# Diving and Hyperbaric Medicine

The Journal of the South Pacific Underwater Medicine Society (Incorporated in Victoria) A0020660B and the European Underwater and Baromedical Society



Volume 39 No. 3 September 2009





# **Decompression stress and the endothelium**

Saturation therapy for severe decompression sickness

Lung function in New Zealand occupational divers

Treatment of decompression illness in Scotland

Australian diving fatalities in 2004

ISSN 1833 - 3516 ABN 29 299 823 713

# **CONTENTS**

# Diving and Hyperbaric Medicine Volume 39 No. 3 September 2009

#### **Editorial**

125 The Editor's offering

# **Original articles**

- 126 Analysis of two datasets of divers with actual or suspected decompression illness
  - Martin DJ Sayer, John AS Ross and Colin M Wilson
- 133 The long-term effects of compressed gas diving on lung function in New Zealand occupational divers: a retrospective analysis

  Christopher Sames, Desmond F Gorman, Simon J Mitchell, Greq
- Gamble

  138 Provisional report on diving-related fatalities in Australian

waters 2004

Douglas Walker, John Lippmann, Chris Lawrence, John Houston and Andrew Fock

#### **Review articles**

162 The role of intra-vascular bubbles and the vascular endothelium in decompression sickness Alf O Brubakk and Andreas Møllerløkken

# Case reports

- 170 Saturation treatment in shore-based chambers for divers with deteriorating cerebro-spinal decompression sickness
  - Colin M Wilson, John AS Ross and Martin DJ Sayer
- 175 Severe Irukandji-like jellyfish stings in Thai waters
  Peter J Fenner and John Lippmann

# Continuing professional development

181 Continuing professional development and continuing medical education in Diving and Hyperbaric Medicine
Michael Bennett

## **SPUMS notices & news**

- 183 1st Joint Meeting South Pacific Underwater Medicine Society Asian Hyperbaric and Diving Medical Association
- 184 Minutes of the SPUMS Executive Committee Meeting 15 Nov 2008
- 185 Diploma of Diving and Hyperbaric Medicine requirements
- 185 ANZCA Certificate in Diving and Hyperbaric Medicine

### **EUBS** notices & news

- 186 EUBS Executive Committee
- 187 EUBS 2010 Annual Meeting preliminary notice

#### Letters to the Editor

- 178 Online literature database for diving and hyperbaric medicine

  Wilhelm Welslau
- 178 Deaths from breath-hold diving Douglas Walker
- 179 Reply Erika Schagatay

### **Book review**

- 180 Textbook of hyperbaric medicine, 5th edition K.K. Jain
- 187 Courses, meetings and advertising
- 188 Instructions to authors (short version)

Diving and Hyperbaric Medicine is indexed on SCIE and EMBASE

Printed by Snap Printing, 166 Burwood Road, Hawthorn, Victoria 3122 hawthorn@snap.com.au