



Canadian Journal of
Cardiology

Journal canadien
de cardiologie

www.onlinecjc.ca

*Journal of the
Journal de la*



Canadian
Cardiovascular
Society

Société
canadienne
de cardiologie

Editor-in-Chief

Stanley Nattel, MD, FRCPC, FRSC, FACC, FHRS
Paul-David Chair in Cardiovascular Electrophysiology
Professor of Medicine, University of Montreal/Montreal Heart Institute

Associate Editors

Jonathan Afilalo
Montréal, Québec, Canada

Robert Beanlands
Ottawa, Ontario, Canada

James Brophy
Montréal, Québec, Canada

Ross Feldman
Winnipeg, Manitoba, Canada

John Floras
Toronto, Ontario, Canada

Stephen E. Frenes
Toronto, Ontario, Canada

Michelle Graham
Edmonton, Alberta, Canada

Kevin Harris
Vancouver, British Columbia, Canada

Robert Hegele
London, Ontario, Canada

Marc Jolicœur
Montréal, Québec, Canada

Merril Knudtson
Calgary, Alberta, Canada

Gavin Oudit
Edmonton, Alberta, Canada

Allan Skanes
London, Ontario, Canada

Eric Thorin
Montréal, Québec, Canada

David Waters
San Francisco, California, USA

Editor Emeritus

Eldon Smith
Calgary, Alberta, Canada

Editorial Board

Martin Aguilar
Montréal, Québec, Canada

Katherine Allan
Toronto, Ontario, Canada

Gregor Andelfinger
Montréal, Québec, Canada

Robert H. Anderson
*Newcastle upon Tyne,
United Kingdom*

Todd Anderson
Calgary, Alberta, Canada

Rakesh Arora
Winnipeg, Manitoba, Canada

Anita Asgar
Montréal, Québec, Canada

Rabih Azar
Beirut, Lebanon

Lorenzo Azzalini
Milan, Italy

Matthew Bates
Middlesbrough, United Kingdom

David Bewick
Saint-John, New Brunswick, Canada

Michael Bourke
North Bay, Ontario, Canada

Emmanouil S. Brilakis
Minneapolis, Minnesota, USA

Liam Brunham
Vancouver, British Columbia, Canada

Daniel Burns
Cleveland, Ohio, USA

Ian Burwash
Ottawa, Ontario, Canada

Warwick Butt
Melbourne, Australia

Kwan Chan
Ottawa, Ontario, Canada

Vincent Chan
Ottawa, Ontario, Canada

Christopher Cheung
Vancouver, British Columbia, Canada

Aun Yeong Chong
Ottawa, Ontario, Canada

Benjamin Chow
Ottawa, Ontario, Canada

Sebastian Clauss
Munich, Germany

Kim Connelly
Toronto, Ontario, Canada

Anita Cote
Vancouver, British Columbia, Canada

Jens Cosedis Nielsen
Aarhus N, Denmark

Thais Coutinho
Ottawa, Ontario, Canada

Jafna Cox
Halifax, Nova Scotia, Canada

Bibiana Cujec
Edmonton, Alberta, Canada

Nagib Dahdah
Montréal, Québec, Canada

Dawood Darbar
Chicago, Illinois, USA

Christine D'Arsigny
Kingston, Ontario, Canada

Darryl Davis
Ottawa, Ontario, Canada

Victoria Delgado
Leiden, The Netherlands

Yvan Devaux
Strassen, Luxembourg

Marc Deyell
Vancouver, British Columbia, Canada

Paul Dorian
Toronto, Ontario, Canada

Jean-François Dorval
Montréal, Québec, Canada

Hank Duff
Calgary, Alberta, Canada

Jocelyn Dupuis
Montréal, Québec, Canada

Jason Dyck
Edmonton, Alberta, Canada

Joachim Ehrlich
