Call for Original Papers: Focus Issue on Circulatory Support and Shock Management
to be published in April 2025
(manuscripts to be submitted by September 1, 2024)

Guest Editors

Phyllis Billia, MD, PhD, FRCPC
Assistant Professor, University of Toronto
Director of Research, Peter Munk Cardiac Centre
Medical Director, Mechanical Circulatory Support Program

Warwick Butt, MB, BS, FRACP, FJFICM
Adjunct Professor, Central Medical School, Alfred Hospital
Faculty of Medicine, Nursing & Health Sciences
Director, The Royal Children’s Intensive Care Unit

Christopher Fordyce, MD, MHS, MSc, FRCPCH
Director, Cardiac Intensive Care Unit, Vancouver General Hospital
Associate Professor, Division of Cardiology, University of British Columbia
Co-Director, Site Based Research, UBC Centre for Cardiovascular Innovation

Yoan Lamarche, MD, MSc, FRCSC
Director, Cardiac Surgical Intensive Care Unit, Montreal Heart Institute
Associate Professor of Surgery, Université de Montréal

Varinder Randhawa, MD, PhD, FRCPCH
Clinical & Research Fellow, Critical Care & Heart Failure Transplant Cardiology University of Toronto, Sunnybrook Health Sciences

Sean van Diepen, MD, FRCPCH, FAHA
Associate Professor of Critical Care Medicine and Cardiology, University of Alberta
Coronary Intensive Care Unit Co-Director, Walter Mackenzie Center

The Canadian Journal of Cardiology publishes occasional Focus Issues devoted largely to a specific research topic. These issues contain a number of expert reviews, and part of each issue is reserved for original research papers. All papers are subjected to the normal peer review process (an editorial decision is usually made within 14 days of receipt of any manuscript).

A Focus Issue on Circulatory Support and Shock Management is scheduled to appear in April 2025. The Focus Issue will contain a number of important cutting-edge reviews as well as original papers in the area. Original articles in Focus Issues generally receive wide attention and citation.

We invite authors to contribute original manuscripts such as Original Research (Basic or Clinical), Systematic Review/Meta-analysis, and Research Letters papers in this area for the upcoming focus issue. Authors should indicate in their submission letters that the manuscripts are intended for the “Circulatory Support and Shock Management” focus issue.

Preliminary topics of invited articles (for which authors have already been identified) include:

Review

1. ECLS-SHOCK and DanGer Shock: Understanding of the use of temporary mechanical circulatory support for cardiogenic shock due to acute myocardial infarction and implications for Clinical Practice
2. The comparative epidemiology, pathophysiology and management of shock associated with myocardial infarction vs. advanced heart failure
3. Management of cardiogenic shock due to primary non-cardiac causes

(Continued)
4. Differences in septic shock, pathophysiology and circulatory support in children vs. adults
5. The pros and cons of venoarterial extracorporeal mechanical oxygenator (ECMO) use in septic shock among adults
6. The role of sweep nitric oxide in circulatory support systems
7. Escalation vs. elevation of care in cardiogenic shock
8. The role of palliative care in acute shock through destination therapy
9. Aiming for regional healthcare equity for shock patients
10. The use of postcardiotomy ECMO in complex congenital heart disease
11. Surgical considerations in ECMO support for children and adults
12. Novel statistical approaches to critical care trial design: special considerations for small-population and high acuity/high mortality contexts
13. The role of shock teams in decision making around mechanical circulatory support

**Contemporary Issues in Cardiology Practice**

1. How to manage ventricular tachycardia arrhythmia in a patient on ECMO
2. The role of echocardiography in ECMO monitoring
3. Unresolved controversies in revascularization in the context of cardiogenic shock with acute myocardial infarction
4. Primer on when and how to use continuous renal replacement therapy in patients undergoing mechanical circulatory support

**Editorial**

1. A personal perspective on the historical impact of circulatory support and outcomes in shock

Deadline for submission of manuscripts: **September 1, 2024**

Expected publication date: **April 2025**

*N.B. Accepted articles are generally published as an in-press article within 7 days of acceptance.*