

# Diving and Hyperbaric Medicine

*The Journal of the South Pacific Underwater Medicine Society  
and the European Underwater and Baromedical Society*

**SPUMS**

*Volume 47 No. 1 March 2017*

**EUBS**



## Liver injury in decompression illness

Field study of deep stops in technical diving: no advantages?

Otitis externa is common but mild in navy diver trainees

An unusual presentation of cerebral DCI

ECG changes in Turkish professional divers

ECHM recommendations for hyperbaric oxygen treatment

The Grattan Report: poor methods and erroneous conclusions

Infusion devices for hyperbaric use

# CONTENTS

Diving and Hyperbaric Medicine Volume 47 No. 1 March 2017

## Editorials

- 1 **The Editor's offering**
- 2 **The Presidents' pages**

## Original articles

- 4 **Otitis externa in military divers: more frequent and less harmful than reported**  
Thijs T Wingelaar, Pieter-Jan AM van Ooij, Rob A van Hulst
- 9 **A comparative evaluation of two decompression procedures for technical diving using inflammatory responses: compartmental versus ratio deco**  
Enzo Spisni, Claudio Marabotti, Luigja De Fazio, Maria Chiara Valerii, Elena Cavazza, Stefano Brambilla, Klarida Hoxha, Antonio L'Abbate, Pasquale Longobardi
- 17 **Preventive effect of rosiglitazone on liver injury in a mouse model of decompression sickness**  
Bin Peng, Miao-Miao Chen, Zheng-Lin Jiang, Xia Li, Guo-Hua Wang, Li-Hua Xu

## Consensus Conference

- 24 **Tenth European Consensus Conference on Hyperbaric Medicine: recommendations for accepted and non-accepted clinical indications and practice of hyperbaric oxygen therapy**  
Daniel Mathieu, Alessandro Marroni, Jacek Kot

## Technical reports

- 33 **An assessment of the performance of the Baxter Elastomeric Large Volume (LV10) Infusor pump under hyperbaric conditions**  
Stephen Perks, Denise F Blake, Derelle A Young, John Hardman, Lawrence H Brown, Iestyn Lewis, Tilley Pain
- 38 **Performance of the BBraun Perfusor Space syringe driver under hyperbaric conditions**  
Lachlan Frawley, Bridget Devaney, Theo Tsouras, Geoff Frawley

## Scientific integrity review

- 44 **Identifying and acting on inappropriate metadata: a critique of the Grattan Institute Report on questionable care in Australian hospitals**  
P David Cooper, David R Smart

## Short communication

- 55 **The prevalence of electrocardiogram abnormalities in professional divers**  
Ali E Gunes, Maide Cimsit

## Case report

- 59 **Anton's syndrome as a presentation of decompression illness**  
Charles P Azzopardi, Lyubisa Matity, Stephen Muscat

## World as it is

- 62 **British Sub-Aqua Club (BSAC) diving incidents report 2015**  
Colin Wilson

## Letters to the Editor

- 65 **USN Treatment Table 9**  
Dick Clarke
- 65 **Cerebral arterial gas embolism, ingestion of hydrogen peroxide and flight**  
Beuy Joob, Viroj Wiwanitkit

## Book review

- 66 **Cherry Red**  
Neal Pollock

## Obituary

- 67 **Norman (Nick) KI McIver**  
James Douglas

## EUBS notices and news

- 68 **43rd EUBS Annual Scientific Meeting 2017**
- 68 **EUBS Affiliate Society agreements**
- 68 **EUBS Membership Secretary/Treasurer**

## SPUMS notices and news

- 58 **Insulin-requiring diabetes and recreational diving: Australian Diabetes Society position statement December 2016**
- 69 **SPUMS Annual Scientific Meeting 2017**
- 69 **ACEM and ANZCA CPD notices for SPUMS ASM 2017**
- 70 **SPUMS Diploma in Diving and Hyperbaric Medicine**

- 71 **Courses and meetings**

Diving and Hyperbaric Medicine is indexed on MEDLINE, SciSearch® and Embase/Scopus

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