



CJC

Canadian Journal
of Cardiology

www.onlinecjc.ca

Editorial

553 Peripheral Artery Disease: A High-Risk Yet Understudied, Underdiagnosed, and Undertreated Condition—A Call to Action

*Tara M. Mastracci, MD, MSc, FRCSC,
Sonia S. Anand, MD, PhD, FRCPC, and
Aaron W. Aday, MD, MSc*

555 Identifying Resistant Hypertension in the Population: The Devil Is in the Details

Vincent D. Salvador, MD, and George L. Bakris, MD

557 Does Routine Measurement of Aortic Stiffness in Children With Bicuspid Aortic Valve Provide an Opportunity to Better Personalize Care?

Timothy J. Bradley, MBChB

Society Guidelines

560 Canadian Cardiovascular Society 2022 Guidelines for Peripheral Arterial Disease

*Primary Panel: Beth L. Abramson, MD (Co-Chair),
Mohammed Al-Omran, MD (Co-Chair), Sonia S.
Anand, MD (Co-Chair), Zaina Albalawi, MD, Thais*

*Coutinho, MD, Charles de Mestral, MDCM, PhD, Luc
Dubois, MD, Heather L. Gill, MD, Elisa Greco, MD,
Randolph Guzman, MD, Christine Herman, MD,
Mohamad A. Hussain, MD, PhD, Victor F. Huckell,
MD, Prasad Jetty, MD, Eric Kaplovitch, MD, Erin
Karlstedt, MD, Ahmed Kayssi, MD, Thomas Lindsay,
MDCM, G.B John Mancini, MD, Graham McClure,
MD, M. Sean McMurtry, MD, PhD, Hassan Mir,
MD, Sudhir Nagpal, MD, Patrice Nault, MD, Thang
Nguyen, MD, Paul Petrusek, MD, Luke Rannelli, MD,
Derek J. Roberts, MD, PhD, Andre Roussin, MD,
Jacqueline Saw, MD, Kajenny Srivaratharajah, MD,
James Stone, MD, PhD, David Szalay, MD, Darryl
Wan, MD, Secondary Panel: Heather Cox, MD,
Subodh Verma, MD, and Sean Virani, MD*

Review

588 Inflammation as a Mechanism and Therapeutic Target in Peripheral Artery Disease

*Noel C. Chan, MBBS, Ke Xu, MD, PhD, Tim A.C. de
Vries, MSc (Medicine), John W. Eikelboom, MBBS,
MSc, and Jack Hirsh, MD, DSc*

601 Sex as a Key Determinant of Peripheral Artery Disease: Epidemiology, Differential Outcomes, and Proposed Biological Mechanisms

Amanda Morrison, MD, and Aaron W. Aday, MD, MSc

612 Social Deprivation and Peripheral Artery Disease

*David Nash, BHSc, Graham McClure, BSc, MD,
Tara M. Mastracci, MD, MSc, FRCSC, FACS, and
Sonia S. Anand, MD, PhD, FRCPC*

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

Continued



Table of Contents

623 Diagnostic and Therapeutic Challenges of Vasculitis

Megan E. Hansen, MD, Jason Springer, MD, MS, and Kevin Byram, MD

634 Building Your Peripheral Artery Disease Toolkit: Medical Management of Peripheral Artery Disease in 2022

Vinai C. Bhagirath, MD, MSc, David Nash, BHSc, Darryl Wan, MD, and Sonia S. Anand, MD, PhD

645 Prehabilitation for Vascular Surgery Patients: Challenges and Opportunities

Louisa Shovel, BSc, MBBS, MRCP, FRCA, and Clare Morkane, BSc, MBBCh, MRCP, FRCA, FFICM

654 Antithrombotic Therapy in Peripheral Artery Disease: Risk Stratification and Clinical Decision Making

Graham R. McClure, MD, MSc, Eric Kaplovitch, MD, Noel Chan, MD, and Sonia S. Anand, MD, PhD

662 Updates in Endovascular Procedural Navigation

Matthew J. Eagleton, MD

Systematic Review/Meta-analysis

672 Diet and Nutrition in Peripheral Artery Disease: A Systematic Review

Darryl Wan, MD, FRCPC, Vincent Li, BSc, Laura Banfield, BSc, MLIS, MHSc, Sandi Azab, RPh, PhD, Russell J. de Souza, ScD, RD, and Sonia S. Anand, MD, PhD, FRCPC

Clinical Research

681 Epidemiology of Resistant Hypertension in Canada

Alexander A. Leung, MD, MPH, Jeanne V.A. Williams, MSc, Karen C. Tran, MD, MHSc, and Raj S. Padwal, MD, MSc

688 Regional Vascular Changes and Aortic Dilatation in Pediatric Patients With Bicuspid Aortic Valve

Rawan K. Rumman, MD, PhD, Cameron Slorach, RDCS, Wei Hui, RDCS, MD, PhD, Carmen Lopez, MD, Guillermo Larios, MD, Steve Fan, PhD, Anders Franco-Cereceda, MD, PhD, Bart Loeys, MD, PhD, Salah A. Mohamed, MD, PhD, Harry Dietz, MD, Seema Mital, MD, Gregor Andelfinger, MD, PhD, Luc Mertens, MD, PhD, and Michael Grattan, MD, MSc; on behalf of the Mechanistic Interrogation of Bicuspid Aortic Valve-associated Aortopathy (MIBAVA) Leducq Consortium

Training/Practice: Contemporary Issues in Cardiology Practice

695 Who to Screen for Thoracic Aortic Aneurysms, and When to Refer for Surgery

Thais Coutinho, MD, Julie Richer, MD, and Munir Boodhwani, MD

Training/Practice: Health Policy and Promotion

699 Challenges in Peripheral Artery Disease Clinical Trial Implementation and Design

Jennifer A. Rymer, MD, MBA, MHS, and J. Antonio Gutierrez, MD

Departments

A5 Information for Readers