

Diving and Hyperbaric Medicine

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

SPUMS

Volume 39 No. 1 March 2009

EUBS



New Zealand's worst diving accident

Oxygen monitoring for closed-circuit rebreathers

Problems with a hyperbaric patient ventilator

2003 Australian diving fatality case reports

Clinical audit of decompression sickness

*ISSN 1833 - 3516
ABN 29 299 823 713*

*Print Post Approved
PP 331758/0015*

CONTENTS

Diving and Hyperbaric Medicine Volume 39 No. 1 March 2009

Editorial and Presidents' pages

- 1 **The Editor's offering**
- 2 **The Presidents' pages**
Alf Brubakk and Michael Bennett

Original articles

- 4 **Provisional report on diving-related fatalities in Australian waters 2003**
Douglas Walker and John Lippmann
- 20 **Analysis of a complex recreational scuba diving accident: French Pass, New Zealand, 2000**
Graham McGeoch and F Michael Davis
- 29 **Using a Delphi technique to rank potential causes of scuba diving incidents**
Peter Buzzacott, Michael Rosenberg and Terri Pikora

The world as it is

- 33 **Emergency recompression: clinical audit of service delivery at a national level**
John AS Ross and Martin DJ Sayer

Technical articles

- 38 **Oxygen sensor signal validation for the safety of the rebreather diver**
Arne Sieber, Antonio L'Abbate and Remo Bedini
- 45 **Malfunction of the Siaretron 1000 Iper™ hyperbaric ventilator**
Pieter A Bothma, Andreas Brodbeck and Uday Bapat

Letter to the Editor

- 48 **Australian scuba diving fatalities and decompression sickness**
Erratum and further analysis
John Lippmann

Book review

- 49 **Hyperbaric medicine practice 3rd ed**
Kindwall EP, Whelan HT, editors

SPUMS notices & news

- 51 **Diploma of Diving and Hyperbaric Medicine requirements**
- 52 **Notice of the SPUMS Annual General Meeting 2009**
- 52 **Minutes of the SPUMS Committee 28th May 2008**
- 52 **Education Officer's report March 2009**
- 54 **ANZCA Certificate in Diving and Hyperbaric Medicine**
- 55 **SPUMS ASM 2009**

EUBS notices & news

- 56 **EUBS 35th ASM 2009**
- 57 **EUBS Executive Committee**
- 58 **EUBS website update**

Situation vacant

- 59 **Situation vacant**

Courses and meetings

- 58 **Courses and meetings**

Instructions to authors

- 60 **Instructions to authors**

Errata

- 28 **Attribution of cartoon in December 2008 issue**
- 48 **Footnote to Table 1, German diving accident guidelines**

Diving and Hyperbaric Medicine is indexed on SCIE and EMBASE

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