



WEST INDIAN MEDICAL JOURNAL

Supplement

Vol 67 (Suppl 3): 1–25

September 27–28, 2018

ISSN 2309-5830 (Online)

ISSN 0043-3144 (Print)

WIMJAD

**The University of the West Indies
School of Clinical Medicine and Research
The Bahamas**

Presents

The 12th Annual Research Day

Holistic Care: Integrating Mental, Social and Physical Health

September 27–28, 2018

**University of The Bahamas Auditorium
Grosvenor Close Campus
Nassau, The Bahamas**

EDITORIAL BOARD

Chairman

W Abel

Editor-in-Chief

EN Barton

Associate Editors

D Cohall

T Ferguson

DT Gilbert

G Hutchinson

R Pierre

Assistant Editors

MO Castillo-Rangel

K Chin

W Francis

A Levy

AK Soyibo

H Trotman

Deans

T Paul

P Adams

T Seemungal

*R Roberts (Director, UWI School of Clinical Medicine and Research
– The Bahamas)*

Treasurer

N Logan

T Alleyne

C Christie-Samuels

N Duncan

H Fletcher

Y Fujita

R Gibson

A Hennis

J Hospedales (CARPHA)

T Jones

W McLaughlin

R Melbourne-Chambers

MO Owolabi

A Pearson

J Plummer

C Rattray

T Richards

DT Simeon

MF Smikle

S Weaver

Y Zhao

Editorial Advisory Board

M Boyne

FC Brosius III

G Burkett

D Eldemire-Shearer

C Escoffery

LF Ferder

N Kissoon

M Lee

C Ogunsalu

OO Oguntibeju

A Ojo

D Oshi

M Samms-Vaughan

GR Serjeant

AAE Verhagen

M Voutchkov

RJ Wilks

Past Editors

JL Stafford 1951–1955

JA Tulloch 1956–1960

D Gore 1961

CP Douglas 1962

D Gore 1963–1966

P Curzen 1967

RA Irvine 1967–1969

TVN Persaud 1970–1972

GAO Alleyne 1973–1975

V Persaud 1975–1995

D Raje 1995–1996

WN Gibbs 1996–1999

BUSINESS INFORMATION

Copyright: Material printed in the Journal is covered by copyright and may not be reproduced in whole or in part without the written permission of the Editor-in-Chief. Single photocopies may be made by individuals without obtaining prior permission.

Microform: The Journal is available in microform from Bell and Howell Information and Learning.

Abstracting and Indexing: The Journal is currently included in major abstracting and indexing services.

Correspondence should be addressed to:

THE EDITOR-IN-CHIEF, West Indian Medical Journal, Faculty of Medical Sciences, The University of the West Indies, Mona, Kingston 7, Jamaica, West Indies

West Indian Medical Journal (access by subscription): wimj@uwimona.edu.jm; www.mona.uwi.edu/fms/wimj

WIMJ Open (open access): wimjopen@uwimona.edu.jm; www.mona.uwi.edu/wimjopen

Telephone: +1 (876) 927-1214. **Fax:** +1 (876) 927-1846.

ANNUAL SUBSCRIPTION:

Overseas US\$175

Local US\$70

Residents & Fellows US\$50

Students US\$10

West Indian Medical Journal
Published by the Faculties of Medical Sciences, The University of the West Indies, Mona, Jamaica,
St Augustine, Trinidad and Tobago, and Cave Hill, Barbados



**The University of the West Indies
School of Clinical Medicine and Research
The Bahamas**

Presents

The 12th Annual Research Day

Holistic Care: Integrating Mental, Social and Physical Health

September 27–28, 2018

**University of The Bahamas Auditorium
Grosvenor Close Campus
Nassau, The Bahamas**

Editor-in-Chief
Professor EN Barton

Scientific Editors
Morton Anthony Frankson
Darron Halliday

PUBLISHED BY THE WEST INDIAN MEDICAL JOURNAL
FACULTY OF MEDICAL SCIENCES
THE UNIVERSITY OF THE WEST INDIES, MONA, KINGSTON 7, JAMAICA, WEST INDIES

11th Annual Nephrology and Hypertension Conference

January 18 and 19, 2019

The Jamaica Pegasus Hotel

An International Society of Nephrology CME Meeting

Organized by the Caribbean Institute of Nephrology

www.caribbeaninstituteofnephrology.net

Caribbeaninstituteofnephrology@yahoo.com

+1 (876) 977-4520 / 927-1707 (Ms Malcolm)



70 years of Service,
70 years of Leadership

WEST INDIAN MEDICAL JOURNAL

Upcoming Special Issue on Healthcare Development and Ageing:

“70 Years of Health and Growth”

In Celebration of the 70th Anniversary of The University of the West Indies in 2018

Note: The West Indian Medical Journal has transitioned to an electronic-only journal.

SUBSCRIPTION FORM

Annual Subscription (please select one):

US\$175 (Overseas) / US\$70 (Local) / US\$50 (Residents & Fellows) / US\$10 (Students)

Name: _____ Title: _____

Address: _____

Tel: _____ Fax: _____ Email: _____

Are you a new subscriber? Yes ☐ No ☐

Please make cheques payable to the **West Indian Medical Journal**.

Card No: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Visa ☐ MasterCard ☐ Keycard ☐ Discover ☐ Debit card ☐

Expiry date: _____

Signature: _____ Date: _____

Thank you. Please return this form with your payment to: **West Indian Medical Journal, Faculty of Medical Sciences, The University of the West Indies, Kingston 7, Jamaica, West Indies.**

Emails: wimj@uwimona.edu.jm, wimjopen@uwimona.edu.jm

Websites: www.mona.uwi.edu/fms/wimj, www.mona.uwi.edu/wimjopen

Tel: +1 (876) 927-1214

Fax: +1 (876) 927-1846



**The
University
of the
West Indies
Mona
Jamaica**

**West
Indian
Medical
Journal**

About the *West Indian Medical Journal*

- In publication since 1951
- The only peer-reviewed medical journal in the English-speaking Caribbean
- Fully electronic (www.mona.uwi.edu/fms/wimj)
- The reference journal of diseases and medical research in the Caribbean
- Contents include original scientific research, reviews, brief communications, commentaries, viewpoints, proceedings of clinopathological conferences, continuing medical education sections, dental forum, case reports, and letters
- Published by the Faculties of Medical Sciences, The University of the West Indies, Mona, Jamaica, St Augustine, Trinidad and Tobago, and Cave Hill, Barbados
- Published in English, with abstracts of scientific research articles in both English and Spanish
- Subscribers from the English-speaking, French and Dutch Caribbean Islands, North America, England, Europe, Africa and Asia

Services offered

- WIMJ Open (www.mona.uwi.edu/wimjopen) – an alternative open access platform
- Special issues, electronic and hard copies (if requested)
- Conference proceedings (supplements) on request

For further information, visit or contact us at:

**Faculty of Medical Sciences, The University of the West Indies,
Mona, Kingston 7, Jamaica, West Indies**

**www.mona.uwi.edu/fms/wimj • www.mona.uwi.edu/wimjopen
wimj@uwimona.edu.jm • wimjopen@uwimona.edu.jm**

Telephone: +1 (876) 927-1214

Fax: +1 (876) 927-1846