

**Author Relationships With Industry and Other Entities (Comprehensive)—2018 ACC/AHA/HRS Guideline on the Evaluation and Management of Patients With Bradycardia and Cardiac Conduction Delay (July 2018)**

<b>Committee Member</b>	<b>Employment</b>	<b>Consultant</b>	<b>Speakers Bureau</b>	<b>Ownership/ Partnership/ Principal</b>	<b>Personal Research</b>	<b>Institutional, Organizational, or Other Financial Benefit</b>	<b>Expert Witness</b>
Fred M. Kusumoto <i>(Chair)</i>	Mayo Clinic—Professor of Medicine	None	None	None	None	None	None
Mark H. Schoenfeld <i>(Vice Chair)</i>	Yale University School of Medicine—Clinical Professor of Medicine	• United Healthcare	None	None	None	None	None
Coletta C. Barrett	American Heart Association—Chairman of the Board	None	None	None	None	None	None
James R. Edgerton	The Heart Hospital Baylor—Director of Education	• AtriCure*	• AtriCure*	None	None	None	None
Kenneth A. Ellenbogen	VCU Medical Center—Director, Clinical Electrophysiology	<ul style="list-style-type: none"> <li>• AHA</li> <li>• AtriCure*</li> <li>• Biotronik*</li> <li>• Boston Scientific*</li> <li>• HRS</li> <li>• Janssen Pharmaceuticals</li> <li>• Medtronic*</li> <li>• Pfizer*</li> <li>• Sentara Heart</li> <li>• St. Jude Medical*</li> </ul>	<ul style="list-style-type: none"> <li>• Biosense Webster*</li> <li>• Biotronik*</li> <li>• Boston Scientific*</li> <li>• Medtronic*</li> <li>• St. Jude Medical*</li> </ul>	None	<ul style="list-style-type: none"> <li>• AtriCure*</li> <li>• Biosense Webster*</li> <li>• Boston Scientific*</li> <li>• Medtronic*</li> <li>• Daiichi-Sankyo*</li> <li>• NIH*</li> <li>• Sanofi-aventis*</li> <li>• Medtronic (DSMB)*</li> </ul>	<ul style="list-style-type: none"> <li>• American Heart Journal (Editorial Board)†</li> <li>• Biosense Webster*</li> <li>• Boston Scientific*</li> <li>• Medtronic*</li> <li>• Heart Rhythm (Editorial Board)†</li> <li>• JCE (Editorial Board)†</li> <li>• PACE (Editorial Board)†</li> <li>• Sanofi-aventis</li> </ul>	None
Michael R. Gold	Medical University of South Carolina—Director, Division of Cardiology and Professor of Medicine	<ul style="list-style-type: none"> <li>• Boston Scientific*</li> <li>• Medtronic</li> <li>• St. Jude Medical</li> </ul>	None	None	<ul style="list-style-type: none"> <li>• Boston Scientific†</li> <li>• St. Jude Medical†</li> </ul>	• ABIM	None
Nora F. Goldschlager	University of California San Francisco—Professor of Clinical Medicine	None	None	None	None	None	None

Robert M. Hamilton	University of Toronto— Professor of Pediatrics	None	None	None	• Canadian Institutes of Health Research*	None	None
José A. Joglar	UT Southwestern Medical Center University—Associate Professor of Internal Medicine	None	None	None	None	None	None
Robert J. Kim	University of Florida College of Medicine—Assistant Professor	None	None	None	None	None	None
Richard Lee	St. Louis University Hospital— Co-Director, Center for Comprehensive Cardiovascular Care	None	None	None	None	None	None
Joseph E. Marine	Johns Hopkins University— Associate Professor of Medicine	None	None	None	None	• UpToDate	None
Christopher J. McLeod	Mayo Clinic—Co-Director, Division of Cardiovascular Diseases	None	None	None	None	• UpToDate	None
Keith R. Oken	Mayo Clinic—Program Director, Cardiovascular Diseases Fellowship and Assistant Professor of Medicine	None	None	None	None	None	None
Kristen K. Patton	University of Washington— Professor of Medicine	None	None	None	None	• ABIM • ACGME† • AHA† • FDA • HRS†	None
Cara Pellegrini	University of California San Francisco School of Medicine— Associate Professor	• Abbott • Medtronic	None	None	None	None	None
Kimberly A. Selzman	University of Utah School of Medicine—Associate Professor of Medicine	None	None	None	None	• FDA* • HRS†	None
Annemarie Thompson	Duke University School of Medicine—Professor of Anesthesiology and Medicine	None	None	None	None	None	None

Paul D. Varosy	VA Eastern Colorado Health Care System—Director, Cardiac Electrophysiology; University of Colorado—Associate Professor of Medicine	None	None	None	• VA Office of Health Services Research and Development*	None	None
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This table represents all relationships of committee members with industry and other entities that were reported by authors, including those not deemed to be relevant to this document, at the time this document was under development. The table does not necessarily reflect relationships with industry at the time of publication. A person is deemed to have a significant interest in a business if the interest represents ownership of  $\geq 5\%$  of the voting stock or share of the business entity, or ownership of  $\geq \$5,000$  of the fair market value of the business entity; or if funds received by the person from the business entity exceed 5% of the person's gross income for the previous year. Relationships that exist with no financial benefit are also included for the purpose of transparency. Relationships in this table are modest unless otherwise noted. Please refer to <http://www.acc.org/guidelines/about-guidelines-and-clinical-documents/relationships-with-industry-policy> for definitions of disclosure categories or additional information about the ACC/AHA Disclosure Policy for Writing Committees.

\*Significant relationship.

†No financial benefit.

CMS reported payments from Cardiofocus to Dr. Kusumoto in 2016 and 2017. Dr. Kusumoto has established that the study he participated in ended in 2014 and was published in 2015.

CMS reported consulting payments to Dr. Lee from Abbott, Cryolife and Maquet in 2016. Dr. Lee has established that his participation with the companies ended in January 2015.

CMS reported research payments from Medtronic to Dr. McLeod in 2016 and 2017. Dr. McLeod is disputing the payments.

ABIM indicates American Board of Internal Medicine; ACC, American College of Cardiology; ACGME, Accreditation Council for Graduate Medical Education; AHA, American Heart Association; DSMB, data safety monitoring board; FDA, Food and Drug Administration; HRS, Heart Rhythm Society; JCE, Journal of Cardiovascular Electrophysiology; NIH, National Institutes of Health; PACE, Pacing and Clinical Electrophysiology; UT, University of Texas; VA, Veterans Affairs; and VCU, Virginia Commonwealth University.