EDITORIALS
The Editor’s offering
Davis M
Editorials, technical diving, deaths, resuscitation
2013;43(3):129.
[no key words]
The President’s pages
Balestra C
Medical society, meetings, research, general interest
Balestra C, Bennett M
Medical society, meetings, research, general interest
Decompression sickness, editorials, general interest
2013;43(3):130.
ORIGINAL ARTICLES
Monitoring cardiac output during hyperbaric oxygen treatment of haemodynamically unstable patients
Doppler, cardiovascular, patient monitoring, hyperbaric oxygen therapy, necrotising infections, physiology
Long-term analysis of Irukandji stings in Far North Queensland
Carrette TJ, Seymour JE
Marine animals, jellyfish, envenomation, medical database, pain, treatment, epidemiology
Provisional report on diving-related fatalities in Australian waters 2008
Diving deaths, scuba, breath-hold diving, surface-supply breathing apparatus (SSBA), diving accidents, case reports
2013;43(1):16-34.
Oxidative stress in breath-hold divers after repetitive dives
Breath-hold diving, physiology, diving reflex, cardiovascular, echocardiography, Doppler, hypoxia
Functional comparison between critical flicker fusion frequency and simple cognitive tests in subjects breathing air or oxygen in normobaria
Hemelryck W, Rozloznik M, Geronmpré P, Balestra C, Lafère P
Air, oxygen, narcosis, performance, psychology, research
A prospective analysis of independent patient risk factors for middle ear barotrauma in a multiplace hyperbaric chamber
Commons KH, Blake DF, Brown LH
Ear barotrauma, hyperbaric oxygen therapy, risk factors, hyperbaric research, morbidity
Provisional report on diving-related fatalities in Australian waters 2009
Lippmann J, Lawrence C, Fock A, Wodak T, Jamieson S
Diving deaths, scuba, breath-hold diving, surface-supply breathing apparatus (SSBA), diving accidents, case reports
Effects of hyperbaric oxygen on blood glucose levels in patients with diabetes mellitus, stroke or traumatic brain injury and healthy volunteers: a prospective, crossover, controlled trial
Hyperbaric oxygen, blood glucose, prospective controlled trial, blood pressure, heart rate
Hyperbaric oxygen therapy treatment for the recovery of muscle injury induced in rats
Cervaens Costa Maia M, Camacho OF, Pinto Marques AF, Barata de Silva Coelho PM
Hyperbaric oxygen, hyperbaric oxygen therapy, musculoskeletal, injuries, research
SHORT COMMUNICATION
Comparison of venous glucose to finger-prick glucose in patients with diabetes under hyperbaric hypoxic conditions: a pilot study
McIlroy D, Banham N
Diabetes, hyperbaric oxygen, blood sugar level, patient monitoring
REVIEW ARTICLES
Recreational technical diving part 1: an introduction to technical diving methods and activities
Mitchell SJ, Doolette DJ
Technical diving, enriched air – nitrox, trimix, cave diving, wreck diving, rebreather, review article
Recreational technical diving part 2: decompression from deep technical dives
Doolette DJ, Mitchell SJ
Technical diving, deep diving, trimix, decompression, decompression tables, models, decompression sickness, inner ear, review article
2013;43(2):96-104.
Effects of diving and oxygen on autonomic nervous system and cerebral blood flow
Winklewski PJ, Kot J, Frydrychowski AF, Nuckowska MK, Tkachenko Y
Scuba diving, cerebral blood flow, oxygen, autonomic nervous system, neurogenic pulmonary oedema, immersion pulmonary oedema
WORK IN PROGRESS
Characterization of early thermal burns and the effects of hyperbaric oxygen treatment: a pilot study
Chong SJ, Kan EM, Song C, Soh CR, Lu J
Burns, hyperbaric oxygen therapy, Doppler, inflammation, bacteriology
CASE REPORTS
Livedoid vasculopathy successfully treated with hyperbaric oxygen
Banham NDG
Wounds, hyperbaric oxygen, hyperbaric oxygen therapy, case reports
Pulmonary oedema in breath-hold diving: an unusual presentation and computed tomography findings
Gempp E, Sbardella F, Cardinale M, Louge P
Breath-hold diving, freediving, pulmonary oedema, radiological imaging, case reports
Efficacy of hyperbaric oxygen therapy in a young woman with idiopathic branch retinal artery occlusion
Demir M, Kara O, Yildiz A, Guven D
Retinal artery occlusion, hyperbaric oxygen therapy, outcome, case reports
Hyperbaric oxygen in the treatment of perichondritis of the pinna
Fernandes FL, Lavor M, de Carvalho GM, Guimarães AC
Ear, infection, wound healing, hyperbaric oxygen therapy, case reports
Acute coronary syndrome and decompression illness: a challenge for the diving physician
Brauzzi M, Andreozzi F, De Fina L, Tanasi P, Falini S
Decompression illness, decompression sickness, cardiovascular, diving accidents, case reports
THE WORLD AS IT IS
How delay to recompression influences treatment and outcome in recreational divers with mild to moderate neurological decompression sickness in a remote setting
Mutzbauer TS
Decompression sickness, recreational diving, scuba diving, resort diving, hyperbaric oxygen therapy, outcome
Managing scientific diving operations in a remote location: the Canadian high Arctic
Scientific diving, remote locations, decompression illness, injuries, first aid, oxygen, medical kits
Perceptions amongst Tasmanian recreational scuba divers of the value of a diving medical
Baines C
Fitness to dive, recreational diving, medicals – diving, survey – diving, computers
2013;43(4):244-6.
THE DIVING DOCTOR’S DIARY
Epilepsy, scuba diving and risk assessment. Near misses and the need for ongoing vigilance
Smart D, Lippmann J
Epilepsy, scuba diving, scuba accidents, fitness to dive, recreational divers
Pneumomediastinum or lung damage in breath-hold divers from different mechanisms: a report of three cases
Toklu AS, Erelel M, Arslan A
Breath-hold diving, freediving, pulmonary barotrauma, arterial gas embolism, cerebral arterial gas embolism (CAGE), buccal pumping, case reports
Spontaneous pneumomediastinum in an 11-year-old boy after a shallow breath-hold dive
Laitila M, Eskola V
Breath-hold diving, pulmonary barotrauma, children, radiological imaging, case reports
Cerebral air embolism after pleural streptokinase instillation
Janisch T, Siekmann U, Kopp R
Pulmonary barotrauma, cerebral arterial gas embolism (CAGE), hyperbaric oxygen therapy, case reports
BRITISH SUB-AQUA CLUB (BSAC) DIVING INCIDENTS REPORT 2012
British Sub-Aqua Club (BSAC) diving incidents report 2012
Compiled by Brian Cumming, Diving Incidents Advisor
Brian Cumming, summarised by Colin Wilson
Recreational diving, accidents, diving deaths, abstracts, case reports

