

Diving and Hyperbaric Medicine

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

SPUMS

Volume 54 No. 2 June 2024

EUBS



Regional management of diving fatalities

HBO for femoral avascular necrosis

HBO for central retinal artery occlusion

Dipstick urinalysis in diving medicals

Effect of hypercapnia on decompression sickness

Cardiac investigations before hyperbaric oxygen

Shunt mediated DCS in a compressed air worker

HBO for post-surgical haematoma and oedema

Drinking and driving vs nitrogen and diving

CONTENTS

Diving and Hyperbaric Medicine Volume 54 No. 2 June 2024

85 The Editor's offering

Original articles

86 **Formulating policies and procedures for managing diving related deaths: a whole of state engagement from frontline and hospital services in Tasmania**

Elizabeth J Elliott, Karl Price, Bernard Peters

92 **The use of hyperbaric oxygen for avascular necrosis of the femoral head and femoral condyle: a single centre's experience over 30 years**

John RB Currie, Ian C Gawthrope, Neil D Banham

97 **Survey comparing the treatment of central retinal artery occlusion with hyperbaric oxygen in Australia and New Zealand with the recommended guidelines as outlined by the Undersea and Hyperbaric Medical Society**

William Emmerton, Neil D Banham, Ian C Gawthrope

105 **Clinical utility of dipstick urinalysis in assessing fitness to dive in military divers, submariners, and hyperbaric personnel**

Arne Melessen, Thijs T Wingelaar, Pieter-Jan AM van Ooij

Review articles

110 **Effects of CO₂ on the occurrence of decompression sickness: review of the literature**

Lucile Daubresse, Nicolas Vallée, Arnaud Druelle, Olivier Castagna, Régis Guieu, Jean-Eric Blatteau

120 **The role of routine cardiac investigations before hyperbaric oxygen treatment**

Connor TA Brenna, Marcus Salvatori, Shawn Khan, George Djaiani, Simone Schiavo, Rita Katznelson

Case reports

127 **Shunt-mediated decompression sickness in a compressed air worker with an atrial septal defect**

Andrew P Colvin, Ryan Hogg, Peter T Wilmshurst

133 **Hyperbaric oxygen treatment in bilateral orchiopexy and post-circumcision haematoma in a thrombocytopenic patient with Noonan syndrome**

Dilşad Dereli, Selahattin Çakıroğlu, Ayse Aydan Köse, Baran Tokar

World as it is

137 **Drinker driver flyer diver**
Gerard Laden, Bruce Mathew

EUBS notices and news

140 **EUBS2024 Scientific Meeting on Diving and Hyperbaric Medicine**

140 **EUBS Elections – Member-at-Large**

140 **European Code of Good Practice in HBO Therapy (ECGP): Free download**

142 **The British Hyperbaric Association (BHA) annual conference flyer**

SPUMS notices and news

143 **The President's report**

145 **Save the date – ASM SPUMS 2025**
First notice

146 **SPUMS Diploma in Diving and Hyperbaric Medicine**
Requirements for candidates (May 2014)

147 **Courses and meetings**

148 **Diving and Hyperbaric Medicine: Instructions for authors**
(Full version – updated June 2024)