

Diving and Hyperbaric Medicine

*The Journal of the South Pacific Underwater Medicine Society (Incorporated in Victoria) A0020660B
and the European Underwater and Baromedical Society*

ISSN 1833-3516



ABN 29 299 823 713

Index for Volume 40, 2010

March 2011

KEY WORDS FOR DIVING AND HYPERBARIC MEDICINE

- Abalone
 Abstracts
 Accidents
 Adolescents
 Aerobic capacity
 Age
 Air
 Air embolism
 Allergy
 Altitude
 Anaerobic
 Anaesthesia
 Antarctica
 Antioxidants
 Arterial gas embolism
 Ascent
 Asthma
 Autobiography
 Autopsy
 Aviation
 Bacteriology
 Barometric pressure
 Barotrauma
 Bell diving
 Beta blockade
 Bibliography
 Biochemistry
 Biology
 Bone necrosis
 Blood pressure
 Blood substitutes
 Blood sugar level
 Book reviews
 Brain injury
 Breath-hold diving
 Bronchial provocation testing
 Bubbles
 Buccal pumping
 Buddies
 Buoyancy
 Caissons
 Calciphylaxis
 Cancer
 Capnography
 Carbon dioxide
 Carbon monoxide
 Cardiovascular
 Case reports
 Cave diving
 Cerebral arterial gas embolism (CAGE)
 Cerebral blood flow
 Chest injury
 Children
 Chronic wounds
 Circulation
 Clinical audit
 Clinical toxicology
 Closing volume
 Coagulation
 Cochrane Library
 Cold
 Communication
 Compressors
 Computers
 Computers – diving
 Constitutional amendments
 Copyright
 Coroner's findings
 Corrections
 Critical appraisal
 DAN – Divers Alert Network
 Data
 Deaths
 Decompression
 Decompression illness
 Decompression sickness
 Decompression tables
 Deep diving
 Dental
 DES – Diver Emergency Service
 Diabetes
 DIMS
 Disabilities
 Disability
 Disabled diver
 Diver numbers
 Diving
 Diving accidents
 Diving at work
 Diving deaths
 Diving industry
 Diving organisations
 Diving reflex
 Diving research
 Diving safety memos
 Diving scholars
 Diving tables
 Diving theory (see Physiology)
 Doppler
 Drowning
 Drugs
 Drysuit
 Dysbaric osteonecrosis
 Ear barotrauma
 Ear infection
 Echocardiography
 Ecology
 Economics
 Editorials
 Education
 Emergency ascent
 Endocrinology
 Endothelium
 Enriched air – nitrox
 ENT
 Envenomation
 Environment
 Environmental symptoms questionnaire
 Enzymes
 Eosinophilia
 Epidemiology
 Epilepsy
 Equipment
 Ergonomics
 Ethics
 Evidence
 Exercise
 Exogenous poison
 Expert witness
 Extraglottic airway devices
 Eyes
 Fire or explosion
 First aid
 Fitness to dive
 Flowchart
 Flying (and diving)
 Freediving
 Gas gangrene
 Gases
 Gas-induced osmosis
 Gas solubility
 Gender
 General interest
 Genetics
 Genitourinary tract
 Gleanings (from medical journals)
 Haematology
 Health
 Health status
 Health surveillance
 Health surveys
 Hearing
 Helium
 Helium pharmacokinetics
 High pressure nervous syndrome
 Hip arthroplasty
 History
 Human skin equivalent
 Hyperbaric facilities
 Hyperbaric medicine
 Hyperbaric oxygen
 Hyperbaric oxygen therapy
 Hyperbaric oxygenation
 Hyperbaric research
 Hypercapnia
 Hyperoxia
 Hyperthermia (see Thermal problems)
 Hyperventilation
 Hypothermia (see Thermal problems)
 Hypoxia
 Ice
 Immersion
 Immunology
 Immunosuppression
 Incidents
 Infectious diseases
 Inflammation
 Injuries
 Inner ear
 Inner ear barotrauma
 Inner ear decompression illness
 Inner ear decompression sickness
 Instruction – diving
 Insurance (see Legal and insurance)
 Investigations
 Irradiation
 Isotope
 Jellyfish
 Labyrinth

