

Contributors

CONSULTING EDITORS

JORDAN M. PRUTKIN, MD, MHS

Professor of Medicine, University of Washington, Division of Cardiology, Seattle, Washington, USA

EMILY P. ZEITLER, MD, MHS

Dartmouth Health, The Dartmouth Institute, Lebanon, New Hampshire, USA; Assistant Professor of Medicine, The Geisel School of Medicine at Dartmouth, Hanover, New Hampshire, USA

EDITORS

AURAS R. ATREYA, MD, MPH, FACC, FHRS

Consultant, Cardiologist and Electrophysiologist, Interventional Cardiology, Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Hyderabad, Telangana, India; Assistant Professor, Division of Cardiovascular Medicine, Electrophysiology Section,

University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA

CALAMBUR NARASIMHAN, MD, DM

Head of Electrophysiology, Senior Consultant Cardiology, AIG Hospitals Institute of Cardiac Sciences and Research, Gachibowli, Hyderabad, Telangana, India

AUTHORS

YOSHIMORI AN, MD

Department of Cardiovascular Medicine, Cleveland Clinic, Cleveland, Ohio, USA

SAMUEL J. ASIRVATHAM, MD

Department of Cardiovascular Medicine, Mayo Clinic, Professor of Medicine and Pediatrics, Mayo Clinic College of Medicine, Rochester, Minnesota, USA

AURAS R. ATREYA, MD, MPH, FACC, FHRS

Consultant, Cardiologist and Electrophysiologist, Interventional Cardiology, Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Hyderabad, Telangana, India; Assistant Professor, Division of Cardiovascular Medicine, Electrophysiology Section, University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA

FRANK BOGUN, MD

Professor of Medicine, Division of Cardiovascular Medicine, University of Michigan, Ann Arbor, Michigan, USA

JASON S. BRADFIELD, MD

UCLA Cardiac Arrhythmia Center, David Geffen School of Medicine at UCLA, Los Angeles, California, USA

QUIM CASTELLVI, PhD

Department of Information and Communications Technologies, Pompeu Fabra University, Barcelona, Spain

RONPICHAI CHOKESUWATTANASKUL, MD

Department of Medicine, Center of Excellence in Arrhythmia Research Chulalongkorn University, Bangkok, Thailand

JOHN-ROSS CLARKE, MD

Harvard Thorndike Electrophysiology Institute and Arrhythmia Service, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA

JAKUB CVEK, MD, Ing, PhD

Department of Oncology, University Hospital Ostrava and Ostrava University Medical School, Ostrava, Czech Republic

ANDRE D'AVILA, MD, PhD

Harvard Thorndike Electrophysiology Institute and Arrhythmia Service, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA

ASHLEY M. DARLINGTON, MD

Department of Cardiovascular Medicine, Mayo Clinic, Rochester, Minnesota, USA

CHRISTOPHER V. DESIMONE, MD, PhD

Department of Cardiovascular Medicine, Mayo Clinic, Rochester, Minnesota, USA

FATIMA M. EZZEDDINE, MD

Department of Cardiovascular Medicine, Mayo Clinic, Rochester, Minnesota, USA

THOMAS FLAUTT, DO

Division of Cardiac Electrophysiology, Department of Cardiology, Houston Methodist DeBakey Heart and Vascular Center, Houston Methodist Hospital, Houston, Texas, USA

ALESSIO GASPERETTI, MD

ARVC Program, Division of Cardiology, Johns Hopkins School of Medicine, Baltimore, Maryland, USA

MICHAEL GHANNAM, MD

Assistant Professor of Medicine, Division of Cardiovascular Medicine, University of Michigan, Ann Arbor, Michigan, USA

TETSUYA HARUNA, MD, PhD

Department of Cardiology, Kitano Hospital, Osaka, Japan

JANA HASKOVA, MD

Department of Cardiology, IKEM, Prague, Czech Republic

JUSTIN HAYASE, MD

UCLA Cardiac Arrhythmia Center, David Geffen School of Medicine at UCLA, Los Angeles, California, USA

AYMAN A. HUSSEIN, MD

Department of Cardiovascular Medicine, Cleveland Clinic, Cleveland, Ohio, USA

ATSUSHI IKEDA, MD, PhD

Department of Medicine, Nihon University School of Medicine, Tokyo, Japan

JOSEF KAUTZNER, MD, PhD

Department of Cardiology, IKEM, Prague, Czech Republic; Palacky University Medical School, Olomouc, Czech Republic