Frankfurt, Germany

Justin Ezekowitz
Edmonton, Alberta, Canada

Paul W.M. Fedak
Calgary, Alberta, Canada

Nowell Fine
Calgary, Alberta, Canada

Jacques Genest
Montréal, Québec, Canada

Chris Glover
Ottawa, Ontario, Canada

Michael Goldfarb
Montréal, Québec, Canada

Michael Gollob
Ottawa, Ontario, Canada

Martin Green
Ottawa, Ontario, Canada

Dina Greene
Seattle, Washington, USA

Steven Greenway
Calgary, Alberta, Canada

Eduard Guasch
Barcelona, Spain

Lorne Gula
London, Ontario, Canada

Milan Gupta
Brampton, Ontario, Canada

Daniel Hackam
London, Ontario, Canada

Robert Hamilton
Toronto, Ontario, Canada

Camille Hancock-Friesen
Dallas, Texas, USA

Bryan Har
Calgary, Alberta, Canada

Jeffrey S. Healey
Hamilton, Ontario, Canada

George Heckman
Waterloo, Ontario, Canada

Paul Hendry
Ottawa, Ontario, Canada

Christine Henri
Montréal, Québec, Canada

Swapnil Hiremath
Ottawa, Ontario, Canada

Imo Hoefler
Utrecht, The Netherlands

Junko Honye
Tokyo, Japan

Andrew Howarth
Calgary, Alberta, Canada

Jonathan Howlett
Calgary, Alberta, Canada

Karin Humphries
Vancouver, British Columbia, Canada

Frederic Jacques
Québec, Québec, Canada

Davinder Jassal
Winnipeg, Manitoba, Canada

Christopher Johnson
Ottawa, Ontario, Canada

Michal Kantoch
Edmonton, Alberta, Canada

Zamaneh Kassiri
Edmonton, Alberta, Canada

Editorial Board - continued

- Katherine Kavanagh
Calgary, Alberta, Canada
- Pete Kavsak
Hamilton, Ontario, Canada
- Michael Khoury
Edmonton, Alberta, Canada
- Kathryn King-Shier
Calgary, Alberta, Canada
- Andrew D. Krahn
London, Ontario, Canada
- Yoan Lamarche
Montréal, Québec, Canada
- Shahar Lavi
London, Ontario, Canada
- Carl (Chip) J. Lavie
New Orleans, Louisiana, USA
- Harold L. Lazar
Boston, Massachusetts, USA
- Jonathon Leipsic
Vancouver, British Columbia, Canada
- Howard Leong-poi
Toronto, Ontario, Canada
- Ren-Ke Li
Toronto, Ontario, Canada
- Dominik Linz
Adelaide, Australia
- Gregory Y.H. Lip
Birmingham, United Kingdom
- Gary Lопасчук
Edmonton, Alberta, Canada
- Jessica G.Y. Luc
Vancouver, British Columbia, Canada
- Laurent Macle
Montréal, Québec, Canada
- Micha Maeder
St Gallen, Switzerland
- G.B. John Mancini
Vancouver, British Columbia, Canada
- Dante Manyari
Surrey, British Columbia, Canada
- Guillaume Marquis-Gravel
Montréal, Québec, Canada
- Alexis Matteau
Montréal, Québec, Canada
- Robert McKelvie
Hamilton, Ontario, Canada
- Michael McMurtry
Edmonton, Alberta, Canada
- David Meerkin
Jerusalem, Israel
- Luc L. Mertens
Toronto, Ontario, Canada
- Lauriane Michel
Leuven, Belgium
- Gordon Moe
Toronto, Ontario, Canada
- François-Pierre Mongeon
Montréal, Québec, Canada
- A. Dave Nagpal
London, Ontario, Canada
- Arnold Ng
Brisbane, Australia
- Stéphane Noble
Geneva, Switzerland
- Manoj Obeyesekere
Malvern East, Australia
- Erwin Oechslin