- Land animals
 Legal and insurance
 Letters (to the Editor)
 Lidocaine
 Lignocaine
 Lipids
 Logistics
 Low air
 Lung compliance
 Lung function
 Malaria
 Malignancy
 Malignant otitis externa
 Marine animals
 Medical conditions and problems
 Medical database
 Medical kits
 Medicals – diving
 Medical society
 Medications
 Meetings
 Membership lists
 Menstrual cycle
 Metabolism
 Microparticles
 Mild hyperbaric therapy
 Military diving
 Mixed gas
 Models
 MOPS (maintenance of professional standards)
 Morbidity
 Motion sickness
 Multi-level diving
 Multiple sclerosis
 Musculo-skeletal
 Narcosis
 Nasal decongestants
 Near drowning
 Necrotising infections
 Neon
 Neuroprotection
 Nitric oxide
 Nitrogen
 Nitrogen narcosis
 Nitrogen pharmacokinetics
 Noise
 Non-steroidal anti-inflammatories
 Notice
 Numbers
 Nursing
 Obesity
 Obituary
 Occupational diving
 Occupational health
 Operations – diving
 Optometry
 Osteoarthritis
 Osteoradionecrosis
 Outcome
 Oxygen
 Oxygen consumption
 PADI
 Pain
 Panic
 Parasite
 Patent foramen ovale (PFO)
 Pathology
 Patient monitoring
 Pearl divers
 Performance
 Perfluorocarbons
 Permeability
 Personality
 Pharmacology
 Pharmacology – marine
 Physiology
 Platelets
 Policy
 Postural control
 Pregnancy
 Pressure
 Profile
 Prolonged QT syndrome
 Prosopagnosia or visual agnosia
 Proteins
 Psychology
 Pulmonary barotrauma
 Pulmonary function
 Pulmonary oedema
 Pulmonary oxygen toxicity
 Qualifications
 Questionnaire
 Radiological imaging
 Radiotherapy
 Rebreathers/closed circuit
 Rebreathers/semi-closed circuit
 Rebreathing
 Recall
 Recompression
 Records
 Recreational divers
 Recreational diving
 Regression analysis
 Repetitive diving
 Reprinted from
 Rescue
 Research
 Resort diving (see Tourism)
 Respiration
 Resuscitation
 Reverse dive profiles
 Review article
 Right-to-left shunt
 Risk
 Risk assessment
 Risk factors
 Risk management
 Safety
 Salt water aspiration
 Salvage
 Saturation diving
 Scientific diving
 Scuba
 Scuba accidents
 Scuba diving
 Scubadoo
 Severity
 Sharpened Romberg test
 Shivering
 Side effects
 Simulation
 Smoking
 Snorkelling
 Soft tissue radionecrosis
 Solo diving
 Spearfishing
 Standards
 Statistics
 Stress (see Trauma and stress)
 Submarine
 Surface decompression
 Surface supply breathing apparatus (SSBA)
 Surfactant
 Surveillance
 Survey
 Symposium
 Technical diving
 Teeth
 Telemetry
 Textbook
 Theory-based advice
 Thermal problems (hypothermia and hyperthermia)
 Tourism
 Toxicity
 Toxins
 Training
 Transcutaneous oximetry
 Transducer
 Transport
 Transpulmonary pressure
 Trauma and stress
 Travel medicine
 Traveller's diarrhoea
 Treatment
 Treatment sequelae
 Trimix
 Tunnelling
 Unconscious
 Underwater diving
 Underwater hazards
 Underwater medicine
 Unit pulmonary toxic dose
 Vaccination
 Vasoconstriction
 Ventilators
 Vertigo
 Video and DVD reviews
 Vision
 Visual analogue scale
 Vital capacity
 Vitamins
 Water
 Women
 Working in compressed air
 World Wide Web
 Wounds
 Wreck diving
 Writing – medical
 Xenon

EDITORIALS

The Editor's offering

- Davis M
2010;40(1):1.
2010;40(2):61.
2010;40(3):113.
2010;40(4):181-2.

The President's pages

- Bennett M
2010;40(1):3.
Germonpré P
2010;40(1):2.
2010;40(2):62.
2010;40(4):183.

INVITED EDITORIALS

- Heiden C
HBOT for malignant otitis externa
2010;40(4):182.

ORIGINAL ARTICLES

Hyperbaric oxygen therapy for acute noise-induced hearing loss: evaluation of different treatment regimens

- Lafère P, Vanhoutte D, Germonpré P
Hearing, injury, hyperbaric oxygen therapy, outcome, research
2010;40(2):63-7.

Evaluation of critical flicker fusion frequency and perceived fatigue in divers after air and enriched air nitrox diving

- Lafère P, Balestra C, Hemelryck W, Donda N, Sakr A, Taher A, Marroni S, Germonpré P
Scuba diving, air, enriched air – nitrox, nitrogen narcosis, inert gas narcosis, performance, visual analog scale
2010;40(3):114-8.

