

Diving and Hyperbaric Medicine

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 2007; 37 (2): 57.
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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
 2007; 37 (1): 2-9.
 Sensation-seeking personality traits of navy divers
 Van Wijk CH
 Psychology, personality, occupational diving, survey
 2007; 37 (1): 10-15.
 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

2007; 37 (2): 58-64.

Does hostility facilitate success in military diving?

Van Wijk CH

Psychology, personality, military diving, occupational diving, survey

2007; 37 (2): 65-7.

Diving-related deaths in New Zealand 2000–2006

McClelland A

Diving deaths, deaths, drowning, scuba diving, breath-hold diving, diving accidents, case reports

2007; 37 (4): 174-88.

Diving expedition medicine – the Coral Cay Conservation experience

Richardson KE

Travel medicine, health surveillance, medical conditions and problems, epidemiology, medical kits, operations – diving

2007; 37 (4): 189-97.

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

2007; 37 (4): 199-203.

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

2007; 37 (1): 16-24.

In vitro models for evaluation of hyperbaric oxygen therapy in wound healing: a review

Malda J, Dawson RA, Kairuz E, Topping G, Long R, Upton Z

Human skin equivalent, models, hyperbaric oxygen, chronic wounds, research, review article

2007; 37 (1): 25-30.

Use of ultrasound in decompression research

Pollock NW

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Aerobic fitness and underwater diving

Pollock NW

Aerobic capacity, exercise, oxygen consumption, fitness to dive, scuba, review article

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Deep decompression stops

Fock A

Decompression, deep diving, technical diving, models, trimix, review article

2007; 37 (3): 125-32.

Scientific diving in Antarctica: history and current practice

Pollock NW

Antarctica, diving, scientific diving, hypothermia (see

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2007; 37 (4): 204-11.

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

2007; 37 (3): 143-5.

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Treatment of decompression illness in the 21st century: a brief overview

Mitchell SJ

Decompression illness, decompression sickness, arterial gas embolism, recompression, non-steroidal anti-inflammatories, lignocaine, blood substitutes, review article

2007; 37 (2): 73-5.

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

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Under-ice research: results of the International Polar Diving Workshop [Abstract]

Lang MA

Antarctica, ice, operations – diving, logistics, safety, diving research, abstract

2007; 37 (2): 77.

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

2007; 37 (2): 77.

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

[Abstract]

Davis M, Sames C, Macdonald H
Hyperbaric oxygen therapy, drugs, clinical toxicology,
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2007; 37 (2): 78-9.

Hyperbaric oxygenation in the patient with malignancy:
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Macdonald HM
Hyperbaric oxygen, malignancy, outcome, review
2007; 37 (3): 133-8.

THE DIVING DOCTOR'S DIARY

Treatment of psychological injury after a scuba-diving
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Ladd G
Diving deaths, scuba diving, psychology, instruction
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2007; 37 (1): 36-9.

Two divers with acute vertigo and loss of balance
McGeoch G
Scuba diving, vertigo, decompression illness, inner
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A case of unilateral facial swelling
Van der Hulst G
Underwater medicine, scuba diving, treatment,
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Trauma in the marine environment requiring surgery after
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Smart D
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THE WORLD AS IT IS

British Sub-Aqua Club (BSAC) diving incidents report
2006
Summary by Wilson C
Recreational diving, accidents, diving deaths,
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2007; 37 (2): 85-6.

Development of recompression chamber facilities in
Malaysia
Rozali A, Mohd Zin B, Sherina MS, Khairuddin H,
Sulaiman A
Hyperbaric facilities, hyperbaric oxygen therapy,
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2007; 37 (2): 87-9.

Now and then – tales from SUMU
Pennefather J
Autobiography, diving research, military diving, history,
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2007; 37 (2): 90-3.

OPINION

Diving medicine: from art to pseudo-science
Edmonds C
General interest, diving scholars, underwater medicine,
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2007; 37 (2): 94-8.

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

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Minutes of the SPUMS Executive Committee Meeting held
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2007; 37 (1): 32-3.

Further report on Australian and New Zealand Standards
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May 2006 at Standards Australia House, Sydney
2007; 37 (1): 33-4.

