IN THIS ISSUE: DECEMBER

ORIGINAL ARTICLES

Laser Balloon or Wide-Area Circumferential Irrigated Radiofrequency Ablation for Persistent Atrial Fibrillation: A Multicenter Prospective Randomized Study
Boris Schmidt, MD; Petr Neuzil, MD; Armin Luik, MD; Joaquin Osca Asensi, MD; Jan Wilko Schnickel, MD; Thomas Deneke, MD; Stefano Bordinignon, MD; Jan Petru, MD; Matthias Merkel, MD; Lucie Sediva, PhD; Annemarie Klöstermann, BS; Laura Perrotta, MD; Oscar Cano, MD; K.R. Julian Chun, MD

Ventricular Tachycardia Ablation in the Elderly: An International Ventricular Tachycardia Center Collaborative Group Analysis
Kairav Vakil, MD; Santiago Garcia, MD; Roderick Tung, MD; Marmar Vaseghi, MD, PhD; Usha Tedrow, MS, MD; Paolo Della Bella, MD, PhD; David S. Frankel, MD; Pasquale Vergara, MD, PhD; Luigi Di Blase, MD, PhD; Koichi Nagashima, MD, PhD; Shiro Nakahara, MD, PhD; Wendy S. Tzou, MD; J. David Burkhardt, MD; Timm Dickfeld, MD, PhD; J. Peter Weiss, MD; Jared Bunch, MD; David Callans, MD; Dhunan Jay Lakkreddy, MD; Andrea Natale, MD; William H. Sauer, MD; William G. Stevenson, MD; Francis Marchlinski, MD; Kalyanam Shivkumar, MD, PhD; Venkatakrishna N. Tholakanahalli, MD

Time-to-Effect–Based Dosing Strategy for Cryoballoon Ablation in Patients With Paroxysmal Atrial Fibrillation: Results of the plusONE Multicenter Randomized Controlled Noninferiority Trial
Ángel Ferrero-de-Loma-Osorio, MD, PhD; Amaya García-Fernández, MD, PhD; Jesús Castiello-Castillo, MD; Maite Izquierdo-de-Francisco, MD, PhD; Alicia Ibáñez-Criado, MD; Jose Moreno-Arribas, MD, PhD; Angel Martínez, MD; Vicente Bertomeu-González, MD, PhD; Patricia López-Mases, RN; María Ajo-Ferrer, RN; Carlos Núñez, MD; Lourdes Bondanza-Saavedra, MD; Juan Miguel Sánchez-Gómez, MD; Juan Gabriel Martínez-Martínez, MD, PhD; Francisco Javier Chorro-Gascó, MD; Ricardo Ruiz-Granell, MD, PhD

Thromboembolic Risks of the Procedural Process in Second-Generation Cryoballoon Ablation Procedures: Analysis From Real-Time Transcranial Doppler Monitoring
ShinSuKe Miyazaki, MD; Tonomori Watanabe, MD; Takatsugu Kajiyama, MD, Jin Iwasawa, MD; Sadamitsu Ichijo, MD; Hiroaki Nakamura, MD; Hiroshi Taniguchi, MD; Kenzo Hirao, MD; Yoshito Isaksa, MD

Near-Field Ultrasound Imaging of Ablation Lesion Formation: More Than Meets the Eye?
Matthew M. Zipse, MD; Duy T. Nguyen, MD

Editorial
Ventricular Tachycardia Ablation: Are We in a New Age?
Arvindh N. Kanagasundram, MD; Ricardo M. Lugo, MD; MA, Gregory F. Michaud, MD

Editorial
Near-Field Ultrasound Imaging During Radiofrequency Catheter Ablation: Tissue Thickness and Epicardial Wall Visualization and Assessment of Radiofrequency Ablation Lesion Formation and Depth
David E. Haines, MD; Matthew Wright, MD, PhD; Erik Harks, PhD; Szabolcs Deladi, PhD; Steven Fokkenrood, MSc; Rob Brink, BSc; Harm Belt, PhD; Alexander F. Kolen, PhD; Nenad Mihajlovic, PhD; Fei Zuo, PhD; Darrell Rankin, Meng; William Stoffregen, DVM; Debra Cockayne, PhD; Joseph Cefalu, BSc

Editorial
More Bubble, More Trouble?: Insights into Microembolic Events During Left Atrial Ablation
Boris Schmidt, MD; K.R. Julian Chun, MD
Significance of Inducible Nonsustained Ventricular Tachycardias After Catheter Ablation for Ventricular Tachycardia in Ischemic Cardiomyopathy
Akira Fujii, MD; Koichi Nagashima, MD, PhD; Saurabh Kumar, MD, PhD; Shinichi Tanigawa, MD; Samuel H. Baldinger, MD; Gregory F. Michaud, MD; Roy M. John, MD, PhD; Bruce A. Koptan, MD, MPH; Michitumi Tokuda, MD, PhD; Koichi Inada, MD, PhD; Usha B. Tedrow, MD, MSC; William G. Stevenson, MD

