationship: Salary from Employment, Role: Employment, Comments: Employed beginning SEP 2021; Organization: Medtronic, Inc., Relationship: Salary from Employment, Role: Employment, Comments: employed MAR 1999 - SEP 2021

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Sara Vazquez-Calvo	Nothing Relevant to Disclose
Sarah Albright Alfano, MD, MBA, MPH	No relevant financial relationships with ineligible companies to disclose.
Sarah Asaki, MD	No relevant financial relationships with ineligible companies to disclose.
Sarah Hussain, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Sarah Kalia	No relevant financial relationships with ineligible companies to disclose.
Sarah Kelly, PsyD	No relevant financial relationships with ineligible companies to disclose.
Sarah Mortero	No relevant financial relationships with ineligible companies to disclose.
Sarah Sailor	No relevant financial relationships with ineligible companies to disclose.
Satish Misra, MD	HRS Disclosures; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Philips, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Satish Raj, MD, MS	HRS Disclosures; Organization: Theravance, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Data for Abstract on Phase 2 Study Data; Organization: Elsevier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Associate Editor, Autonomic Neurosciences: Basic & Clinical; Organization: Argenx, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting regarding POTS; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting regarding POTS; Organization: Spire Learning, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: Development of CME teaching materials about Neurogenic Orthostatic Hypotension & Delivery of Talks; Organization: Arena Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: DSMB Chair for a Phase II study; Organization: Regeneron, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Consulting about POTS; Organization: Amneal Pharmacuetical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Satoko Ryuzaki	No relevant financial relationships with ineligible companies to disclose.
Satoshi Higuchi, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Saurabh Deshpande, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.
Savannah Bifulco, BS	No relevant financial relationships with ineligible companies to disclose.
Scarlett Anthony, MA	No relevant financial relationships with ineligible companies to disclose.
Scott Ceresnak, MD	No relevant financial relationships with ineligible companies to disclose.
Scott Weinreb, MD	No relevant financial relationships with ineligible companies to disclose.
Sean Pokorney, MBA, MD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Pfizer, Inc., Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Janssen Pharmaceuticals, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Philips, Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Sanofi, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Sergio Conti, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Seshadri Balaji, MBBS, PhD	HRS Disclosures; Organization: Milestone Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: no fees so far. upcoming relationship; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for Pls and Named Investigators only), Role: Research, Comments: Researcher initiated grant from Medtronic External research Programs.; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Seth Weinberg, PhD	No relevant financial relationships with ineligible companies to disclose.
Seung Yong Shin, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Seunghoon Cho, MD	No relevant financial relationships with ineligible companies to disclose.

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Shady Nakhla, MD	No relevant financial relationships with ineligible companies to disclose.
Shaleka Agrawal, PhD	No relevant financial relationships with ineligible companies to disclose.
Shana Greif, MD	No relevant financial relationships with ineligible companies to disclose.
Shane Loeffler, PhD	No relevant financial relationships with ineligible companies to disclose.
Shang-Ju Wu, MD	No relevant financial relationships with ineligible companies to disclose.
Shankar Baskar, MD	No relevant financial relationships with ineligible companies to disclose.
Sharath Vipparthy, MD	No relevant financial relationships with ineligible companies to disclose.
Shari Pepplinkhuizen, MD	No relevant financial relationships with ineligible companies to disclose.
Sharif Omara, MBBS	HRS Disclosures; Organization: Boston Scientific, Relationship: Travel/Entertainment, Role: Grant to cover costs of attending TogetherVT Bordeaux 2021
Shashank Behere, MD	No relevant financial relationships with ineligible companies to disclose.
Sheldon Cheskes, MD, CCFP (EM), FCFP, DRCPSC	HRS Disclosures; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Shephal Doshi, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Janssen Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Galvanize Therapeutics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research
Sherry Saxonhouse, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Sherry Zhang, MD	No relevant financial relationships with ineligible companies to disclose.
Shih-Ann Chen, MD	No relevant financial relationships with ineligible companies to disclose.
Shin Yoo, PhD	No relevant financial relationships with ineligible companies to disclose.
Shin-Huei Liu, MD	No relevant financial relationships with ineligible companies to disclose.
Shoei K. Stephen Huang, MD	No relevant financial relationships with ineligible companies to disclose.
Shohreh Honarbakhsh, MBBS	HRS Disclosures; Organization: Rhythm AI Ltd, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: Co-founder and stakeholder in Rhythm AI Ltd
Shota Tamura	No relevant financial relationships with ineligible companies to disclose.
Shreya Makkapati, MD	No relevant financial relationships with ineligible companies to disclose.
Shu Yang, MD	No relevant financial relationships with ineligible companies to disclose.
Shu Zhang, MD	No relevant financial relationships with ineligible companies to disclose.