**HISTORICAL ARTICLES**

Diving – effects of breathing oxygen under pressure
Admiralty Fleet Order AFO 4565/44 (promulgated 24 August 1944)
The Chairman, Admiralty Diving Committee, HMS Dolphin, c/o GPO London
Hyperbaric oxygen, central nervous system, toxicity, military diving, historical, reprinted from 2013;43(2):105-8.
Report to the Sub-Committee on Underwater Physiology of the Royal Naval Personnel Research Committee. Aug 1944.
RNP 44/125; UPS 48.
Barlow HB, MacIntosh FC

**EUBS WORKSHOP**
Summary of EUBS Workshop 2011: Validation of dive computers
Blogg L, Lang M, Møllerløkken A
Medical society, meetings, decompression, computers – diving, diving at work

**REPRINTED FROM OTHER SOURCES**
Skin burns as a result of using commercial hand warmers in a drysuit using nitrox as a breathing gas. A case report (Abstract)
Anderson GP
A case of deep burns, while diving the Lusitania (Commentary)
Curran JN, McGuigan KG, O’Broin E
Guidelines for rescue of an unresponsive diver from depth (Summary)
Mitchell SJ, on behalf of the Undersea and Hyperbaric Medical Society Diving Committee
An analysis of the causes of compressed-gas diving fatalities in Australia from 1972–2005 (Abstract)
Lippmann J, Baddeley A, Vann R, Walker D
Decompression illness: Clinical aspects of 5,278 consecutive cases treated in a single hyperbaric unit (Abstract)
Decompression sickness, decompression illness, arterial gas embolism, hyperbaric oxygen therapy, treatment sequelae, clinical audit, reprinted from 2013;43(3):171.
Practice recommendations in the diagnosis, management, and prevention of carbon monoxide poisoning (Abstract)
Hampson NB, Piantadosi CA, Thom SR, Weaver LK
Carbon monoxide, clinical toxicology, toxicity, treatment, hyperbaric oxygen therapy, reprinted from 2013;43(3):172.
Hyperbaric oxygen therapy improves peripheral insulin sensitivity in humans (Abstract)
Wilkinson D, Chapman IM, Heilbronn LK
Diabetes, hyperbaric oxygen, blood sugar level, endocrinology, hyperbaric research, reprinted from 2013;43(3):172.