YOSHITAKA KIMURA, MD, PhD

Department of Cardiology, Heart Lung Center, Leiden University Medical Center, Leiden, the Netherlands; Center for Congenital Heart Disease Amsterdam-Leiden (CAHAL), the Netherlands; Willem Einthoven Center of Arrhythmia Research and Management

JACKSON J. LIANG, DO

Electrophysiology Section, Division of Cardiology, University of Michigan, Frankel Cardiovascular Center, Ann Arbor, Michigan, USA

TIMOTHY MAHER, MD

Harvard Thorndike Electrophysiology Institute and Arrhythmia Service, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA

DANIELE MUSER, MD

Cardiothoracic Department, Udine University Hospital, Udine, Italy; Electrophysiology Section, Division of Cardiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, USA

KOONLAWEE NADEMANEE, MD

Professor, Department of Medicine, Center of Excellence in Arrhythmia Research Chulalongkorn University, Bumrungrad Hospital, Bangkok and Pacific Rim Electrophysiology Research Institute, Bangkok, Thailand; Las Vegas, Nevada, USA

HIROSHI NAKAGAWA, MD, PhD

Department of Cardiovascular Medicine, Cleveland Clinic, Cleveland, Ohio, USA

CALAMBUR NARASIMHAN, MD, DM

Head of Electrophysiology, Senior Consultant Cardiology, AIG Hospitals Institute of Cardiac Sciences and Research, Gachibowli, Hyderabad, Telangana, India

SACHIN NAYYAR, MBBS, MD, DM, PhD, FRACP, CCDS, CCEP

Associate Professor, Townsville University Hospital, James Cook University, Townsville, Queensland, Australia

TAKASHI NITTA, MD, PhD

Emeritus Professor, Chief Consultant of Cardiology, Hanyu General Hospital, Hanyu City, Saitama, Japan; Nippon Medical School, Tokyo, Japan

AKIHIKO NOGAMI, MD, PhD

Department of Cardiology, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

WIPAT PHANTHAWIMOL, MD

Department of Cardiology, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

VICKRAM VIGNESH RANGASWAMY, MD, DM

Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Hyderabad, India

DALJEET KAUR SAGGU, MD, DM

Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Gachibowli, Hyderabad, India

WALID I. SALIBA, MD

Department of Cardiovascular Medicine, Cleveland Clinic, Cleveland, Ohio, USA

PASQUALE SANTANGELI, MD, PhD

Electrophysiology Section, Division of Cardiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, USA

MAREK SRAMKO, MD, PhD

Department of Cardiology, IKEM, Prague, Czech Republic

MUTHIAH SUBRAMANIAN, MD, DM

Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Gachibowli, Hyderabad, India

HARIKRISHNA TANDRI, MD

ARVC Program, Division of Cardiology, Johns Hopkins School of Medicine, Baltimore, Maryland, USA

MIGUEL VALDERRÁBANO, MD

Director, Division of Cardiac Electrophysiology, Department of Cardiology, Houston Methodist DeBakey Heart and Vascular Center, Houston Methodist Hospital, Houston, Texas, USA

P. VIJAY SHEKAR, MD, DM

Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Gachibowli, Hyderabad, India

ZAIN VIRK, MD

Harvard Medical School, Boston, Massachusetts, USA; Department of Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, USA

JUSTIN WALLET, MD

Department of Cardiology, Heart Lung Center, Leiden University Medical Center, Leiden, the Netherlands; Center for Congenital Heart Disease Amsterdam-Leiden (CAHAL), the Netherlands; Willem Einthoven Center of Arrhythmia Research and Management

OUSSAMA M. WAZNI, MD

Department of Cardiovascular Medicine, Cleveland Clinic, Cleveland, Ohio, USA

SACHIN D. YALAGUDRI, MD, DM

Electrophysiology Section, AIG Hospitals Institute of Cardiac Sciences and Research, Gachibowli, Hyderabad, India

TAKUMI YAMADA, MD, PhD

Cardiovascular Division, University of Minnesota, Minneapolis, Minnesota, USA

KATSUAKI YOKOYAMA, MD

Department of Medicine, Nihon University School of Medicine, Tokyo, Japan

KATJA ZEPPEFELD, MD, PhD

Department of Cardiology, Heart Lung Center, Leiden University Medical Center, Leiden, the Netherlands; Center for Congenital Heart Disease Amsterdam-Leiden (CAHAL), the Netherlands; Willem Einthoven Center of Arrhythmia Research and Management