Medical assessment of fitness to dive – comparing a questionnaire and a medical interview-based approach

- Meehan CA, Bennett MH
Fitness to dive, recreational diving, questionnaire, medicals – diving
2010;40(3):119-24.

Referral patterns and outcomes of dive medical examinations in a tertiary hyperbaric facility

- Ong LM, Bennett MH, Thomas PS
Fitness to dive, medicals – diving, medical conditions, and problems, cardiovascular, respiratory, asthma
2010;40(3):125-30.

Provisional report on diving-related fatalities in Australian waters 2005

- Walker D, Lippmann J, Lawrence CL, Fock A, Wodak T, Jamieson S
Diving deaths, scuba, breath-hold diving, surface-supply breathing apparatus (SSBA), diving accidents, case reports
2010;40(3):131-49.

Acute antioxidant pre-treatment attenuates endothelial microparticle release after decompression

Christmas BCR, Midgley AW, Taylor L, Vince RV, Laden G, Madden LA

Decompression, endothelium, antioxidants, treatment, diving research
2010;40(4):184-8.

'Sea legs': sharpened Romberg test after three days on a live-aboard dive boat

- Gibbs CR, Commons KH, Brown LH, Blake DF
Ear barotraumas, decompression illness, decompression sickness, sharpened Romberg test, motion sickness, postural control
2010;40(4):189-94.

Malignant otitis externa: experience with hyperbaric oxygen therapy

- Saxby A, Barakate M, Kertesz T, James J, Bennett M
Hyperbaric oxygen therapy, malignant otitis externa, ENT, clinical audit, outcome
2010;40(4):195-200.

Exceeding the limits – estimated tissue pressures among Western Australian recreational divers

- Buzzacott P, Pikora T, Heyworth J, Rosenberg M
Scuba diving, recreational diving, decompression, models, diving tables, research
2010;40(4):201-5.

Analyser position for end-tidal carbon dioxide monitoring in a rebreather circuit

- Ineson A, Henderson K, Teubner D, Mitchell S
Carbon dioxide, hypercapnia, rebreathers/semi-closed circuit, rebreathers/closed circuit, physiology simulation
2010;40(4):206-9.

S100B and its relation to intravascular bubbles following decompression

- Havnæs MB, Hjelde A, Brubakk AO, Møllerløgken A
Biomarkers, decompression sickness, bubbles, Doppler, diving research
2010;40(4):210-12.

SHORT COMMUNICATIONS

Variations in exhaled nitric oxide concentration after three types of dive

- Van Ooij P-J, Houtkooper A, van Hulst R
Diving, hyperbaric, hyperoxia, expired nitric oxide, F_ENO
2010;40(1):4-7.

A subjective evaluation of a drinking system for saturation divers

- Hope A, Brekken R
Saturation diving, fluid balance, thermal problems (hypothermia and hyperthermia)
2010;40(1):8-10.

TECHNICAL ARTICLES

A novel wearable apnea dive computer for continuous plethysmographic monitoring of oxygen saturation and heart rate

- Kuch B, Koss B, Dujic Z, Buttazzo G, Sieber A
Diving, breath-hold diving, transcutaneous oximetry,

hypoxia, diving research, physiology
2010;40(1):34-40.

REVIEW ARTICLES

Predicting performance in competitive apnea diving. Part II: dynamic apnea

Schagatay E
Breath-hold diving, hypoxia, exercise, cardiovascular, respiratory, physiology, safety, review article
2010;40(1):11-22.

Basic mechanisms of gas transport and past research using perfluorocarbons

Spieß BD
Perfluorocarbons, gas solubility, oxygen, nitrogen, carbon dioxide, nitric oxide, solubility, review article
2010;40(1):23-8.

The potential role of perfluorocarbon emulsions in decompression illness

Spieß BD
Perfluorocarbons, decompression sickness, decompression illness, air embolism, treatment, research, review article
2010;40(1):28-33.

The two faces of Eve: gaseous anesthesia and inert gas narcosis

Smith CR, Spiess BD
Anaesthesia, nitrogen narcosis, inert gas narcosis, xenon, pharmacology, physiology, review article
2010;40(2):68-77.

CASE REPORTS

Severe hydrogen sulphide poisoning treated with 4-dimethylaminophenol and hyperbaric oxygen

Lindenmann J, Matzi V, Neuboek N, Ratzenhofer-Komenda B, Maier A, Smolle-Juettner FM
Hyperbaric oxygenation, hyperbaric oxygen therapy, clinical toxicology, exogenous poison, resuscitation, outcome
2010;40(4):213-7.

