

# CONTENTS

Diving and Hyperbaric Medicine Volume 50 No.2 June 2020

## Editorial

- 90 **Diving and hyperbaric medicine in the SARS-CoV-2 pandemic**  
Simon J Mitchell

## Original articles

- 92 **Recreational diving-related injury insurance claims among Divers Alert Network Japan members: Retrospective analysis of 321 cases from 2010 to 2014**  
Yasushi Kojima, Akiko Kojima, Yumi Niizeki<sup>1</sup>, Kazuyoshi Yagishita
- 98 **Medical conditions in scuba diving fatality victims in Australia, 2001 to 2013**  
John Lippmann, David McD Taylor
- 105 **Scuba diving fatalities in Australia, 2001 to 2013: Diver demographics and characteristics**  
John Lippmann, Christopher Stevenson, David McD Taylor
- 115 **Pupillometry is not sensitive to gas narcosis in divers breathing hyperbaric air or normobaric nitrous oxide**  
Xavier CE Vrijdag, Hanna van Waart, Jamie W Sleight, Simon J Mitchell
- 121 **Deep anaesthesia: The Thailand cave rescue and its implications for management of the unconscious diver underwater**  
Hanna van Waart, Richard J Harris, Nicholas Gant, Xavier CE Vrijdag, Craig J Challen, Chanrit Lawthaweesawat, Simon J Mitchell
- 130 **Anxiety impact on scuba performance and underwater cognitive processing ability**  
Feng-Hua Tsai, Wen-Lan Wu, Jing-Min Liang, Hsiu-Tao Hsu, Te-Yuan Chen

## Review article

- 135 **Recreational diving in persons with type 1 and type 2 diabetes: Advancing capabilities and recommendations**  
Johan H Jendle, Peter Adolfsson, Neal W Pollock

## Technical report

- 144 **Evaluation of the Abbot FreeStyle Optium Neo H blood glucose meter in the hyperbaric oxygen environment**  
Carol R Baines, P David Cooper, Geraldine A O'Rourke, Charne Miller

## Short communication

- 152 **Experimental use of flow cytometry to detect bacteria viability after hyperbaric oxygen exposure: Work in progress report**  
Miroslav Rozložnik, Alexandra Lochmanova, Dittmar Chmelar, Michal Hajek, Karin Korytkova, Monika Cisarikova
- 157 **Assessment of a dive incident using heart rate variability**  
André Zenske, Andreas Koch, Wataru Kähler, Kerstin Oellrich, Clark Pepper, Thomas Muth, Jochen D Schipke
- 164 **Adult attention-deficit/hyperactivity disorder prevalence among commercial divers in South Africa**  
Charles H Van Wijk, WA Jack Meintjes

## Case reports

- 168 **Sphenoid sinus mucocele as an unusual differential diagnosis in diving injuries**  
Bengusu Mirasoglu, Seren Kirmizi, Samil Aktas
- 173 **Bubbles in the skin microcirculation underlying *cutis marmorata* in decompression sickness: Preliminary observations**  
Eduardo García, Simon J Mitchell
- 178 **Diaphragmatic injury a hidden issue for divers following trauma: Case report**  
Matthew Summers, Ian C Gawthorpe
- 181 **Clinical problem solving: Mental confusion and hypoxaemia after scuba diving**  
Jean-Eric Blatteau, Jean Morin, Romain Roffi, Arnaud Druelle, Fabrice Sbardella, Olivier Castagna
- 185 **Sudden death after oxygen toxicity seizure during hyperbaric oxygen treatment: Case report**  
Rutger C Lalieu, René D Bol Raap, Emile FL Dubois, Rob A van Hulst

## Obituary

- 189 **Richard D Vann, PhD: 1941–2020**  
Richard Moon

## SPUMS notices and news

- 190 **SPUMS President's message**  
David Smart
- 194 **SPUMS Diploma in Diving and Hyperbaric Medicine**

## EUBS notices and news

- 195 **EUBS President's message**  
Ole Hyldegaard
- 196 **EUBS Notices and news**
- 198 **Courses and meetings**
- 199 **Diving and Hyperbaric Medicine: Instructions for authors (Full version)**

Diving and Hyperbaric Medicine is indexed on [MEDLINE](#), [Web of Science®](#) and [Embase/Scopus](#)  
Articles from 2017 are deposited in [PubMed Central®](#)