Index for Volume 41, 2011

March 2012
# KEY WORDS FOR DIVING AND HYPERBARIC MEDICINE

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**EDITORIALS**

The Editor’s offering  
Davis M  
2011;41(3):117.  

The President’s pages  
Germonpré P  
Medical society, general interest  
2011;41(2):58.  
2011;41(4):182

**INVITED EDITORIALS**

The foundations for today’s future  
Elliot D  
Editorials, medical society, training, standards, history, general interest  

The proceedings of the inaugural meeting of the European Undersea Bio-Medical Society 1971  
Barnard EEP  
Medical society, meetings, history, general interest  

**ORIGINAL ARTICLES**

Respiratory rate can be modulated by long-loop muscular reflexes, a possible factor in involuntary cessation of apnea  
Balestra C, Levenez M, Lafère P, Dachy B, Ezquer M, Germonpré P  
Musculoskeletal, metabolism, breath-hold diving, respiratory, physiology, research  

The use of drugs by UK recreational divers: illicit drugs  
St Leger Dowse M, Shaw S, Cridge C, Smerdon G  
Recreational divers, drugs, risk factors, health survey, questionnaire, epidemiology  

The use of drugs by UK recreational divers: prescribed and over-the-counter medications  
St Leger Dowse M, Cridge C, Smerdon G  
Recreational divers, drugs, risk factors, medications, fitness to dive, health survey, epidemiology  

Mental health measures in predicting outcomes for the selection and training of navy divers  
van Wijk CH  
Psychology, military diving, training, performance, questionnaire, research  

Changes in oxygenation in mechanically ventilated critically ill patients following hyperbaric treatment  
Bingham G, Millar I, Koch S, Paul E, Varma D, Pilcher D  
Hyperbaric oxygen therapy, ventilators, pulmonary function, physiology, right-to-left shunt, clinical audit  

Transportation of divers with decompression illness on the west coast of Scotland  
Wilson CM, Sayer MDJ  
Decompression illness, decompression sickness, transport, recompression, clinical audit  

Provisional report on diving-related fatalities in Australian waters 2006  
Lippmann J, Walker D, Lawrence C, Fock A, Wodak T, Jamieson S  
Diving deaths, scuba, breath-hold diving, closed-circuit rebreathers, diving accidents, case reports  
2011;41(2):70-84.

Risk factors for running low on gas in recreational divers in Western Australia  
Buzzacott P, Rosenberg M, Heyworth J, Pikora T  
Low air, risk factors, recreational diving, scuba diving, epidemiology, research  

Observation of increased venous gas emboli after wet dives compared to dry dives  
Møllerløkken A, Breskovic T, Palada I, Valic Z, Dujic A, Brubakk AO  
Bubbles, decompression sickness, diving tables, diving research  

Risk factors and clinical outcome in military divers with neurological decompression sickness: influence of time to recompression  
Blatteau J-E, Gempp E, Constantin P, Louge P  
Military diving, decompression sickness, hyperbaric oxygen therapy, recompression, outcome, treatment, sequelae  
2011;41(3):129-34.

Retinal artery occlusion: visual outcome after treatment with hyperbaric oxygen  
Cope A, Eggert JV, O’Brien E  
Retinal artery occlusion, hyperbaric oxygen therapy, outcome, case reports  

The effect of pre-dive exercise timing, intensity and mode on post-decompression venous gas emboli  
Jurd KM, Thacker IC, Seddon FM, Gennser M, Loveman GAM  
Doppler, diving, exercise, bubbles, decompression illness  
Telemedicine in the management of diving accidents: correlation of phone-assessed symptom severity with clinical findings  
Diving accidents, decompression illness, clinical audit, underwater medicine  
2011;41(4):189-94.

Effect of hyperbaric oxygen on bone healing after enucleation of mandibular cysts: a modified case-control study  
Tripathi KK, Moorthy A, Ranjan CK, Rao G, Ghosh PC  
Hyperbaric oxygen therapy, dental, radiological imaging, clinical audit, outcome  

Oxygen toxicity seizures: 20 years’ experience from a single hyperbaric unit  
Banham NDG  
Central nervous system, oxygen, toxicity, seizures, hyperbaric oxygen, hyperbaric oxygen therapy  

The effects of increased pressure, variation in inspired gases and the use of a mask during dry chamber dives on salivary cortisol in professional divers  
Tikkinen J, Hirvonen A, Parkkola K, Siimes MA  
Stress, endocrinology, hyperbaric oxygen, equipment, military diving, occupational diving, hyperbaric research  

SHORT COMMUNICATION

Underwater working times in two groups of traditional apnea divers in Asia: the Ama and the Bajau  
Schagatay E, Lodin-Sundström A, Abrahamsson E  
Breath-hold diving, freediving, spearfishing, performance, indigenous divers, diving research  

Preliminary observations on the effect of hypoxic and hyperbaric stress on pulmonary gas exchange in breath-hold divers  
Garbella E, Piarulli A, Fornai E, Pingitore A, Prediletto R  
Breath-hold diving, physiology, pulmonary function, pulmonary oedema, carbon monoxide, nitric oxide  
2011;41(2):97-100.

