KEY WORDS FOR DIVING AND HYPERBARIC MEDICINE

Abalone
Abstracts
Accidents
Adolescents
Aerobic capacity
Age
Air
Air embolism
Allergy
Altitude
Anaesthesia
Antarctica
Arterial gas embolism
Ascent
Asthma
Autobiography
Autopsy
Aviation
Barotrauma
Bell diving
Beta blockade
Biology
Blood substitutes
Blood sugar level
Book reviews
Brain injury
Breath-hold diving
Bronchial provocation testing
Bubbles
Buccal pumping
Buddies
Buoyancy
Capnography
Carbon dioxide
Carbon monoxide
Cardiovascular
Case reports
Cave diving
Cerebral arterial gas embolism (CAGE)
Cerebral blood flow
Chest injury
Children
Chronic wounds
Clinical toxicology
Closing volume
Coagulation
Cochrane library
Cold
Communication
Computers
Computers – diving
Constitutional amendments
Copyright
Coroner’s findings
Corrections
Critical appraisal
DAN – Divers Alert Network
Data
Deaths
Decompression
Decompression illness
Decompression sickness
Deep diving
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 research
Diving safety memos
Diving scholars
Diving tables
Diving theory (see Physiology)
Doppler
Drowning
Drugs
Dysbaric osteonecrosis
Ear barotrauma
Ear infection
Echocardiography
Ecology
Economics
Editorials
Emergency ascent
Endothelium
Enriched air – nitrox
ENT
Envenomation
Environment
Environmental Symptoms Questionnaire
Eosinophilia
Epidemiology
Epilepsy
Equipment
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
Gas-induced osmosis
General interest
Gleanings (from medical journals)
Haematology
Health
Health status
Health surveillance
Health surveys
Hearing
Helium pharmacokinetics
Hip arthroplasty
History
Human skin equivalent
Hyperbaric facilities
Hyperbaric oxygen
Hyperbaric oxygen therapy
Hyperbaric oxygenation
Hyperbaric research
Hypercapnia
Hyperthermia (see Thermal problems)
Hyperventilation
Hypothermia (see Thermal problems)
Hypoxia
Ice
Immersion
Immunosuppression
Incidents
Infectious diseases
Injuries
Inner ear
Inner ear barotrauma
Inner ear decompression illness
Inner ear decompression sickness
Instruction – diving
Insurance (see Legal and insurance)
Investigations
Irradiation
Jellyfish
Labyrinth
Land animals
Legal and insurance
Letters (to the Editor)
Lidocaine
Lignocaine
Logistics
Low air
Lung compliance
Malaria
Malignancy
Marine animals
Medical conditions and problems
Medical database
Medical kits
Medicals – diving
Medical society
Medications
Meetings
Membership lists
Menstrual cycle
Microparticles
Military diving
Mixed gas
Models
MOPS (maintenance of professional standards)
Morbidity
Motion sickness
Multi-level diving
Multiple sclerosis
Musculo-skeletal
Nasal decongestants
Near drowning
Necrotising infections
Neuroprotection
Nitric
Nitrogen
Nitrogen narcosis
Nitrogen pharmacokinetics
Nitrox (see Enriched air – nitrox)
Non-steroidal anti-inflammatories
Notice
Numbers
Nursing
Obesity
Obituary
Occupational diving
Occupational health
Operations – diving
Osteoarthritis
Osteoradionecrosis
Outcome
Oxygen
Oxygen consumption
PADI
Pain
Panic
Patent foramen ovale (PFO)
Patient monitoring
Pearl divers
Performance
Personality
Pharmacology – marine
Physiology (and diving theory)
Platelets
Policy
Postural control
Pregnancy
Profile
Prolonged QT syndrome
Prosopagnosia or visual agnosia
Psychology
Pulmonary barotrauma
Pulmonary function
Pulmonary oedema
Pulmonary oxygen toxicity
Qualifications
Questionnaire
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)
Respiratory
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
Shivering
Simulation
Smoking
Snorkelling
Soft tissue radionecrosis
Solo diving
Spearfishing
Standards
Stress (see Trauma and stress)
Submarine
Surface decompression
Surface supply breathing apparatus (SSBA)
Surfactant
Surveillance
Survey
Technical diving
Teeth
Textbook
Theory-based advice
Thermal problems (hypothermia and hyperthermia)
Tourism
Toxicity
Toxins
Training
Transcutaneous oximetry
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
Vital capacity
Women
Working in compressed air
World Wide Web
Wounds
Wreck diving
Writing – medical