Endocardial Activation Drives Activation Patterns During Long-Duration Ventricular Fibrillation and Defibrillation
Nuttanont Panitchob, PhD; Li Li, PhD; Jian Huang, MD, PhD; Ravi Ranjan, MD, PhD; Raymond E. Ideker, MD, PhD; Derek J. Dosdall, PhD

Editorial
Ventricular Fibrillation: Rotors or Foci? Both!
Kedar K. Aras, PhD; Matthew W. Kay; Igor R. Efimov, PhD

Pharmacologic Prevention of Incident Atrial Fibrillation: Long-Term Results From the ALLHAT (Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial)
Thomas A. Dewland, MD; Elsaayed Z. Soliman, MD, MSc; Jose-Miguel Yamal, PhD; Barry R. Davis, MD, PhD; Alvaro Alonso, MD, PhD; Christine M. Albert, MD, MPH; Lara M. Simpson, PhD; L. Julian Haywood, MD; Gregory M. Marcus, MD, MAS, for the ALLHAT Collaborative Research Group

Editorial
Atrial Fibrillation: Once Again Not So Easy to Prevent
James A. McCaffrey, MD; Cynthia M. Tracy, MD

Ablation of Rotor Domains Effectively Modulates Dynamics of Human: Long-Standing Persistent Atrial Fibrillation
David Calvo, MD, PhD; José Rubín, MD, PhD; Diego Pérez, MD; César Morís, MD, PhD

Editorial
Rotational Drivers in Atrial Fibrillation: Are Multiple Techniques Circling Similar Mechanisms?
Junaid A.B. Zaman, MA, BMBCh, MRCP; Albert J. Rogers, MD, MBA; Sanjiv M. Narayan, MSc, MD, PhD

Radiofrequency Catheter Ablation of Atrial Tachycardias in Congenital Heart Disease: Results With Special Reference to Complexity of Underlying Anatomy
Sophia Klehs, MD; Heike E. Schneider, MD; David Backhoff, MD; Thomas Paul, MD; Ulrich Krause, MD

Editorial
Ablation of Atrial Arrhythmias in Postoperative Congenital Heart Disease Patients: Have We Reached the Upper Limit of Success or Is It Time for a Paradigm Shift in Strategy?
Jeffrey P. Moak, MD

Age of First Arrhythmic Event in Brugada Syndrome: Data From the SABRUS (Survey on Arrhythmic Events in Brugada Syndrome) in 678 Patients
Anat Milman, MD, PhD; Antoine Andorin, MD; Jean-Baptiste Gourraud, MD, PhD; Frederic Sacher, MD; Philippe Mabo, MD, PhD; Sung-Hwan Kim, MD, PhD; Shingo Maeda, MD, PhD; Yoshihide Takahashi, MD, PhD; Tsukasa Kamakura, MD, PhD; Takeshi Aiba, MD, PhD; Giulo Conte, MD; Jimmy J.M. Juang, MD, PhD; Eran Leshem, MD; Michael Rahkovich, MD; Avram Hochstadt, MD; Yuka Mizusawa, MD; Pieter G. Postema, MD, PhD; Elena Arbelo, MD, PhD; Zhengrong Huang, MD, PhD; Isabelle Denjoy, MD; Carla Giustetto, MD; Yanush D. Wijeyaratne, MD; Carlo Napolitano, MD, PhD; Yev Michowitz, MD; Ramon Brugada, MD, PhD; Ruben Casado-Arroyo, MD, PhD; Jean Champagne, MD; Leonardo Cale, MD; Georgia Sarquella-Brugada, MD, PhD; Jacob Tfelt-Hansen, MD, DMSC; Silvia G. Priori, MD, PhD; Masahiko Takagi, MD, PhD; Christian Veitmann, MD, PhD; Pietro Delise, MD; Domenico Corrado, MD, PhD; Elijah R. Behr, MD; Fiorenzo Gaia, MD; Gan-Yin Yan, MD, PhD; Josep Brugada, MD, PhD; Antoine Leenhardt, MD; Arthur A.M. Wilde, MD, PhD; Pedro Brugada, MD, PhD; Kenji F. Kusano, MD, PhD; Kenzo Hira, MD, PhD; Gi-Byoung Nam, MD, PhD; Vincent Probst, MD; Bernard Belhassen, MD; Kengo F. Kusano, MD, PhD; Kenzo Hirao, MD, PhD; Gi-Byoung Nam, MD, PhD; Vincent Probst, MD; Bernard Belhassen, MD; Kengo F. Kusano, MD, PhD; Kenzo Hirao, MD, PhD; Gi-Byoung Nam, MD, PhD; Vincent Probst, MD; Bernard Belhassen, MD; Kengo F. Kusano, MD, PhD; Kenzo Hirao, MD, PhD; Gi-Byoung Nam, MD, PhD; Vincent Probst, MD; Bernard Belhassen, MD