TECHNICAL REPORTS

Solid-state electrolyte sensors for rebreathe applications: a preliminary investigation  
Sieber A, Baumann R,lasoulas S, Krozer A  
Rebreathers/closed circuit, oxygen, carbon dioxide, transducer, capnography, helium, trimix  

Maintenance of negative-pressure wound therapy while undergoing hyperbaric oxygen therapy  
Chong SI, Tan MK, Liang W, Kim SJ, Soh CR  
Wounds, hyperbaric oxygen, treatment, equipment, safety  

The influence of a hyperbaric environment and increased oxygen partial pressure on the corrosion of dental alloys  
Mehl C, Heblich F, Lenz R, Ludwig K, Kern M  
Diving, hyperbaric oxygen, nitrox, dental, teeth, hyperbaric research  

Suitability of the partially implantable active middle-ear amplifier Vibrant Soundbridge® to hyperbaric exposure  
Klingmann C, Klingmann A, Skevas T  
Diving, implantable devices, hearing, equipment, pressure, barotrauma, performance  

REVIEW ARTICLES

The need for optimisation of post-dive ultrasound monitoring to properly evaluate the evolution of venous gas emboli  
Blogg SL, Gennser M  
Diving, decompression, bubbles, Doppler, review article  
2011;41(3):139-46.

Predicting performance in competitive apnea diving. Part III: depth  
Schagatay E  
Breath-hold diving, hypoxia, exercise, cardiovascular, respiratory, physiology, safety, review article  

THE WORLD AS IT IS

British Sub-Aqua Club (BSAC) diving incidents report 2009  
Compiled by Brian Cumming, Diving Incidents Advisor  
Wilson CM  
Recreational diving, accidents, diving deaths, abstracts  

British Sub-Aqua Club (BSAC) diving incidents report 2010  
Compiled by Brian Cumming, Diving Incidents Advisor  
Wilson CM  
Recreational diving, accidents, diving deaths, abstracts  

THE DIVING DOCTOR’S DIARY

Cerebral arterial gas embolism with delayed treatment and a fatal outcome in a 14-year-old diver  
Lippmann J, Fock A, Arulanandam S  
Case reports, cerebral arterial gas embolism, deaths, children, recreational diving, fitness to dive, medical conditions and problems  

Commentary on the problems of diving in remote areas and underdeveloped countries
Hawkins G
Diving accidents, legal and insurance, communication, DES – Diver Emergency Service, medicals – diving, tourism

ECHM WORKSHOP REPORT

Controversial issues in hyperbaric oxygen therapy: a European Committee for Hyperbaric Medicine Workshop
Kot J, Mathieu D
Hyperbaric oxygen therapy, bone necrosis, hypoxia, brain injury, autism, medical conditions and problems, clinical audit

LETTERS TO THE EDITOR

The death of buddy diving?
Cooper PD
Medicals – diving, buddies, diving deaths, legal, manslaughter

Women and pressure
Fife C, St Leger Dowse M
Women, diving, scuba diving, health, physiology, pregnancy, risk factors, letters (to the Editor)
Reply: Watterson J

The death of buddy diving?
Walpole B
Diving deaths, legal and insurance, letters (to the Editor)

Malignant otitis externa: experience with hyperbaric oxygen therapy
Ignatescu M.
2011;41(3):162.
Reply: Bennett M, Saxby A, James J
Hyperbaric oxygen therapy, malignant otitis externa, ENT, clinical audit, outcome, letters (to the Editor)

Advertising guidelines for Diving and Hyperbaric Medicine
Germonpré P, Bennett M
Policy, medical society, diving industry, hyperbaric medicine, letters (to the Editor)
2011;41(3):164.

Lithium batteries – intravenous infusion pumps used in hyperbaric facilities
Smart D, Van der Broek C
Equipment, hyperbaric facilities, safety, letters to the Editor
2011;41(3):165.