Shumpei Mori	No relevant financial relationships with ineligible companies to disclose.
Shunmuga Sundaram Ponnusamy, MBBS, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Shweta Paulraj, MBBS	No relevant financial relationships with ineligible companies to disclose.
Siddharth Chauhan	No relevant financial relationships with ineligible companies to disclose.
Sila Mateo Faxas, Medical Doctor	No relevant financial relationships with ineligible companies to disclose.
Silvia Marchiano	No relevant financial relationships with ineligible companies to disclose.
Silvia Priori, MD, PhD	HRS Disclosures; Organization: Cardurion, Relationship: Honoraria/Speaking/Consulting Fee, Role: Board Membership, Comments: Fee for participation in the Advisory Board and ad hoc consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Participation in the Advisory Board
Simon James, MBBS	HRS Disclosures; Organization: Abbott, Relationship: Travel/Entertainment, Role: funded travel / air fare to attend HRS 2019, Comments: educational grant donated to hospital to fund attendance at conference; Organization: Biotronik, Relationship: Travel/Entertainment, Role: funded travel to attend EHRA 2019, Comments: educational grant to attend conference; Organization: Acutus Medical Inc, Relationship: Travel/Entertainment, Role: funded travel to AF symposium 2020; Organization: EBR Systems, Relationship: Travel/Entertainment, Role: funded accommodation and travel for APHRS 2019
Sisir Siddamsetti	No relevant financial relationships with ineligible companies to disclose.

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Sit-Yee Kwok, MBChB	No relevant financial relationships with ineligible companies to disclose.
Sohaib Ahmad Basharat, MD	No relevant financial relationships with ineligible companies to disclose.
Soham Dasgupta, MD	No relevant financial relationships with ineligible companies to disclose.
SOMTO NWAEDOZIE, MD	No relevant financial relationships with ineligible companies to disclose.
Soren Zoga Diederichsen, MD	HRS Disclosures; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Acesion Pharma, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: BMS / Pfizer Alliance, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
So-Ryoung Lee, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Sotirios Nedios, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Soumya Kambalapalli, MD	No relevant financial relationships with ineligible companies to disclose.
Srinivas Dukkupati, MD	HRS Disclosures; Organization: Manual Surgical Sciences, Relationship: Stocks – Privately Held, Role: Equity; Organization: Boston Scientific (Farapulse), Relationship: Royalty Income, Role: Ownership
Stacey Howell, MD	No relevant financial relationships with ineligible companies to disclose.
Stacey Rentschler, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Starr Mirza	No relevant financial relationships with ineligible companies to disclose.
Stavros Mountantonakis, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research
Stavros Stavrakis, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Stepan Havranek	No relevant financial relationships with ineligible companies to disclose.
Stephan Willems, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Travel/Entertainment, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Bristol-Myers Squibb, Relationship: Speakers' Bureau, Role: Consulting; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boehringer Ingelheim, Relationship: Speakers' Bureau, Role: Consulting
Stephanie Hull, BSN	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Stephanie Yoakum, MSN, ACNP	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Stephen Chelko, BS, PhD	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Sponsored Research Agreement (SRA) between Pfizer, Florida State University, and Harvard/BIDMC to test small molecule inhibitors on the prevention of disease phenotypes in mice models of Arrhythmogenic Cardiomyopathy.; Organization: Rejuvenate Bio, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: This is a Scientific Research Agreement (SRA) between Rejuvenate Bio, my institution and my lab to conduct gene therapy in animal models of Arrhythmogenic Cardiomyopathy. I also serve on their Scientific Advisory Board (no consultation fees, salary, etc).
Stephen Manu, MD	No relevant financial relationships with ineligible companies to disclose.
Stephen Sye	No relevant financial relationships with ineligible companies to disclose.
Steven Markowitz, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Respicardia, Relationship: Independent Contractor, Role: Independent Contractor (including contracted research), Comments: estimated fees
Steven Mickelsen, MD	HRS Disclosures; Organization: Cardionomic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research), Comments: I have a role on the steering comity and clinical trial work; Organization: Acutus Medical Inc, Relationship: Salary from Employment, Role: Employment, Comments: Chief Translational Science Officer; Organization: Attune Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Royalty Income, Role: Inventor of Farapulse Technology, Comments: I received stock payouts related to Farapulse acquisition. Royalties are paid directly to the University of Iowa Research Foundation and a small portion is payed to my laboratory.; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Field Medical, Relationship: Ownership/Partnership/Principal, Role: Ownership, Comments: I am the Founder of Field Medical Inc.
Steven Mullane, MS	HRS Disclosures; Organization: Biotronik, Relationship: Salary from Employment, Role: Employment
Steven Muller	No relevant financial relationships with ineligible companies to disclose.