EDITORIALS
The Editor’s offering
Davis M
Editorial

ORIGINAL ARTICLES
A descriptive epidemiological analysis of isolated inner ear decompression illness in recreational divers in Hawaii
Smerz RW
Decompression illness, decompression sickness, inner ear decompression illness, inner ear decompression sickness, treatment, epidemiology
Sensation-seeking personality traits of navy divers
Van Wijk CH
Psychology, personality, occupational diving, survey
Potential missed cerebral arterial gas embolism in patients with in-hospital ischaemic stroke
Khazei A, Harrison D, Abu-Laban RB, Mitra A
Cerebral arterial gas embolism (CAGE), air embolism, brain injury, hyperbaric oxygen therapy

Does hostility facilitate success in military diving?
Van Wijk CH
Psychology, personality, military diving, occupational diving, survey

Diving-related deaths in New Zealand 2000–2006
McClelland A
Diving deaths, deaths, drowning, scuba diving, breath-hold diving, diving accidents, case reports

Diving expedition medicine – the Coral Cay Conservation experience
Richardson KE
Travel medicine, health surveillance, medical conditions and problems, epidemiology, medical kits, operations – diving

Ventilator performance under hyperbaric conditions: a study of the Servo 900C ventilator
Bingham G, Koch B, Lee G, Millar I
Ventilators, equipment, hyperbaric oxygen, hyperbaric research

REVIEW ARTICLES

The use of extraglottic airway devices in diving medicine – a review of the literature. Part 2: Airway management in a diving bell and deck decompression chamber
Acott CJ
Extraglottic airway devices, resuscitation, first aid, bell diving, disabled diver, medical kits, review article

In vitro models for evaluation of hyperbaric oxygen therapy in wound healing: a review
Human skin equivalent, models, hyperbaric oxygen, chronic wounds, research, review article

Use of ultrasound in decompression research
Pollock NW
Diving, bubbles, Doppler, echocardiography, equipment, decompression sickness, review article

Aerobic fitness and underwater diving
Pollock NW
Aerobic capacity, exercise, oxygen consumption, fitness to dive, scuba, review article

Deep decompression stops
Fock A
Decompression, deep diving, technical diving, models, trimix, review article

Scientific diving in Antarctica: history and current practice
Pollock NW
Antarctica, diving, scientific diving, hypothermia (see thermal problems), equipment, logistics, safety, review article

CASE REPORT

Transient prosopagnosia resulting from a cerebral gas embolism while diving
Wilson CM, Sayer MDJ, Murchison AG
Cerebral arterial gas embolism (CAGE), arterial gas embolism, decompression illness, prosopagnosia or visual agnosia, treatment, case reports
2007; 37 (3): 139-42.

SHORT COMMUNICATION

Effects of a single hyperbaric oxygen exposure on haematocrit, prothrombin time, serum calcium, and platelet count
Hibbs HW, Harasym MP, Bansal D, Stewart J
Hyperbaric oxygenation, oxygen, platelets, coagulation, haematology, research

SPUMS ANNUAL SCIENTIFIC MEETING 2007

Treatment of decompression illness in the 21st century: a brief overview
Mitchell SJ
Decompression illness, decompression sickness, arterial gas embolism, recompression, non-steroidal anti-inflammatory drugs, lignocaine, blood substitutes, review article

The need for a 90-metres' sea water depth capability for science diving [Abstract, Findings and Recommendations]
Lang MA
Scientific diving, deep diving, meetings, abstract

Under-ice research: results of the International Polar Diving Workshop [Abstract]
Lang MA
Antarctica, ice, operations – diving, logistics, safety, diving research, abstract

Decompression safety in recreational diving professionals using self-reported diving exposure and health status: a work-in-progress report [Abstract]
Van der Hulst G
Health surveillance, occupational diving, recreational diving, abstract

Hawaiian Deep Tables: historical development and usage over 20 years [Abstract]
Smerz R
Decompression sickness, decompression illness, scuba accidents, treatment, hyperbaric oxygen therapy, abstract
2007; 37 (2): 78.