Hyperbaric oxygen in the treatment of asphyxia in two newborn infants

Orozco-Gutierrez A, Rojas-Cerda L, Estrada RM, Gil-Rosales C
Hyperbaric oxygen, hyperbaric oxygen therapy, neuroprotection, brain injury, children, case reports
2010;40(4):218-20.

THE SPUMS RECREATIONAL DIVING MEDICAL

Bennett M
Medicals – diving, medical society, editorials
2010;40(3):150-5.

THE WORLD AS IT IS

Future synergism in diving accident management: the Singapore model

Jack C S, Weihao L, Joang K S, Lee K W

Hyperbaric facilities, diving accidents, hyperbaric oxygen therapy, treatment, research, general interest
2010;40(1):41-3.

ANZHM statement on the administration of mild hyperbaric oxygen therapy

Smart D, Bennett M
Mild hyperbaric therapy, hyperbaric oxygen therapy, hyperbaric facilities, medical conditions and problems, evidence, medical society, policy
2010;40(2):78-82.

Health risk management in the Tasmanian abalone diving industry

Smart D
Occupational diving, occupational health, risk management, health, diving industry, abalone
2010;40(2):83-7.

COMMENTARY

The performance of dive computers at altitude

Sayer M
Decompression, computers – diving, altitude, safety, risk, assessment
2010;40(1):47.

OPINION

A personal overview of accidents and risk management in the recreational diving industry

Gilliam B
Accidents, diving accidents, recreational diving, medical conditions and problems, risk management, legal and insurance
2010;40(3):156-9.

Australian standards for occupational and recreational divers. Change in the wind?

Smart D, Meehan C
Standards, occupational diving, recreational diving, medicals – diving, medical society
2010;40(3):160-1.

HISTORICAL ARTICLES

The Duke University 2132 foot dive, 1980

Miller J N
[No keywords]
2010;40(2):88-91.

LETTERS TO THE EDITOR

Continuing Professional Development Programme (ANZCA)

Lehm J
Letters (to the Editor), meetings, MOPS (maintenance of professional standards)
2010;40(2):96.

Freedownload, *Diving Medicine for Scuba Divers*

Edmonds C
Scuba diving, underwater medicine, textbook, general interest, book reviews
2010;40(3):163.

BOOK AND JOURNAL REVIEWS

Proceedings of the Fifteenth International Congress on Hyperbaric Medicine

(Desola J, editor)

Millar I

Hyperbaric oxygen, underwater medicine, medical society, meetings, book reviews

2010;40(1):45.

Another Whitstable trade, An illustrated history of helmet diving

(Beven J, editor)

Goble S

History, diving industry, diving at work, military diving, equipment, salvage, book reviews

2010;40(1):46.

The future of diving: 100 years of Haldane and beyond, A Smithsonian contribution to knowledge

(Laing MA, Brubakk AO, editors)

Marroni A

Diving, decompression, decompression illness, decompression sickness, diving tables, diving theory (see Physiology), history, book reviews

2010;40(2):97.

Diving medicine for scuba divers, 3rd edition

(Edmonds C, McKenzie B, Thomas R, Pennefather J, editors)

Harper W, Carson T

Scuba diving, physiology, underwater medicine, general interest, book reviews

2010;40(2):98-9.

Women and pressure: diving and altitude

(Fife CE, St Leger Dowse M, editors)

Watterson J, Standen M

Women, diving, scuba diving, health, physiology, pregnancy, risk factors, book reviews

2010;40(3):164-5.

John Lethbridge: The most successful treasure diver of the eighteenth century

(Fardell J, editor)

Harper W

Diving, history, general interest, book reviews

2010;40(3):165.

ARTICLES OF INTEREST REPRINTED FROM OTHER SOURCES

Utility of regular medical examinations of occupational divers [Abstract]

Sames C, Gorman D, Mitchell S J, Gamble G

Occupational diving, diving at work, health surveillance, occupational health, fitness to dive, abstracts, reprinted from

2010;40(1):48.

An experimental study of the use of hyperbaric oxygen to reduce the side effects of radiation treatment for malignant disease

Williamson RA

Hyperbaric oxygen, hyperbaric research, radiation, side

effects, reprinted from

2010;40(2):94.

Early hyperbaric oxygen therapy for reducing radiotherapy side effects: Early results of a randomized trial in oropharyngeal and nasopharyngeal cancer

Teguh DN, Levendag PC, Noever I, Voet P, van Der Est H, van Rooij P et al

Hyperbaric oxygen, radiotherapy, malignancy, head & neck, side effects, reprinted from

2010;40(2):94-5.