Steven Niederer, PhD	No relevant financial relationships with ineligible companies to disclose.
Steven Poelzing, PhD	No relevant financial relationships with ineligible companies to disclose.
Steven Ross, MD	No relevant financial relationships with ineligible companies to disclose.

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Steven Scarfone	No relevant financial relationships with ineligible companies to disclose.
Stewart Brown, MBBS, MS	No relevant financial relationships with ineligible companies to disclose.
Subbarao Choudry, MD	No relevant financial relationships with ineligible companies to disclose.
Subhanik Purkayastha	No relevant financial relationships with ineligible companies to disclose.
Sufen Wang, PhD	No relevant financial relationships with ineligible companies to disclose.
Suganya Arunachalam Karikalan, MBBS	No relevant financial relationships with ineligible companies to disclose.
Sumeet Chugh, MD	No relevant financial relationships with ineligible companies to disclose.
Sumeet Mainigi, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Calendar Year 2021; Organization: Medtronic, Inc., Relationship: Stocks – Publicly Traded, Role: Employment, Comments: Own Medtronic stock; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Calendar Year 2020; Organization: Johnson and Johnson, Relationship: Stocks – Publicly Traded, Role: Ownership, Comments: Own stock in J and J
Sumit Verma, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Suneet Mittal, MD	HRS Disclosures; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: AltaThera Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: CVRx Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Last 12 months; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Implicity, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Haemonetics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Sung-Hwan Kim, MD	No relevant financial relationships with ineligible companies to disclose.
Sunil Kapur, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Novartis, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Sunil Vasireddi, BSBME, MD	No relevant financial relationships with ineligible companies to disclose.
Sunny Po, MD, PhD	HRS Disclosures; Organization: NanoMed Targeting System, Relationship: Intellectual Property Rights, Role: Ownership, Comments: holding patent;; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Supraja Thunuguntla	No relevant financial relationships with ineligible companies to disclose.
Suraj Kapa, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Myant Canada, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: TripleBlind, Relationship: Salary from Employment, Role: Employment, Comments: I work full-time here now
SURAYA HANI Kamsani	No relevant financial relationships with ineligible companies to disclose.
Susan Etheridge, MD	HRS Disclosures; Organization: UpToDate, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Chapter writer
Susan Isaac, ACNP	No relevant financial relationships with ineligible companies to disclose.
Susumu Tao, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Suzette Turner, MS, NP	No relevant financial relationships with ineligible companies to disclose.
Svjetlana Tisma-Dupanovic, MD	No relevant financial relationships with ineligible companies to disclose.
Swapna Gudipati	No relevant financial relationships with ineligible companies to disclose.
Syed Ali, MD	No relevant financial relationships with ineligible companies to disclose.
Syed Yusuf Ali, MS	No relevant financial relationships with ineligible companies to disclose.
Syeda Atiqah Batul, MBBS, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
T. Alexander Quinn, PhD	No relevant financial relationships with ineligible companies to disclose.

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T. Jared Bunch, MD	HRS Disclosures; Organization: Boehringer Ingelheim, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Grant for the physician initiated cognitive atrial fibrillation (CAF) trial. I am the PI, no personal compensation or salary is from this grant. The grant is awarded to Intermountain Healthcare.; Organization: Altathera, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: No personal compensation received; Organization: Biosense Webster, Inc., Relationship: Training for new ablation balloon, Role: Required training for new ablation balloon to start institutional research on the device, Comments: The payment was for travel and hotel next to the training facility.; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: HRS committee for AF management - BMS/Pfizer Alliance and HRS Roundtable; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Training for the leadless pacemaker system, AVEIR DR headless pacemaker system as part of the dual chamber pacemaker trial
Tae Jin Park	HRS Disclosures; Organization: AbbVie, Relationship: Salary from Employment, Role: Employment
Taisuke Harada	No relevant financial relationships with ineligible companies to disclose.
Takanori Ikeda, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Takashi Ikenouchi, MD	No relevant financial relationships with ineligible companies to disclose.
Takashi Yamada	No relevant financial relationships with ineligible companies to disclose.
Takatoshi Shigeta	No relevant financial relationships with ineligible companies to disclose.
Takatsugu Kajiyama, MD, PhD	HRS Disclosures; Organization: Biotronik, Relationship: Belonging to endowed department, Role: Research; Organization: Abbott Japan, Relationship: Belonging to endowed department, Role: Research
Takumi Yamada, MD	HRS Disclosures; Organization: Japan Lifeline, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Nihon Kohden, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Tamas Szili-Torok, MD, PhD	HRS Disclosures; Organization: Stereotaxis, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Stereotaxis, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AbLacon, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Tanja Charlotte Frederiksen, MD	No relevant financial relationships with ineligible companies to disclose.