Hyperbaric oxygen therapy in cyclophosphamide-induced acute haemorrhagic cystitis: report of six cases
OPINION

Diving medicine: from art to pseudo-science
Edmonds C
General interest, diving scholars, underwater medicine, meetings, medical society

Diving medical courses: a primer
Edmonds C
Underwater medicine, training, general interest
2007; 37 (3): 146-150.

THE DIVING DOCTOR’S DIARY

Hyperbaric oxygenation in the patient with malignancy: friend or foe?
Macdonald HM
Hyperbaric oxygen, malignancy, outcome, review

THE WORLD AS IT IS

British Sub-Aqua Club (BSAC) diving incidents report
2006
Summary by Wilson C
Recreational diving, accidents, diving deaths, abstracts

ANZHMG Accepted Indications for Hyperbaric Oxygen Therapy

SPUMS NOTICES

Minutes of the SPUMS Executive Committee Meeting held on 4 June 2006 at the Pearl South Pacific Hotel, Fiji

Further report on Australian and New Zealand Standards Occupational Diving Committee held on Monday 29 May 2006 at Standards Australia House, Sydney

The SPUMS website
2007; 37 (1): 34.

Approved extracts of minutes of the SPUMS Executive Committee Meeting, held on 19 April 2007 at Oceans Resort, Tutukaka, New Zealand

Approved extracts of minutes of the SPUMS Executive Committee Meeting, held on 19 April 2007 at Oceans Resort, Tutukaka, New Zealand

Dates and venues of the SPUMS Annual Scientific Meetings

Greetings from the new SPUMS Webmaster

Report from the ANZCA SIG-DHM
### Diploma of Diving and Hyperbaric Medicine

Qualifications, underwater medicine, hyperbaric oxygen, research

### Minutes of the SPUMS Executive Committee Telephone Conference Meeting held on 01 September 2007

### SPUMS Annual General Meeting 2008

### Minutes of the Annual General Meeting of the Australian and New Zealand Hyperbaric Medicine Group, Saturday 11 August 2007

### ANZCA Certificate in Diving and Hyperbaric Medicine

### LETTERS TO THE EDITOR

#### Asthma and scuba diving
Walker D
Letters (to the Editor), asthma, deaths, scuba diving

#### The future of our journal
Acott C
Letters (to the Editor), medical society

#### The hundred-fathom link
McKie N
Letters (to the Editor), deep diving, breath-hold diving

#### Spirometry assessment of divers at the 2007 ASM
Wilson A
Letters (to the Editor), pulmonary function, research, medical society

#### Maintenance of Professional Standards
Lehn J
Letters (to the Editor), meetings, MOPS

#### Project Stickybeak and DAN AP dive accident reporting project
Lippmann J
Letters (to the Editor), accidents, deaths, diving deaths, epidemiology, medical database, DAN - Divers Alert Network

#### Diving medical education
Elliott D
Underwater medicine, training, qualifications, occupational diving, letters (to the Editor)

#### Recognition of diving medicals in Queensland
Wendling J
Medicals – diving, training, qualifications, fitness to dive, recreational divers, legal and insurance, policy, tourism, letters (to the Editor)

### BOOK AND JOURNAL REVIEWS

#### The international journal of diving history, volume 2 (1)
(Phillips N, ed)
Davis M

#### Oxygen first aid, third edition (Lippmann J)
Davis M
Book reviews, first aid, resuscitation, oxygen

#### Fathomeering: an amphibian’s tale (Howitt I)
Ramsay B
Book review, diving, history, general interest

#### PFO and the diver: Patency of the cardiac foramen ovale: a risk factor for dysbaric disorders? (Balestra C, Cronjé FJ, Germonpré P, Marroni A)
Boon von Ochsée D
Patent foramen ovale (PFO), diving, decompression sickness, decompression illness, research, book review

