



Canadian Journal of
Cardiology

Journal canadien
de cardiologie

www.onlinecjc.ca

Journal of the
Journal de la



Canadian
Cardiovascular
Society

Société
canadienne
de cardiologie

For Issue Highlights with article summaries, go to www.onlinecjc.ca.

Society Guidelines

107 2019 Canadian Cardiovascular Society/ Canadian Association of Interventional Cardiology Guidelines on the Acute Management of ST-Elevation Myocardial Infarction: Focused Update on Regionalization and Reperfusion

Primary Panel: *Graham C. Wong, MD, MPH, (Co-chair), Michelle Welsford, MD, Craig Ainsworth, MD, Wael Abuzeid, MD, MSc, Christopher B. Fordyce, MDCM, MHS, MSc, Jennifer Greene, BSc, ACP, Thao Huynh, MD, MSc, PhD, Laurie Lambert, MPH, PhD, Michel Le May, MD, Sobrab Lutchmedial, MDCM, Shamir R. Mehta, MD, MSc, Madhu Natarajan, MD, MSc, Colleen M. Norris, RN, MN, PhD, Christopher B. Overgaard, MD, MSc, Michele Perry Arnesen, MHA, BSN, RN, Ata Quraishi, MBBS, Jean François Tanguay, MD, Mouheiddin Traboulsi, MD,*

Publication Mail Agreement 41536048
Return undeliverable Canadian addresses to:
Elsevier
Periodicals Order
Fulfillment Department
1799 Highway 50 East
Linn, MO 65051

Printed in Canada

On the Cover: *Images of the coronary artery fistula from the left anterior descending (LAD) artery to the main pulmonary artery in a patient with immunoglobulin G4-related inflammatory heart disease. The left image is from a CT scan and the right is the corresponding view on fluorodeoxyglucose F18 positron emission tomography. The arrows point to the location of the fistula. The patient also had a very large coronary artery aneurysm that complicated therapy. From the Case Report by Kadowaki et al., pages 230.e1-230.e3 of this issue.*

Sean van Diepen, MD, MSc, Robert Welsh, MD, David A. Wood, MD, and Warren J. Cantor, MD, (Co-chair); and members of the Secondary Panel

Editorial

133 The Canadian Journal of Cardiology: Open and Growing

Stanley Nattel, MD

138 Managing Cannabis Use in Patients With Cardiovascular Disease

Neal L. Benowitz, MD

142 Statins in Cardio-oncology: Holy Grail or Epiphenomenon

Margot K. Davis, MD, SM, FRCPC, and Sean A. Virani, MD, MSc, MPH, FRCPC, FCCS

145 Physician Estimation of Thrombotic and Bleeding Risks in Atrial Fibrillation: Let's Talk About Sex

Wern Yew Ding, MRCP, Dhiraj Gupta, MD, and Gregory Y.H. Lip, MD

Continued

Table of Contents

147 Health Economic Analysis of Catheter Ablation for Ventricular Tachycardia: Breaking Even With Medical Therapy?

Pablo B. Nery, MD, Mouhannad M. Sadek, MD, and Girish M. Nair, MBBS, MSc

150 Pre-exercise Stress Testing in Type 2 Diabetes: Another Case of Choosing Wisely?

Laura Banks, PhD, RKin, and Kim A. Connelly, MBBS, PhD

Clinical Research - Cardio-oncology

153 Cardioprotective Effect of Statins in Patients With HER2-Positive Breast Cancer Receiving Trastuzumab Therapy

Oscar Calvillo-Argüelles, MD, Husam Abdel-Qadir, MD, PhD, Maria Michalowska, BSc, Filio Billia, MD, PhD, Sivisan Suntheralingam, BSc, Eitan Amir, MD, PhD, and Paaladinesh Thavendiranathan, MD, SM

Clinical Research - Electrophysiology/Arrhythmias

160 Association Between Patient and Physician Sex and Physician-Estimated Stroke and Bleeding Risks in Atrial Fibrillation