Tanmay Gokhale, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Taqi Rizvi	No relevant financial relationships with ineligible companies to disclose.
Tara Mudd, ANP	HRS Disclosures; Organization: AtriCure, Inc., Relationship: Speakers' Bureau, Role: Consulting; Organization: BMS / Pfizer Alliance, Relationship: Speakers' Bureau, Role: Speaking and Teaching, Comments: Ended 12/31/2021; Organization: Bristol-Myers Squibb, Relationship: Speakers' Bureau, Role: Speaking and Teaching, Comments: Ended 12/31/2021
Tara U. Mudd, ANP	Speakers' Bureau: AtriCure, Inc., Bristol-Myers Squibb, BMS/Pfizer Alliance
Tarek Ajam	No relevant financial relationships with ineligible companies to disclose.
Tarek Zghaib, MD	No relevant financial relationships with ineligible companies to disclose.
Tasuku Yamamoto	No relevant financial relationships with ineligible companies to disclose.
Tatsuhiko Hirao	No relevant financial relationships with ineligible companies to disclose.
Taya Glotzer, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Taya V. Glotzer, MD, FHRS	Honoraria/Speaking/Consulting Fee: Abbott, Medtronic, Inc.
Taylor Baum, MS	No relevant financial relationships with ineligible companies to disclose.
Taylor Howard, MD	No relevant financial relationships with ineligible companies to disclose.
Terenz Escartin, BS	No relevant financial relationships with ineligible companies to disclose.
Tharian Cherian, MD	No relevant financial relationships with ineligible companies to disclose.
Thassio Mesquita, PhD	No relevant financial relationships with ineligible companies to disclose.
theodore chung	No relevant financial relationships with ineligible companies to disclose.
Theofanie Mela, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Thomas Callahan, MD	HRS Disclosures; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
Thomas Crawford, MD	HRS Disclosures; Organization: Kestra, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting

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Thomas Deering, MBA, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: My institution receives research grants but I receive no direct or indirect funding for the research activity.; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: My institution receives research grants but I receive no direct or indirect funding for the research activity.; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: My institution receives research grants but I receive no direct or indirect funding for the research activity.; Organization: Milestone, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: My institution receives research grants but I receive no direct or indirect funding for the research activity.; Organization: CVRx Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: My institution receives research grants but I receive no direct or indirect funding for the research activity.; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: My institution receives research grants but I receive no direct or indirect funding for the research activity.; Organization: Preventice, Relationship: Advisor, Role: Consulting; Organization: CVRx Inc., Relationship: Advisor, Role: Consulting; Organization: Pacemate, Relationship: Advisor, Role: Consulting; Organization: Sanofi, Relationship: Membership on Advisory Committees or Review Panels, Comments: Amount for work in 2021. Expect less in 2022 as study is completed & the follow-up period is almost complete; Organization: Omny Health, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Limited consultation to date w/o compensation
Thomas Deneke, MD, PhD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Farapulse, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Imricor, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Galaxy Medical, Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Thomas Dewland, MD	HRS Disclosures; Organization: Adagio Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Thomas Dresing, MD	No relevant financial relationships with ineligible companies to disclose.
Thomas F. Deering, MBA, FHRS, CCDS	Honoraria/Speaking/Consulting Fee: Preventice, CVRx Inc., Pacemate, Sanofi, Omny Health, Research (Contracted Grants for PIs and Named Investigators Only); Boston Scientific, Medtronic, Abbott, Milestone, CVRx Inc., Biotronik, HUYA Bioscience, Other Financial Relationships: Abbott (review committee)
Thomas Hund, PhD	HRS Disclosures; Organization: Springer Publishing, Relationship: Remuneration for editor of book, Role: Consulting
Thomas Lulic	HRS Disclosures; Organization: Medtronic, Relationship: Salary from Employment, Role: Employment
Thomas Pambrun, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Thomas Roston, MD, PhD	HRS Disclosures; Organization: Cardurion, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Thomas Tadros, MD, MPH	No relevant financial relationships with ineligible companies to disclose.
Tiffany Andrade, MS, PAC	No relevant financial relationships with ineligible companies to disclose.
Tiffany Hu, MD	No relevant financial relationships with ineligible companies to disclose.
Tim Gregory, MEd	No relevant financial relationships with ineligible companies to disclose.
Timm-Michael Dickfeld, MD, PhD	HRS Disclosures; Organization: Elevar, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: inHEART, Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership; Organization: inHEART, Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership; Organization: inHEART, Relationship: Stock Options – Privately Held (including start-up companies), Role: Ownership
Timothy Maher, MD	No relevant financial relationships with ineligible companies to disclose.
Timothy Markman, MD	No relevant financial relationships with ineligible companies to disclose.