Toronto, Ontario, Canada
- Morton Olesen
Copenhagen, Denmark
- Raj Padwal
Edmonton, Alberta, Canada
- Jean-Michel Paradis
Québec, Québec, Canada
- Guillaume Paré
Hamilton, Ontario, Canada
- David Ian Paterson
Edmonton, Alberta, Canada
- Tianqing Peng
London, Ontario, Canada
- François Philippon
Québec, Québec, Canada
- Philippe Pibarot
Québec, Québec, Canada
- Geoffrey Pickering
London, Ontario, Canada
- Michele Pighi
Verona, Italy
- Paul Poirier
Québec, Québec, Canada
- P. Timothy Pollak
Calgary, Alberta, Canada
- Brian Potter
Montréal, Québec, Canada
- Normand Racine
Montréal, Québec, Canada
- Dominic Raco
Etobicoke, Ontario, Canada
- F. Daniel Ramirez
Ottawa, Ontario, Canada
- Varinder Randhawa
Cleveland, Ohio, USA
- Vivek Rao
Toronto, Ontario, Canada
- Svetlana Reilly
Oxford, United Kingdom
- Carol Remme
Amsterdam, The Netherlands
- Alain Rivard
Montréal, Québec, Canada
- Jacques Rizkallah
Calgary, Alberta, Canada
- Jason Roberts
London, Ontario, Canada
- Susan L. Roche
Toronto, Ontario, Canada
- John Ryan
Salt Lake City, Utah, USA
- Michelle Samuel
Montréal, Québec, Canada
- Prashanthan Sanders
Adelaide, Australia
- Michael A. Seidman
Vancouver, British Columbia, Canada
- Frank W. Sellke
Providence, Rhode Island, USA
- Nariman Sepehrvand
Edmonton, Alberta, Canada
- Miriam Shanks
Edmonton, Alberta, Canada
- Robert Sheldon
Calgary, Alberta, Canada
- Rohit Singal
Victoria, British Columbia, Canada
- Manish Sood
Ottawa, Ontario, Canada
- David Spence
Toronto, Ontario, Canada
- Duncan Stewart
Ottawa, Ontario, Canada
- James Arthur Stone
Calgary, Alberta, Canada
- Bradley Strauss
Toronto, Ontario, Canada
- Oliver Strohm
Baden-Baden, Germany
- Neville Suskin
London, Ontario, Canada
- Koon Teo
Hamilton, Ontario, Canada
- Sheldon Tobe
Toronto, Ontario, Canada
- Rhian Touyz
Glasgow, United Kingdom
- Daniel Vaiman
Paris, France
- Sean van Diepen
Edmonton, Alberta, Canada
- David R. van Wagener
Cleveland, Ohio, USA
- Josef Veselka
Prague, Czech Republic
- Isabelle Vonder Muhll
Edmonton, Alberta, Canada
- Rachel Wald
Toronto, Ontario, Canada
- Zhiguo Wang
Harbin, China
- Robert Welsh
Edmonton, Alberta, Canada
- Harindra Wijeyesundera
Toronto, Ontario, Canada
- Arthur A.M. Wilde
Amsterdam, The Netherlands
- Lynne Williams
St Neots, United Kingdom
- Steve Wilton
Calgary, Alberta, Canada
- David Wood
Vancouver, British Columbia, Canada
- D. George Wyse
Calgary, Alberta, Canada
- Bobby Yanagawa
Toronto, Ontario, Canada
- Raymond Yee
London, Ontario, Canada

Trainee Editorial Board Members

- Sabin Bozso
Edmonton, Alberta, Canada
- Devin Chetan
Toronto, Ontario, Canada
- Pishoy Gouda
Edmonton, Alberta, Canada
- Qutuba Karwi
Edmonton, Alberta, Canada
- Stephen Wright
Vancouver, British Columbia, Canada
- Haran Yogasundaram
Edmonton, Alberta, Canada