Hanna Lee, MD, Mary K. Tan, MSc, Andrew T. Yan, MD, Paul Angaran, MD, Paul Dorian, MD, Claudia Bucci, PharmD, Jean C. Gregoire, MD, Alan D. Bell, MD, Martin S. Green, MD, Peter L. Gross, MD, Allan Skanes, MD, Charles R. Kerr, MD, L. Brent Mitchell, MD, Jafna L. Cox, MD, Vidal Essebag, MD, PhD, Brett Heilbron, MD, Krishnan Ramanathan, MB, ChB, Carl Fournier, MD, Bruce H. Wheeler, MD, Peter J. Lin, MD, Murray Berall, MD, Anatoly Langer, MD, MSc, Lianne Goldin, CCMEP, and Shaun G. Goodman, MD, MSc; on behalf of the FREEDOM AF and CONNECT AF Investigators

169 Health Care Utilization After Ventricular Tachycardia Ablation: A Propensity Score-Matched Cohort Study

Andreu Porta-Sánchez, MD, MSc, Andrew C.T. Ha, MD, MSc, Xuesong Wang, MSc, Fahad Almeahmadi, MD, FRCP, Peter C. Austin, PhD, Hadas D. Fischer, MD, MSc, Atif Al-Qubbany, MD, Diego Chemello, MD, Vijay Chauhan, MD, Eugene Downar, MD, Douglas S. Lee, MD, PhD, and Kumaraswamy Nanthakumar, MD

Clinical Research - Congenital Heart Disease

178 Variability in the Echocardiographic Evaluation of the Systemic Right Ventricle

Marie-A Chaix, MD, MSc, Annie Dore, MD, François Marcotte, MD, Azadeh Shohoudi, PhD, Fabien Labombarda, MD, Lise-Andrée Mercier, MD, Anna Proietti, MSc, Réda Ibrahim, MD, Anita W. Asgar, MD, MSc, Blandine Mondésert, MD, Nancy Poirier, MD, Paul Khairy, MD, PhD, and François-Pierre Mongeon, MD, SM

Clinical Research - Prevention/Rehabilitation

185 Clinical Utility of Pre-Exercise Stress Testing in People With Diabetes

Marni J. Armstrong, PhD, Doreen M. Rabi, MD, MSc, Danielle A. Southern, MSc, Alykhan Nanji, MD, MPH, MBA, William A. Ghali, MD, MPH, and Ronald J. Sigal, MD, MPH

Clinical Research - Interventional Cardiology

193 Shortening Hospital Stay Is Feasible and Safe in Patients With Chronic Thromboembolic Pulmonary Hypertension Treated With Balloon Pulmonary Angioplasty

Mai Kimura, MD, Takashi Kohno, MD, Takashi Kawakami, MD, Masaharu Kataoka, MD, Takahiro Hiraide, MD, Hidenori Moriyama, MD, Sarasa Isobe, MD, Toshimitsu Tsugu, MD, Yuji Itabashi, MD, Mitsushige Murata, MD, Shinsuke Yuasa, MD, and Keiichi Fukuda, MD

Table of Contents

199 Impact of Discharge Location After Transcatheter Aortic Valve Replacement on 1-Year Outcomes in Women: Results From the WIN-TAVI Registry

Julinda Mehilli, MD, Jaya Chandrasekhar, MBBS, MS, Samantha Sartori, PhD, Alaide Chieffo, MD, Anna S. Petronio, MD, Thierry Lefèvre, MD, Patrizia Presbitero, MD, Piera Capranzano, MD, Didier Tchetché, MD, Alessandro Iadanza, MD, Gennaro Sardella, MD, Nicolas M. Van Mieghem, MD, PhD, Emanuela Meliga, MD, Nicolas Dumonteil, MD, Chiara Fraccaro, MD, PhD, Daniela Trabattoni, MD, David Jochheim, MD, Magda Zadrozny, MD, Ghada W. Mikhail, MD, Samin Sharma, MD, Maria C. Ferrer, MD, Christoph Naber, MD, Peter Kievit, MD, Kamilia Moalem, BS, Usman Baber, MD, MS, Clayton Snyder, BS, Madhav Sharma, MBBS, Marie C. Morice, MD, and Roxana Mehran, MD; on behalf of the Women's International Transcatheter Aortic Valve Implantation (WIN-TAVI) Investigators