#### The oxygen revolution (Harch PG, McCullough V)
Thomson I

### ARTICLES OF INTEREST REPRINTED FROM OTHER SOURCES

#### Research report: systematic reviews
Clavisi O, Bennett MH
Reprinted from, research, evidence, medical database, Cochrane library

#### Evaluation of the System O2 Inc portable non-pressurized oxygen delivery system [Abstract]
Pollock NW, Hobbs GW
Reprinted from, first aid, resuscitation, oxygen, equipment, performance

#### The absence of hearing loss in otologically asymptomatic recreational scuba divers [Abstract]
Taylor D McD, Lippmann J, Smith D
Reprinted from, ear barotrauma, hearing, scuba diving

#### Problems associated with scuba diving are not evenly distributed across a menstrual cycle [Abstract]
St Leger Dowse M, Gunby A, Phil D, Moncad R, Fife C, Morsman J, Bryson P
Reprinted from, scuba diving, health surveys, women, menstruation, decompression sickness

#### Cigarette smoking and decompression illness severity: a retrospective study in recreational divers [Abstract]
Buch DA, El Moalem H, Dovenbarger JA, Uguccioni
DM, Moon RE
Scuba diving and pregnancy: can we determine safe limits? [Abstract]
St Leger Dowse M, Gunby A, Moncad R, Fife C, Bryson P
Reprinted from, scuba diving, health surveys, women, pregnancy
Decompression disease with breath-hold dive [Abstract]
Harms JD, D’Andrea C, Benhamou S, Archambaud E
Reprinted from, breath-hold diving, decompression sickness, case reports
Iruckandji Taskforce guidelines for the emergency management of Iruckandji syndrome
Pereira P, Corkeron M, Little M, Farlow D
Reprinted from, first aid, jellyfish, marine animals, toxins, resuscitation, treatment, flow chart
Fatal respiratory failure during a ‘technical’ rebreather dive at extreme pressure [Abstract]
Mitchell SJ, Croné FJ, Meintjes WAI, Britz HC
Technical diving, diving physiology, carbon dioxide, hypercapnia ventilation, breathing, abstracts
Exhaled nitric oxide is decreased by exposure to the hyperbaric oxygen therapy environment [Abstract]
Puthucheary ZA, Liu J, Bennett M, Trytko B, Chow S, Thomas PS
Hyperbaric oxygen, research, nitric oxide, abstracts
Endothelial microparticles in vascular disease and as a potential marker of decompression illness
Madden LA, Laden G
Reprinted from, decompression illness, endothelium, bubbles, microparticles, review article
Monoplace hyperbaric chamber use of US Navy Table 6: a 20-year experience [Abstract]
Weaver LK
Reprinted from, decompression illness, decompression sickness, arterial gas embolism, hyperbaric oxygen therapy, treatment
Age associated risks of recreational scuba diving
Smerz RW
Decompression sickness, scuba accidents, risk factors, age, DAN – Divers Alert Network, data, treatment sequelae
Epilepsy and recreational scuba diving: an absolute contra-indication or can there be exceptions? A call for discussion
Almeida MG, Bell GS, Sander JW
Epilepsy, recreational diving, fitness to dive, review article, reprinted from
First-aid normobaric oxygen for the treatment of recreational diving injuries [Abstract]
Longphre JM, Denoble PJ, Moon RE, Vann RD, Freiberger JJ
First aid, oxygen, diving, injuries, decompression sickness, decompression illness, DAN - Divers Alert Network, reprinted from
Alveolar gas composition before and after maximal breath-holds in competitive divers [Abstract]
Lindholm P, Lundgren CEG
Breath-hold diving, respiratory, physiology, hypercapnia, hypoxia, reprinted from

CRITICAL APPRAISAL
Hyperbaric oxygen therapy reduces muscle tenderness and raises pain threshold in patients suffering from fibromyalgia
Gibbens A, Bennett M
Critical appraisal, hyperbaric oxygen, hyperbaric research, musculo-skeletal, reprinted from

OBITUARIES
Henry Valance ‘Val’ Hempleman
Tows J, Bevan J
Obituary, decompression, models, tunnelling, saturation diving, research
George Wookey
Findlay L
Obituary, deep diving, personality, general interest, reprinted from