

Join SPUMS or EUBS to receive this journal

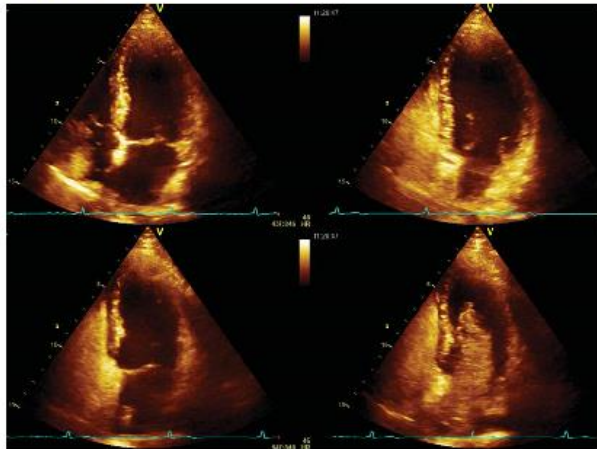
Diving and Hyperbaric Medicine

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

SPUMS

Volume 45 No. 2 June 2015

EUBS



Special issue

Persistent foramen ovale and decompression illness

First-aid O₂ devices for injured divers: which and how much O₂?

Are skin bends due to brain injury in decompression illness?

Does alcohol protect rats from decompression sickness?

Survival from 'poppers' and alcohol: a role for HBOT?

CONTENTS

Diving and Hyperbaric Medicine Volume 45 No. 2 June 2015

Editorial

- 73 Persistent (patent) foramen ovale (PFO): implications for safe diving
Peter Geronpré

Original articles

- 75 A rat model of chronic moderate alcohol consumption and risk of decompression sickness
Peter Buzzacott, Aleksandra Mazur, Qiong Wang, Kate Lambrechts, Michael Theron, François Guerrero
- 79 A comparison of the tissue oxygenation achieved using different oxygen delivery devices and flow rates
Denise F Blake, Philip Naidoo, Lawrence H Brown, Derelle Young, John Lippmann
- 84 *Cutis marmorata* in decompression illness may be cerebrally mediated: a novel hypothesis on the aetiology of *cutis marmorata*
Tom CPM Kemper, Rienk Rienks, Pieter-Jan AM van Ooij, Rob van Hulst
- 89 Comparison of the size of persistent foramen ovale and atrial septal defects in divers with shunt-related decompression illness and in the general population
Peter T Wilmshurst, W Lindsay Morrison, Kevin P Walsh, Matthew J Pearson and Simon Nightingale
- 94 An audit of persistent foramen ovale closure in 105 divers
Alex Pearman, Luc Bugeja, Martin Nelson, Gergely V Szanthe, Mark S Turner

Review articles

- 98 The role of persistent foramen ovale and other shunts in decompression illness
Peter T Wilmshurst
- 105 Pathophysiology of inner ear decompression sickness: potential role of the persistent foramen ovale
Simon J Mitchell, David J Doolette
- 111 Assessing potential divers with a history of congenital heart disease
Mark S Turner

PFO and ASD case reports

- 116 Delayed blood-brain barrier disruption after shallow-water diving demonstrated by magnetic resonance imaging
Amir Hadanny, Sigal Tal, Gregor Fishlev, Yair Bechor, Shai Efrati
- 121 Atrial septal defect: a coincidental finding on a screening medical
Elizabeth J Elliott
- 124 Cerebral arterial gas embolism in a professional diver with a persistent foramen ovale
Colin M Wilson, Martin DJ Sayer
- 126 Diving and percutaneous closure of persistent (patent) foramen ovale
Efrén, Martínez-Quintana, Silvia Gopar-Gopar, Fayna Rodríguez-González

Persistent foramen ovale and diving

- 129 Joint statement of the South Pacific Underwater Medicine Society (SPUMS) and the United Kingdom Sports Diving Medical Committee (UKSDMC)
David Smart, Simon Mitchell, Peter Wilmshurst, Mark Turner and Neil Banham

Other case reports

- 132 Severe methaemoglobinaemia treated with adjunctive hyperbaric oxygenation
Joerg Lindenmann, Nicole Fink-Neuböck, Gernot Schlicher and Freyja M Smolle-Jüttner

Letters to the Editor

- 135 Inner-ear decompression sickness: 'hubble-bubble' without brain trouble?
Lucio Tremolizzo, Massimo Malpieri, Carlo Ferraresse, Ildebrando Appolonio
- 136 Grommets in HBOT patients: GA vs LA, unanswered questions
Clinton R Gibbs, Katherine H Commons

Correction

- 137 Correction and response to: Grommets in HBOT patients: GA vs. LA, unanswered questions
Laura Lamprell, Venkat Vangaveti, Derelle Young, John Orton

Continuing professional development

- 138 Persistent (patent) foramen ovale and diving
Peter Geronpré

Erratum

SPUMS notices and news

- 140 ANZ Hyperbaric Medicine Group Introductory Course
- 140 SPUMS Annual Scientific Meeting 2016 Preliminary notice
- 140 Certificate in Diving and Hyperbaric Medicine ANZ College of Anaesthetists
- 141 SPUMS Diploma in Diving and Hyperbaric Medicine

EUBS notices and news

- 142 41st EUBS Annual Scientific Meeting 2015
- 142 EUBS President's message
Costantino Balestra
- 142 Important message: EUBS membership dues
- 142 EUBS Elections
- 143 Courses and meetings