Tina Baykaner, MD, MPH	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Ting-Wei Liao	No relevant financial relationships with ineligible companies to disclose.
Tolga Aksu, MD	No relevant financial relationships with ineligible companies to disclose.
Tom (Nak Hyun) Choi, MD	No relevant financial relationships with ineligible companies to disclose.
Tom De Potter, MD, PhD	HRS Disclosures; Organization: Adagio Medical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Research
Tom McElderry, MD	HRS Disclosures; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Farapulse, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Thermedical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
tomas conrads	No relevant financial relationships with ineligible companies to disclose.
Tomasz Jadczyk	No relevant financial relationships with ineligible companies to disclose.
Tooba Salar, MBBS, MD	No relevant financial relationships with ineligible companies to disclose.

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Toshiaki Sato, MD	HRS Disclosures; Organization: Biotronik, Relationship: Affiliation with Endowed Department: Biotronik Japan, Inc., Role: Research, Comments: Affiliation with Endowed Department: Biotronik Japan, Inc.
Toshimasa Okabe, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Toshinori Chiba	No relevant financial relationships with ineligible companies to disclose.
Tracy Blithe	No relevant financial relationships with ineligible companies to disclose.
Tristan Pendergrass	HRS Disclosures; Organization: Cardiac Device Consultants, Inc., Relationship: Ownership/Partnership/Principal, Role: Ownership
Tserenlkham Byambajav, PhD	No relevant financial relationships with ineligible companies to disclose.
Tsz Kin Tam, MBChB	No relevant financial relationships with ineligible companies to disclose.
Tuppence Richman, BBS	HRS Disclosures; Organization: Boston Scientific, Relationship: Salary from Employment, Role: Contractor; Organization: Abbott Medical, Relationship: Salary from Employment, Role: Contractor
Tushina Jain	No relevant financial relationships with ineligible companies to disclose.
Tyler Taigen, MD	No relevant financial relationships with ineligible companies to disclose.
Ulises Rojel Martínez, MD	No relevant financial relationships with ineligible companies to disclose.
Ulrich Krause, MD	HRS Disclosures; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research grant for an observational study on catheter ablation in pediatric patients (OSCA-PED study)
Ulrich Schotten, PhD	HRS Disclosures; Organization: Johnson and Johnson, Relationship: Speakers' Bureau, Role: Speaking and Teaching; Organization: Your Rhythmics BV, Relationship: Intellectual Property Rights, Role: Ownership; Organization: EP Solutions, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Roche Diagnostics, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Roche Diagnostics, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting
Ulrika Birgersdotter-Green, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Philips, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Uma Srivatsa, MBBS, MS	No relevant financial relationships with ineligible companies to disclose.
Usama Daimee, MD	No relevant financial relationships with ineligible companies to disclose.
Usha Tedrow, MD, MS	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Faculty, Advanced Fellows' course; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Faculty, Advanced Fellows course; Organization: St. Jude Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: Faculty, Women in EP conference, Advanced Ablation course; Organization: Thermedical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Usman Siddiqui, MD	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: none; Organization: Acutus Medical Inc, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Uyanga Batnyam, MD	Nothing Relevant to Disclose
Vadim Fedorov, PhD	HRS Disclosures; Organization: Abbott, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Valentina Kutyla, MD, PhD	HRS Disclosures; Organization: Spire Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Zoll Medical Corporation, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biotronik, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research, Comments: PI for the newly started OPT-BB Women study, study to start enrollment in February 2020. Amount is estimated to be paid for 2021 (contract not yet signed). https://clinicaltrials.gov/ct2/show/NCT04504188 ; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Research
Valérie Long, MSc	No relevant financial relationships with ineligible companies to disclose.
Vanessa Lopez	No relevant financial relationships with ineligible companies to disclose.
Vanessa Saldi, RN	No relevant financial relationships with ineligible companies to disclose.
VARUN VANKA	No relevant financial relationships with ineligible companies to disclose.

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Vassilios Bezzerides, MD, PhD	HRS Disclosures; Organization: Cydan, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Sarepta Therapeutics, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Cardurion, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Vassilios Vassilikos, MD	No relevant financial relationships with ineligible companies to disclose.
Ven Gee Lim, MBChB, MSci, PhD	No relevant financial relationships with ineligible companies to disclose.
Venkatakrishna Tholakanahalli, MD	HRS Disclosures; Organization: Kobara Medical Inc, Relationship: Intellectual Property Rights, Role: Consulting, Comments: At early stages; Organization: St. Jude Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research Studies , Coordinator salary support; Organization: Cardialen, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Research coordinator salary and fellow education; Organization: Imricor, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Consulting, Comments: Towards Education for trainees
Vera Graah-Hagelbäck	No relevant financial relationships with ineligible companies to disclose.
