

Cardiopulmonary Physiotherapy in Trauma

An Evidence-based Approach

Edited by Heleen van Aswegen (University of the Witwatersrand, Johannesburg, South Africa) & Brenda Morrow (University of Cape Town, South Africa)

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Trauma is a serious public health problem worldwide and is the leading cause of death among adults and children. Physiotherapists play a key role in the interdisciplinary team caring for patients with physical injury after a traumatic event. Cardiopulmonary Physiotherapy in Trauma offers valuable insight into the advanced trauma life support and acute care management of patients with trauma-related injuries, as well as physiotherapy treatment aims, intervention strategies and precautions to treatment.

A variety of topics related to trauma are brought together in this practical volume, which shares information obtained from published research as well as the extensive clinical expertise of the authors. The dissemination of the authors' personal experience is key in cases where evidence to support the use of certain treatment techniques in patients with traumatic injury is still lacking. The book is thus an essential reference that encourages evidence-based practice for advanced undergraduate students, as well as graduate physiotherapists who work with trauma patients in the acute care setting.

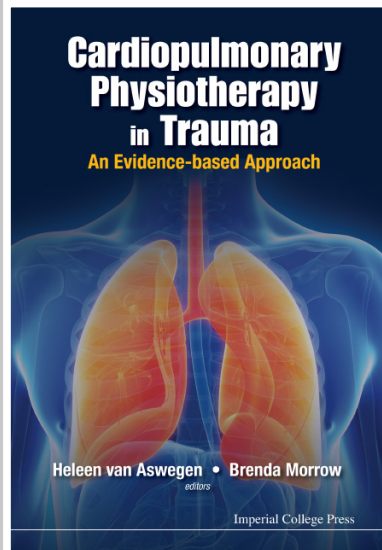
Contents

Physiological Responses to Trauma; Anatomical Differences between Children and Adults; Trauma and Immunosuppressive Diseases; Physiotherapy Modalities, Markers and Outcome Measures; Blunt and Penetrating Trauma; Burn Injuries; Multiple Orthopaedic Injuries; Acute Spinal Cord Injury; Traumatic Brain Injury; Quality of Life of Survivors of Trauma

Authors

Heleen van Aswegen completed her Bachelor and Master of Science degrees in Physiotherapy at the University of the Free State in 1992 and 1997 respectively. She worked as a clinical physiotherapist in South Africa and in the United Kingdom for a total of 10 years before she joined the Physiotherapy department at the University of the Witwatersrand, Johannesburg as a lecturer in 2002 where she coordinates and co-teaches the undergraduate and postgraduate cardiopulmonary physiotherapy curricula. Heleen obtained her PhD at the University of the Witwatersrand in 2008 and was promoted to the position of Associate-Professor in 2013. Prof van Aswegen's research interest is in the quality of life of survivors of critical illness and the role of exercise therapy to enhance their functional recovery. She is a member of the International Confederation of Cardiorespiratory Physical Therapists, Critical Care Society of South Africa and South African Society of Physiotherapy.

Brenda Morrow is an Associate Professor in the Department of Paediatrics, University of Cape Town (UCT), South Africa. A physiotherapist by training, Brenda worked clinically from 1995 to 2006 at Red Cross War Memorial Children's Hospital in Cape Town. She developed a special interest in paediatric respiratory diseases, particularly in the context of critical care and the management of children with Cystic Fibrosis, and embarked on a Master's Degree in 2001, which was upgraded to PhD in 2003. In 2012 she was promoted *Ad Hominem* to Associate Professor. Since 1998, Brenda has been engaged in teaching and supervision of undergraduate and postgraduate students. Her current job description includes expanding the African Paediatric Fellowship Program to train paediatric allied health and rehabilitation therapists throughout Africa and to facilitate the concept of a multidisciplinary, holistic approach to child health practice and research. In 2014, she completed a Postgraduate Diploma in Human Research ethics through the University of Stellenbosch. She has published and presented her research findings widely, and won several awards. She is a regular reviewer for international journals.



SPECIAL PRICE

R1 122.00 (incl. VAT)

Key Features

- Written by expert physiotherapists for physiotherapists
- Provides more detailed information on the advanced trauma life support, surgical and intensive care unit management of patients with various types of traumatic injury compared with information found in other cardiopulmonary physiotherapy textbooks
- Provides evidence-based information on the physiotherapy management of both adult and paediatric patients with traumatic injury in the acute care setting
- Extensive pedagogical features make this text easily digestible and accessible for undergraduates and new practitioners on the go i.e., 'key message' boxes and clinical case scenarios
- Exercise therapy strategies for the rehabilitation of patients with traumatic injury in the acute care setting and after hospital discharge are also provided
- The only truly comprehensive & pedagogical textbook on the topic
- International market — should be the book recommended in the UK and abroad (editors are based in South Africa)

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