The death of buddy diving?
Cooper PD
Medicals – diving, buddies, diving deaths, legal and insurance, letters (to the Editor)

FROM THE RECENT LITERATURE

Decompression illness
Vann RD, Butler FK, Mitchell SJ, Moon RE
Decompression sickness, decompression illness, arterial gas embolism, cerebral arterial gas embolism (CAGE), recompression, treatment, review article, reprinted from

Passive flooding of paranasal sinuses and middle ears as a method of equalisation in extreme breath-hold diving
Germonpré P, Balestra C, Musimu P
Breath-hold diving, ENT, ear barotrauma, abstracts, reprinted from

Comparison of two modes of delivery of first aid training including basic life support
Lippmann J, Livingston P, Craike MJ
First aid, resuscitation, training, World Wide Web

Interesting articles from the literature

BOOK AND JOURNAL REVIEWS

Masterminding wounds
(Strauss MB, editor, Miller SS, Aksenov IV, co-authors)
Germonpré P
Wounds, chronic wounds, textbook, book reviews

Dangerous marine animals: Mediterranean, Caribbean, Indo-Pacific
(Bergbauer M, Myers RF, Kirschner M, editors)
Meehan C
Marine animals, injuries, envenomation, toxins, first aid, general interest, book reviews

Diving pioneers and innovators, a series of in depth interviews
(Gilliam B, editor)
Goble S
Diving, general interest, book reviews
2011;41(1):43.

Hyperbaric nursing and wound care
(Larson-Lohr V, editor, Norvell H, Josefsen L, Wilcox J, co-editors)
Denny Y
Nursing, hyperbaric oxygen therapy, wounds, book reviews
2011;41(3):159.

Decompression illness, a simple guide and practical advice on the recognition, management and prevention of DCI
(Lippmann J, editor)
Edward R, Davis S
Decompression illness, recreation diving, first aid, hyperbaric facilities, general interest, book reviews

Wound care, certification study guide
(Shah J editor)
Denny Y
Nursing, wounds, book reviews

CONTINUING PROFESSIONAL DEVELOPMENT

CME activity 2011/1 Diver drug use and mental health
Fabricus C
MOPS (maintenance of professional standards), diving, drugs, medications, mental health

CME Activity 2011/2 Acute carbon monoxide poisoning
Mathieu D
MOPS (maintenance of professional standards), carbon monoxide, toxicity, hyperbaric oxygen therapy

CME Activity 2011/4 Fluid balance in diving and diving-related injury
Ross JAS
MOPS (maintenance of professional standards), decompression sickness, cerebral arterial gas embolism, endothelium, circulation, coagulation, resuscitation

CRITICAL APPRAISAL

Hyperbaric oxygen therapy improved both pain scores and range of motion in patients with early idiopathic femoral head necrosis (Ficat stage II)
Bennett M
Hyperbaric oxygen, bone necrosis, outcome, critical appraisal
2011;41(2):105.

Does hyperbaric oxygen administration decrease side effects and improve quality of life after pelvic irradiation?
Smart D
Hyperbaric oxygen, cancer, radiotherapy, side effects, soft-tissue radionecrosis, outcome, critical appraisal

SPUMS NOTICES and NEWS

South Pacific Underwater Medicine Society Diploma of Diving and Hyperbaric Medicine
Requirements for candidates (updated October 2008)
Qualifications, underwater medicine, hyperbaric oxygen, research, medical society

Minutes of the Annual General Meeting of the Australian and New Zealand Hyperbaric Medicine Group, 09 September 2010, Crowne Plaza Hotel, Darwin

ANZCA Certificate in Diving and Hyperbaric Medicine

SPUMS website news
Hawkins G
World Wide Web, medical society

Minutes of the SPUMS Executive Committee Meeting 06 November 2010 at Prince of Wales Hospital, Sydney

Minutes of the Annual General Meeting of SPUMS held at The Hilton Hotel, Guam, on Thursday 27 May 2011

Rear Admiral Robyn Walker AM, RAN, MBBS, Dip DHM

Advertising in Diving and Hyperbaric Medicine
2011;41(4):249.

EUBS NOTICES and NEWS

EUBS Executive Committee (as of September 2010)

Minutes of the Executive Committee (ExCom) of EUBS Meeting, Gdansk Medical University, Gdansk, 26 August 2011

Minutes of the EUBS General Assembly Gdansk, 28 August 2011
2011;41(4):244-5.

THE POETRY DOCTOR

Amazing air
Parker J

Hyperbaric stress
Parker J

OBITUARY

Professor Christian J Lambertsen
Obituary, general interest, rebreathers/semi-closed circuit

William Brook Filer
2011;41(3):165.

R W ‘Billy Bob’ Hamilton
2011;41(4):239.

INSTRUCTIONS TO AUTHORS

Short version (updated November 2010)

Short version (updated December 2011)
Diving and Hyperbaric Medicine is indexed on MEDLINE, SciSearch® and Embase/Scopus

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