Veronica Ramos	No relevant financial relationships with ineligible companies to disclose.
Veronique Meijborg, PhD	No relevant financial relationships with ineligible companies to disclose.
Victor Bazan, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Victor Chu, BS	No relevant financial relationships with ineligible companies to disclose.
Victor Cotton	No relevant financial relationships with ineligible companies to disclose.
Victor Nauffal, MD	No relevant financial relationships with ineligible companies to disclose.
Vidal Essebag, MD, PhD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Servier, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Vijay Chauhan, MD	No relevant financial relationships with ineligible companies to disclose.
Vincent Palmieri, MD	No relevant financial relationships with ineligible companies to disclose.
Vincenzo Mirco La Fazia, MD	No relevant financial relationships with ineligible companies to disclose.
Vincenzo Schillaci	No relevant financial relationships with ineligible companies to disclose.
Virginie Beausejour-Ladouceur, MDCM	No relevant financial relationships with ineligible companies to disclose.
Vishal Mehta, MBBS	No relevant financial relationships with ineligible companies to disclose.
Vivek Reddy, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Acutus Medical Inc, Relationship: Stock Options – Publicly Traded, Role: Consulting; Organization: Affera, Inc., Relationship: Stocks – Privately Held, Role: Consulting; Organization: Aquaheart, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Autonomix, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Axon, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: BackBeat, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Biosig Technologies, Inc., Relationship: Stock Options – Publicly Traded, Role: Consulting; Organization: Circa Scientific, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Corvia Medical, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: EpiEP, Relationship: Stocks – Privately Held, Role: Consulting; Organization: CardioNXT, Relationship: Stocks – Privately Held, Role: Consulting; Organization: AFTX, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Farapulse, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: FIRE1, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Luxcath, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Manual Surgical Sciences, Relationship: Stocks – Privately Held, Role: Consulting; Organization: Medlumics, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: NewPace Ltd, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Surecor, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: VytronUS, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Valcare, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: VIZARA, Relationship: Stocks – Privately Held, Role: Consulting; Organization: CardiaCare, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting, Comments: Value of options is unknown as these are not publicly traded; Organization: AbIacon, Inc., Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting, Comments: Value of options is unknown as these are not publicly traded; Organization: Dinova, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting, Comments: Value of options is unknown as these are not publicly traded; Organization: Kadium, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: HRT, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Intershunt, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: AtaCor Medical Inc, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Sirona Medical Technologies, Inc, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: CoreMap, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Corisma Inc, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting; Organization: Restore Medical, Relationship: Stocks – Privately Held, Role: Consulting

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W. Savindu Botheju	No relevant financial relationships with ineligible companies to disclose.
Wael Alqarawi, MD	No relevant financial relationships with ineligible companies to disclose.
Wael Dakkak, MD	No relevant financial relationships with ineligible companies to disclose.
Waiel Abusnina, MD	No relevant financial relationships with ineligible companies to disclose.
Walid Saliba, MD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: advisory board; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Cardiva Medical, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Wataru Shimizu, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Wayne Levy, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Clinical Endpoint Committee - Guide-HF - CardioMEMS device; Organization: EBR Systems, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Clinical Endpoint Committee - SOLVE CRT; Organization: Impulse Dynamics USA, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Respicardia, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Steering Committee - remede FDA Post Approval Study; Organization: Beckman Coulter, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Clinical Endpoint Committee for use of NTproBNP in the ED for diagnosis of heart failure; Organization: Medtronic, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research, Comments: Medtronic External Research Project Grant; Organization: Cardiac Dimensions, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: Steering Committed for EMPOWER - Coronary Sinus Device to treat functional Mitral Regurgitation.
Weeranun Bode, MD	No relevant financial relationships with ineligible companies to disclose.
Wei Zhou, MD	HRS Disclosures; Organization: Pfizer, Inc., Relationship: Royalty Income, Role: Research
Wei-Chieh Tseng, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Wei-Chung Tsai, MD, MS	No relevant financial relationships with ineligible companies to disclose.
weihsin chung	No relevant financial relationships with ineligible companies to disclose.
Weijian Huang, MD	No relevant financial relationships with ineligible companies to disclose.
Wei-Lun Lin, PhD	No relevant financial relationships with ineligible companies to disclose.
Weiwu Xiong	HRS Disclosures; Organization: Third Xiangya Hospital of Central South University, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: student
Weizhuo Liu, MD	No relevant financial relationships with ineligible companies to disclose.
WenChin Tsai, MD	No relevant financial relationships with ineligible companies to disclose.