Does hyperbaric oxygen therapy reduce radiotherapy side effects and improve quality of life in oral and oropharyngeal cancer

Snape L

Hyperbaric oxygen, radiotherapy, malignancy, head & neck, side effects

2010;40(2):95.

Review of diver noise exposure

Anthony TG, Wright NA, Evans MA

Occupational diving, occupation health, hearing injuries, environment, reprinted from

2010;40(2):96.

CONTINUING PROFESSIONAL DEVELOPMENT

2010/1 Dysbaric osteonecrosis (DON), decompression illness and the diver

Bennett M

MOPS (maintenance of professional standards), diving, scuba, dysbaric osteonecrosis, decompression

sickness, decompression illness

2010;40(1):44.

CME activity 2010/2 Inert gas narcosis and gaseous anaesthesia

Bennett M

MOPS (maintenance of professional standards), inert as narcosis, nitrogen narcosis, anaesthesia

2010;40(2):92-3.

CME activity 2010/3, fitness to dive

Bennett M

MOPS (maintenance of professional standards), medicals – diving, medical conditions and problems, fitness to dive

2010;40(3):163.

CME activity 2010/4, HBOT and malignant otitis externa

Bennett M

MOPS (maintenance of professional standards), malignant otitis externa

2010;40(4):221-2.

CRITICAL APPRAISAL

HBOT did not improve exercise performance immediately following hyperbaric oxygen exposure

Source <www.hboevidence.com>

Hyperbaric oxygen, exercise, performance, research, critical appraisal

2010;40(2):93.

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
2010;40(1):49.

ANZHMG Chairman's report March 2010

Medical society, wounds, hyperbaric oxygen therapy, general interest
2010;40(1):50.

Standards Australia report 15 January 2010

Fitness to dive, medicals – diving, recreational diving, standards
2010;40(1):51.

Australian and New Zealand College of Anaesthetist, Certificate in Diving and Hyperbaric Medicine

2010;40(1):52.

ANZCA Certificate in Diving and Hyperbaric Medicine, Examination results

2010;40(1):52.

Minutes of the SPUMS Executive Committee Meeting 21 November 2009 at Prince of Wales Hospital Hyperbaric Unit, Randwick

2010;40(2):104-5.

Minutes of the Annual General Meeting of SPUMS held at Berjaya Resort, Redang Island, on Thursday 27 May 2010

Medical society, meetings

2010;40(3):169-72.

Addendum to the minutes of the 2010 SPUMS ASM: Treasurer's report and audit for 2009 calendar year – a forensic report

Medical society, meetings, letters (to the Editor)

2010;40(3):173.

Minutes of the SPUMS Executive Committee Meeting, 23 May 2010 at Berjaya Resort, Redang Island, Malaysia

2010;40(4):230-1.

International Congress on Hyperbaric Medicine

2010;40(4):234.

EUBS NOTICES and NEWS

EUBS Executive Committee (as of September 2009)

2010;40(1):54.

EUBS Executive Committee (as of September 2010)

2010;40(4):223.

EUBS website news

2010;40(1):55.

Election of Member-at-Large: candidates sought

2010;40(1):55.

Towards a European diploma in diving and hyperbaric medicine

Marroni A

Diving medicine, hyperbaric medicine, qualifications, training, general interest

2010;40(1):55.

EUBS Annual Scientific Meeting 2010

2010;40(1):56.

EUBS 37th Annual Scientific Meeting 2011

2010;40(4):224.

Nominations for election as EUBS Executive Committee Member-at-Large 2010

2010;40(2):102.

Minutes of EUBS Executive Committee Meeting, 17 September 2010, Point Hotel, Istanbul

2010;40(4):224-6.

Minutes of EUBS General Assembly 2010 Istanbul, 18 September 2010

2010;40(4):227-8

THE POETRY DOCTOR

Conference time

Parker J

2010;40(2):99.

Breathe easy

Parker J

2010;40(4):222.

INSTRUCTIONS TO AUTHORS

Full version (revised May 2010)

2010;40(2):110.

Short version (revised November 2010)

2010;40(4):236.

ERRATA

Hyperbaric medicine practice, 3rd edition

Kindwall EP, Whelan HT, editors

Diving medicine, physiology, diving, textbook, book reviews

2010;40(2):107.

**Diving and Hyperbaric Medicine is indexed on MEDLINE,
SCIE (Sci Search™) and EMBASE/SCOPUS**