Extreme breath-hold diving - Part II

Perfluorocarbons – promise in decompression sickness?
Nitric oxide as a marker of inflammation in diving
Instrumenting the breath-hold diver
In-dive rehydration for the working diver
## CONTENTS

Diving and Hyperbaric Medicine Volume 40 No. 1 March 2010

### Editorials
1. The Editor’s offering
2. The Presidents’ pages

### Short communications
4. Variations in exhaled nitric concentration after three types of dive
   Pieter-Jan van Ooij, Antoinette Houtkooper and Rob van Hulst
8. A subjective evaluation of a drinking system for saturation divers
   Arvid Hope and Rudolf Brekken

### Review articles
11. Predicting performance in competitive apnea diving. Part II: dynamic apnea
   Erika Schagatay
23. Basic mechanisms of gas transport and past research using perfluorocarbons
   Bruce D Spiess
28. The potential role of perfluorocarbon emulsions in decompression illness
   Bruce D Spiess

### Technical report
34. A novel wearable apnea dive computer for continuous plethysmographic monitoring of oxygen saturation and heart rate
   Benjamin Kuch, Bernhard Koss, Zeljko Dujic, Giorgio Buttazzo and Arne Sieber

### The world as it is
41. Future synergism in diving accident management: the Singapore model
   Chong Si Jack, Liang Weihao, Kim Soo Joang and Kang Wee Lee

### Continuing professional development
44. 2010/1 Dysbaric osteonecrosis, decompression illness and the diver
   Michael Bennett

### Book reviews
45. Proceedings of the fifteenth International Congress on Hyperbaric Medicine, Barcelona 2005
   Jordi Desola
46. Another Whitstable trade
   John Bevan

### Commentary
47. The performance of dive computers at altitude
   Martin Sayer

### Article reprinted from other sources
48. Utility of regular medical examinations of occupational divers [Abstract]
   C Sames, D Gorman, SJ Mitchell, G Gamble
   Commentary: David Elliott

### SPUMS notices & news
49. Diploma of Diving and Hyperbaric Medicine requirements
50. Notice of SPUMS Annual General Meeting 2010
50. Australian and New Zealand Hyperbaric Medicine Group, Chairman's report
51. Standards Australia report 15 January 2010
52. Australian and New Zealand College of Anaesthetists
52. ANZCA Certificate in Diving and Hyperbaric Medicine, Examination results
53. 1st Joint Meeting South Pacific Underwater Medicine Society, Asian Hyperbaric and Diving Medical Association

### EUBS notices & news
54. EUBS Executive Committee
55. EUBS website news
55. Election of Member-at-Large: candidate sought
56. EUBS 2010 Annual Scientific Meeting

### Courses, meetings and advertising
57. Instructions to authors (short version)

Diving and Hyperbaric Medicine is indexed on SCIE and EMBASE

Printed by Snap Printing, 166 Burwood Road, Hawthorn, Victoria 31222
hawthorn@snapprinting.com.au