Wendy S. Tzou, MD, FHRS	Honoraria/Speaking/Consulting Fee: Biosig Technologies, Inc., Biotronik, Medtronic, Zoll Medical Corporation, Baylis Medical Company, Abbott, Biosense Webster, Inc., Boston Scientific, Mediasphere Medical, BioTelemetry, Inc., Research (Contracted Grants for PIs and Named Investigators Only): Abbott Medical
Wendy Tzou, MD	HRS Disclosures; Organization: Biosig Technologies, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Zoll Medical Corporation, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Baylis Medical Company, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abbott Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Mediasphere Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: BioTelemetry, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
Wiert Hoeksema, MD	No relevant financial relationships with ineligible companies to disclose.
Wilber Su, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Willeke van der Stuijt, MD	No relevant financial relationships with ineligible companies to disclose.
William Groh, MD, MPH	HRS Disclosures; Organization: Arthex Biotech, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting, Comments: Assisted in design of cardiac safety for early phase clinical trial.
William Janes, MD	No relevant financial relationships with ineligible companies to disclose.

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William Miles, MD	HRS Disclosures; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
William Reichert, MD	No relevant financial relationships with ineligible companies to disclose.
William Sauer, MD	HRS Disclosures; Organization: Abbott, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels
William Stevenson, MD	HRS Disclosures; Organization: Apple Inc., Relationship: Stocks – Publicly Traded, Role: Ownership; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Johnson and Johnson, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research); Organization: AtriCure, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Abiomed, Relationship: Honoraria/Speaking/Consulting Fee, Role: Independent Contractor (including contracted research)
William Tate, MD	No relevant financial relationships with ineligible companies to disclose.
Wilson Lam, MD	No relevant financial relationships with ineligible companies to disclose.
wim huybrechts, MD	No relevant financial relationships with ineligible companies to disclose.
Win-Kuang Shen, MD	No relevant financial relationships with ineligible companies to disclose.
Wojciech Zareba, MD, PhD	HRS Disclosures; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: AliveCor, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Impulse Dynamics USA, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Woo-Hyun Lim, MD	HRS Disclosures; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: AstraZeneca, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer/BMS, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Novartis, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Xander Wehrens, MD, PhD	HRS Disclosures; Organization: Elex Biotech, Relationship: Ownership/Partnership/Principal, Role: Ownership
Xiao Liu, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Xiaoke Liu	No relevant financial relationships with ineligible companies to disclose.
Xiaoxiao Qian, MD	No relevant financial relationships with ineligible companies to disclose.
Xiaozhi Gao, BS	No relevant financial relationships with ineligible companies to disclose.
Xinwei Zhang, MD	No relevant financial relationships with ineligible companies to disclose.
Xu Gao, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Xuan Guan, PhD	No relevant financial relationships with ineligible companies to disclose.
Xuecheng Wang	No relevant financial relationships with ineligible companies to disclose.
Xun Ai, MD	No relevant financial relationships with ineligible companies to disclose.
Yaacoub Chahine, MD	No relevant financial relationships with ineligible companies to disclose.
Yaariv Khaykin, MD	No relevant financial relationships with ineligible companies to disclose.
Yan Huo, MD, PhD	HRS Disclosures; Organization: Abbott Medical, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching, Comments: worked at Heart Center Dresden as an attending physician till the end of 2021.; Organization: Abbott Medical, Relationship: Salary from Employment, Role: Management Position, Comments: Sr. Director Medical Affairs EP, started from JAN 2022; Organization: Abbott Medical, Relationship: Stocks – Publicly Traded, Role: Management Position, Comments: since Jan, 2022
Yan Naung Htay	No relevant financial relationships with ineligible companies to disclose.
Yan Yao, MD, PhD	HRS Disclosures; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: St. Jude Medical, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Biosense Webster, Inc., Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research
Yana Shamiss, PharmD	No relevant financial relationships with ineligible companies to disclose.
Yang Jing	No relevant financial relationships with ineligible companies to disclose.

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Yang Yang, MD	No relevant financial relationships with ineligible companies to disclose.
Yang Zhou, MD	No relevant financial relationships with ineligible companies to disclose.
Yaniv Bar-Cohen, MD	No relevant financial relationships with ineligible companies to disclose.
Yannick Teumer	No relevant financial relationships with ineligible companies to disclose.
Yanushi Wijeyeratne, BMBS	No relevant financial relationships with ineligible companies to disclose.
Yari Valeri	No relevant financial relationships with ineligible companies to disclose.
Yaser Khalid, DO	No relevant financial relationships with ineligible companies to disclose.
Yashika Sharma	No relevant financial relationships with ineligible companies to disclose.
Yasuhiro Matsuda, MD	HRS Disclosures; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Biotronik, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Pfizer/BMS, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: TOA EIYO, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Medtronic, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Abbott Japan, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Japan Lifeline, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Yasuhiro Shirai	No relevant financial relationships with ineligible companies to disclose.
