

SAJCC

SOUTHERN AFRICAN JOURNAL OF CRITICAL CARE

The Official Journal of the Critical Care Society of Southern Africa

July 2017 Vol. 33 No. 1

CONTENTS

EDITORIAL

- 2 Sugar, Pressure and Pregnancy
W L Michell

ARTICLES

- 4 Glycaemic control in a cardiothoracic surgical population: Exploring the protocol-practice gap
D Maharaj, H Perrie, J Scribante, F Paruk
- 8 Analysis of damping characteristics of arterial catheter blood pressure monitoring
W H Rook, J D Turner, T H Clutton-Brock
- 12 Obstetric patients admitted to the intensive care unit of Dr George Mukhari Academic Hospital, Ga-Rankuwa, South Africa
M Motiang
- 15 Correlation between different methods of intra-abdominal pressure monitoring in varying intra-abdominal hypertension models
R D Wise, R N Rodseth, L Correa-Martin, F M Sanchez Margallo, P Becker, G Castellanos, M L N Malbrain
- 19 Lived experiences of Rwandan ICU nurses caring for patients with a do-not-resuscitate order
E Nankundwa, P Brysiewicz
- 23 Contamination of nebulisers and surrounding air at the bedside of mechanically ventilated patients
L van Heerden, H van Aswegen, S van Vuuren, R Roos, A Duse

CASE REPORT

- 28 The treatment of autonomic dysfunction in tetanus
G L Maryke Spruyt, T van den Heever

LETTER TO THE EDITOR

- 32 The need for setting standards in critical care transfers
M Venter, D Stanton, N Conradie, L Jordaan, C Venter, M Venter, W Stassen

Photo credit: Intensivecarehotline.com

Articles listed in:

EXCERPTA MEDICA (EM BASE), BIOLOGICAL ABSTRACTS (BIOSIS), SCIENCE CITATION INDEX (SCISEARCH), CURRENT CONTENTS/CLINICAL MEDICINE, SCIENTIFIC ELECTRONIC LIBRARY ONLINE (SCIELO)

Published by the Health and Medical Publishing Group Pty Ltd, Co registration 2004/022032/07, a subsidiary of the South African Medical Association, Suite 11, Lonsdale Building, Gardener Way, Pinelands, 7405.

All letters and articles for publication must be submitted online at www.sajcc.org.za. Tel: 072 635 9825. E-mail: publishing@hmpg.co.za

Critical Care Society of Southern Africa
Contact details: Alison Shaw (Royal House), CCSSA Secretariat,
Tel: (031) 831 6416, Email: secretariat@criticalcare.org.za, Website: www.criticalcare.org.za

The views and opinions expressed in the *SA Journal of Critical Care* are those of the authors and do not necessarily reflect the views of the editors of the journal or the Critical Care Society of Southern Africa. The appearance of advertising in the journal does not denote a guarantee or an endorsement by the Society of the products or the claims made for the products by the manufacturers.

Copyright 2000 by the SA Medical Association. This work is copyright under the Berne Convention. It is also copyright in terms of the Copyright Act 98 of 1978. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without permission of the copyright holder.

EDITOR
W L Michell FFA (Crit Care)
University of Cape Town

DEPUTY EDITOR
B Morrow BSc (Physio), PhD
University of Cape Town

NURSING SCIENCE EDITOR
P Brysiewicz RN, PhD
University of KwaZulu-Natal

ASSOCIATE EDITORS
A Argent FCPaed (Cert Crit Care), MD
University of Cape Town
P D Gopalan FCA (Crit Care)
University of KwaZulu-Natal
L Hill RD, PhD
CriticalPoint Critical Care Nutrition Consultancy
I A Joubert FCA (Crit Care)
University of Cape Town
R Mathiva FCPaed (Crit Care)
University of the Witwatersrand
M Mer FCP (Pulm) (Cert Crit Care)
University of the Witwatersrand
S Mokgokong MMed (Neurosurg), DSc
University of Pretoria
F Paruk FCOG (SA) (Cert Crit Care), PhD
University of Pretoria
H Perrie RN, MSc
University of the Witwatersrand
G Richards FCP(SA), PhD
University of the Witwatersrand
J Scribante RN, MSc
University of the Witwatersrand

PUBLISHED BY
Health and Medical Publishing Group (HMPG), a subsidiary of the South African Medical Association

HEAD OFFICE
Health and Medical Publishing Group (Pty) Ltd
Block F, Castle Walk Corporate Park,
Nossob Street, Erasmuskloof Ext. 3,
Pretoria, 0181
Tel. 012 481 2069
Email: dianes@hmpg.co.za

HMPG
CEO AND PUBLISHER
Hannah Kikaya

CONSULTING EDITOR
J P de V van Niekerk

EXECUTIVE EDITOR
Bridget Farham

MANAGING EDITORS
Naadia van der Bergh
Claudia Naidu

TECHNICAL EDITORS
Naadia van der Bergh
Kirsten Morreira

PRODUCTION MANAGER
Emma Jane Couzens

DTP AND DESIGN
Clinton Griffin
Travis Arendse

CHIEF OPERATING OFFICER
Diane Smith
Tel. (012) 481-2069

ISSN 1562-8264



Use of editorial material is subject to the Creative Commons Attribution – Noncommercial Works License. <http://creativecommons.org/licenses/by-nc/3.0>

PRINTED BY
TANDYM PRINT