Basic Research

208 MDI Deficiency Promotes Inflammatory Atrial Remodelling Induced by High-Fat Diets

Wei Shuai, MD, PhD, Bin Kong, MD, PhD, Hui Fu, MD, Caijie Shen, MD, PhD, Xiaobo Jiang, MD, PhD, and He Huang, MD, PhD

Training/Practice: Contemporary Issues in Cardiology Practice

217 Fontan-Associated Liver Disease: Evidence for Early Surveillance of Liver Health in Pediatric Fontan Patients

Steven L. Rathgeber, MD, MSc, and Kevin C. Harris, MD, MHS

221 What the Cardiologist Should Know About Mitochondrial Cardiomyopathy?

Guillaume St-Pierre, MD, FRCPC, Christian Steinberg, MD, FRCPC, Michelle Dubois, RN, BSc, and Mario Sénéchal, MD, FRCPC

225 Minimally Invasive Surgical Aortic Valve Replacement: An Overview of Recent Advances

Ali Fatehi Hassanabad, MD, MSc, BSc, Vishnu Vasanthan, MD, BSc, and William D.T. Kent, MD, MSc, FRCS(C), FACS

Case Report

229.e1 Marijuana Lollipop-Induced Myocardial Infarction

Alexandra Saunders, MD, and Robert S. Stevenson, MD

229.e5 Contrary to Expectations: Off-Label Transcatheter Aortic Valve Replacement in the Case of Left Ventricular Outflow Tract Obstruction

Kerstin Piayda, MD, Verena Veulemans, MD, Katharina Hellhammer, MD, Shazia Afzal, MD, Alexander Blehm, MD, Malte Kelm, MD, and Tobias Zeus, MD

229.e7 Stress-Induced Cardiomyopathy Complicated by Dynamic Left Ventricular Outflow Obstruction, Cardiogenic Shock, and Ventricular Septal Rupture

Kristy T. Webster, MD, Teimuraz Apridonidze, MD, Prashanth R. Mopala, MD, Ariel E. Sherman, MPH, Lakshmi N. Potakamuri, MD, Daniel R. Storms, MD, Alan T. Kono, MD, and Bibhu D. Mohanty, MD

Table of Contents

229.e11 Traumatic Pulmonary Hypertension Secondary to Arteriovenous Fistula and Remote Gunshot Wound

Richard A. Veldhoen, BSc, MSc, MD, Winnie Chan, BSc, MD, Ryan Mahaffey, BSc, MD, and Christine L. D'Arsigny, MDCM

230.e1 Enormous Aneurysm in Coronary Artery Fistula With Immunoglobulin G4-Related Disease

Hiroshi Kadowaki, MD, Eisuke Amiya, MD, PhD, Yasuhiro Hoshino, MD, PhD, Maasa Tamura, MD, PhD, Masae Uehara, MD, PhD, Atsuko Nakayama, MD, PhD, Kan Nawata, MD, PhD, Yukako Domoto, MD, PhD, Takako Saeki, MD, PhD, Minoru Ono, MD, PhD, and Issei Komuro, MD, PhD

Letters to the Editor

230.e5 The Association Between Stent Postdilatation and Death in Patients With Acute Coronary Syndrome

Yu Liu, PhD, Yongyi Bi, PhD, Yingyao Chen, PhD, Lizheng Shi, PhD, and Zhi-Jiang Zhang, PhD

230.e7 Reply to Liu et al.—The ReABSORB Registry

Kevin Haddad, Jean-François Tanguay, MD, Brian J. Potter, MDCM, SM, Alexis Matteau, MD, SM, François Gobeil, MD, and Samer Mansour, MD

230.e9 Thrombotic Complications and Cerebrovascular Events in Takotsubo Syndrome: A Systematic Review and Meta-analysis

Luca Baldetti, MD, Matteo Pagnesi, MD, Guglielmo Gallone, MD, Alessandro Beneduce, MD, Paolo Belardinelli, PhD, Francesco Melillo, MD, Roberto Spoladore, MD, Azeem Latib, MD, Antonio Colombo, MD, and Francesco Giannini, MD

Departments

105 President's Page

A10 Information for Readers