Yasuo Okumura, MD, PhD	HRS Disclosures; Organization: Bayer Healthcare Pharmaceuticals, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Daiichi Sankyo, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching; Organization: Boston Scientific, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Abbott Japan, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Medtronic, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Nihon Kohden, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Japan Lifeline, Relationship: Research (Contracted Grants for PIs and Named Investigators only), Role: Research; Organization: Bristol-Myers Squibb, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Yasutoshi Shinoda	No relevant financial relationships with ineligible companies to disclose.
Yeji Kim, MD	No relevant financial relationships with ineligible companies to disclose.
Yen-Nien Lin	No relevant financial relationships with ineligible companies to disclose.
Yingnan Zhang	No relevant financial relationships with ineligible companies to disclose.
Yiwei Lai, MD	No relevant financial relationships with ineligible companies to disclose.
Yong-Mei Cha, MD	No relevant financial relationships with ineligible companies to disclose.
Yong-Soo Baek, MD	No relevant financial relationships with ineligible companies to disclose.
Yoon Kee Siow, MD	No relevant financial relationships with ineligible companies to disclose.
Yoshikazu Sato	No relevant financial relationships with ineligible companies to disclose.
Yoshitaka Kimura	No relevant financial relationships with ineligible companies to disclose.
Yu Liao	No relevant financial relationships with ineligible companies to disclose.
Yu-Feng Hu, PhD	No relevant financial relationships with ineligible companies to disclose.
Yuichi Hanaki, MD	No relevant financial relationships with ineligible companies to disclose.
Yuichi Hori, MD	No relevant financial relationships with ineligible companies to disclose.
Yuji Wakamatsu, MD	No relevant financial relationships with ineligible companies to disclose.
Yuki Komatsu, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Yuko Wada, MD, PhD	No relevant financial relationships with ineligible companies to disclose.
Yun-Yu Chen, MPH	No relevant financial relationships with ineligible companies to disclose.
Yury Malyshev, MD	No relevant financial relationships with ineligible companies to disclose.
Yushan Huang	No relevant financial relationships with ineligible companies to disclose.
YUTO IIOKA	No relevant financial relationships with ineligible companies to disclose.

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Yuxuan Mao, BS, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Zachary Goldberger, MD, MS	HRS Disclosures; Organization: Elsevier, Relationship: Royalty Income, Role: Independent Contractor (including contracted research)
Zachary I Whinnett, BMBS	Honoraria/Speaking/Consulting Fee: Medtronic, Boston Scientific, Abbott, Intellectual Property Rights: Finapres Medical Systems B.V.
Zachary Whinnett, BMBS	HRS Disclosures; Organization: Finapres Medical Systems B.V., Relationship: Intellectual Property Rights, Role: Imperial College London has patent for hemodynamic optimisation method; Organization: Medtronic, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Membership on Advisory Committees or Review Panels, Comments: I am a member of an advisory board, but have not received any income in the past 12 months (I did not submit invoices).; Organization: Imperial College London, Relationship: Intellectual Property Rights, Role: Ownership, Comments: Intellectual property rights for a method for analysing hemodynamic signals
Zachi Attia, MSEE, PhD	HRS Disclosures; Organization: AliveCor, Relationship: Stock Options – Privately Held (including start-up companies), Role: Research; Organization: Eko Devices, Relationship: Stock Options – Privately Held (including start-up companies), Role: Research; Organization: Anumana, Relationship: Stock Options – Privately Held (including start-up companies), Role: Consulting
Zahra Azizi, MD, MSci	No relevant financial relationships with ineligible companies to disclose.
Zan Ahmad, BA	No relevant financial relationships with ineligible companies to disclose.
Zarina Habibi, Medical Degree	No relevant financial relationships with ineligible companies to disclose.
Zhen Wang	No relevant financial relationships with ineligible companies to disclose.
Zhongyuan Ren, MS	No relevant financial relationships with ineligible companies to disclose.
ZIAD ISSA, MD	HRS Disclosures; Organization: Elsevier, Relationship: Royalty Income, Role: Independent Contractor (including contracted research); Organization: Biosense Webster, Inc., Relationship: Honoraria/Speaking/Consulting Fee, Role: Consulting; Organization: Boston Scientific, Relationship: Honoraria/Speaking/Consulting Fee, Role: Speaking and Teaching
Zian Tseng, MD, MS	No relevant financial relationships with ineligible companies to disclose.
Zihan Jiang	No relevant financial relationships with ineligible companies to disclose.
Zihao Zhou	No relevant financial relationships with ineligible companies to disclose.
Zoel Quinonez	No relevant financial relationships with ineligible companies to disclose.