**LETTERS TO THE EDITOR**
Surgia – inspiring future surgeons and anaesthetists at Griffith University Medical School Nightingale J, Cattanach D, Dolan-Evans E
Medical society, education, general interest, letters (to the Editor)
Despite animal studies, HBOT is the treatment of choice for cerebral gas embolism
Bothma PA
Cerebral arterial gas embolism (CAGE), venous gas embolism, arterial gas embolism, clinical audit, letters (to the Editor)
2013;43(3):249.
New SPUMS Education Officer needed
Smart D
Medical society, research, letters (to the Editor)

**BOOK AND JOURNAL REVIEWS**
Fathomeering: an Amphibian’s tale
(Howitt I, author)
Goble S

**CONTINUING PROFESSIONAL DEVELOPMENT**
The ‘normobaric oxygen paradox’: another potential way to use oxygen. CME activity 2013/1
Balestra C
Cerebral oxygen toxicity. CME activity 2013/2
Banham N
Oxygen, hyperbaric oxygen, hyperbaric oxygen therapy, hyperoxia, toxicity, central nervous system, MOPS (maintenance of professional standards) 2013;43(2):114-5.
Physiological effects of oxygen, breath-holding and immersion. CME activity 2013/3
Fabricius C
MOPS (maintenance of professional standards), blood pressure, cerebral blood flow, diving reflex, hyperbaric oxygen, immersion, physiology

Diabetes and diving. CME activity 2013/4
Bennett M
MOPS (maintenance of professional standards), diabetes, medical conditions and problems, fitness to dive

CRITICAL APPRAISAL
Hyperbaric oxygen therapy no better than sham in improving post-concussion symptoms following mild traumatic brain injury
Bennett M
Brain injury, hyperbaric oxygen therapy, outcome, hyperbaric research, critical appraisal

Weak evidence that HBOT is of benefit in the treatment of patients with Herpes zoster
Bourke A, Hui B
Infectious diseases, hyperbaric oxygen therapy, outcome, hyperbaric research, critical appraisal

REUNION 2013
Reunion 2013, Tricontinental Scientific Meeting on Diving and Hyperbaric Medicine

SPUMS NOTICES and NEWS
SPUMS Diploma in Diving and Hyperbaric Medicine (updated March 2013)
Qualifications, underwater medicine, hyperbaric oxygen, research, medical society

Minutes of the SPUMS Executive, Committee teleconference 13 August 2012
Medical society, meetings

SPUMS website news

Australian and New Zealand Hyperbaric Medicine Group (ANZHMG) Chairman’s Report November 2012
Smart D
Qualifications, medical society, underwater medicine, hyperbaric oxygen, research

Certificate in Diving and Hyperbaric Medicine of the Australian and New Zealand College of Anaesthetists
Szekely S

John Pennefather: 40 years’ service at the Submarine and Underwater Medicine Unit
Hissink J
Military diving, diving research, research, general interest

Minutes for SPUMS Executive Committee meeting, 01–02 December 2012
Medical society, meetings

The SPUMS Annual General Meeting 2013, Notice of Meeting
Richardson K
Medical society, meetings

ANZHMG Chairman’s report
Smart D
Hyperbaric oxygen therapy, occupational diving, standards, meetings, medical society

SPUMS Annual Scientific Meeting 2014
Banham N

EUBS NOTICES and NEWS
Executive Committee (as of September 2012)

EUBS Annual Scientific Meeting 2014 Preliminary Announcement

Phypode Fellows update
Buzzcott P
Research, diving research, hyperbaric research, decompression sickness, general interest

Zetterström Award – Réunion2013

Musimu award – Réunion2013

EUBS 2014, First announcement and call for abstracts

THE POETRY DOCTOR
Losing virginity
Parker J

INSTRUCTIONS TO AUTHORS
Instructions to authors (Short version, updated December 2012)
2013;43(1):60.

Instructions to authors (Short version, updated June 2013)
Diving and Hyperbaric Medicine is indexed on MEDLINE, SciSearch® and Embase/Scopus

The Diving and Hyperbaric Medicine journal website is at
<www.dhmjournal.com>