The SPUMS website
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Notice of the SPUMS Annual General Meeting 2007
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ANZHMG Accepted Indications for Hyperbaric Oxygen
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Minutes of the SPUMS Executive Committee Meeting held
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Minutes of the Annual General Meeting of SPUMS held at
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President's report 2007
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Secretary's report 2007
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Audit report to the members of SPUMS, 2007
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Report on Australian and New Zealand Standards
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Approved extracts of minutes of the SPUMS Executive
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Report from the ANZCA SIG-DHM
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- Diploma of Diving and Hyperbaric Medicine requirements
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- Minutes of the SPUMS Executive Committee Telephone Conference Meeting held on 01 September 2007
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- Minutes of the Annual General Meeting of the Australian and New Zealand Hyperbaric Medicine Group, Saturday 11 August 2007
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- ANZCA Certificate in Diving and Hyperbaric Medicine
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- The hundred-fathom link
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Elliott D
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- 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)
2007; 37 (4): 226-7.

BOOK AND JOURNAL REVIEWS

- The international journal of diving history, volume 2 (1)
(Phillips N, ed)
Davis M
2007; 37 (1): 54.
- Oxygen first aid, third edition (Lippmann J)
Davis M
Book reviews, first aid, resuscitation, oxygen
2007; 37 (2): 111.
- Fathomeering: an amphibian's tale (Howitt I)
Ramsay B
Book review, diving, history, general interest
2007; 37 (2): 111-2.
- 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
2007; 37 (4): 227-8.
- The oxygen revolution (Harch PG, McCullough V)
Thomson I
2007; 37 (4): 228.

ARTICLES OF INTEREST REPRINTED FROM OTHER SOURCES

- Research report: systematic reviews
Clavisi O, Bennett MH
Reprinted from, research, evidence, medical database, Cochrane library
2007; 37 (1): 42-4.
- Bulletin of the Australian and New Zealand College of Anaesthetists. 2006; Oct: 10-11.
- 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
2007; 37 (1): 45.
- Wilderness Environ Med. 2002; 13: 253-5.
- 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
2007; 37 (1): 45.
- Undersea Hyperb Med. 2006; 33: 135-41.
- 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
2007; 37 (1): 46.
- J Obstet Gynaecol. 2006; 26: 216-21.
- Cigarette smoking and decompression illness severity: a retrospective study in recreational divers [Abstract]
Buch DA, El Moalem H, Dovenbarger JA, Ugucioni

- DM, Moon RE
Decompression sickness, smoking, diving, embolism
2007; 37 (1): 46.
Aviat Space Environ Med. 2003; 74: 1271-4.
- 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
2007; 37 (1): 47.
J Obstet Gynaecol. 2006; 26: 509-13.
- 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
2007; 37 (1): 47.
European Journal of Underwater and Hyperbaric Medicine. 2006; 7: 59.
- Irukandji Taskforce guidelines for the emergency management of Irukandji syndrome
Pereira P, Corkeron M, Little M, Farlow D
Reprinted from, first aid, jellyfish, marine animals, toxins, resuscitation, treatment, flow chart
2007; 37 (1): 48-9.
Queensland Irukandji Taskforce, 29 January 2007.
- Fatal respiratory failure during a 'technical' rebreather dive at extreme pressure [Abstract]
Mitchell SJ, Cronjé FJ, Meintjes WAJ, Britz HC
Technical diving, diving physiology, carbon dioxide, hypercapnia ventilation, breathing, abstracts
2007; 37 (2): 106.
Aviat Space Environ Med. 2007; 78: 81-6.
- Exhaled nitric oxide is decreased by exposure to the hyperbaric oxygen therapy environment [Abstract]
Puthuchery ZA, Liu J, Bennett M, Trytko B, Chow S, Thomas PS
Hyperbaric oxygen, research, nitric oxide, abstracts
2007; 37 (2): 106.
Mediators Inflamm. 2006; 2006 (5): 72620.
- 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
2007; 37 (3): 156-61.
European Journal of Underwater and Hyperbaric Medicine. 2007; 8: 6-10.
- 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
2007; 37 (3): 161.
Undersea Hyperb Med. 2006; 33: 85-8.
- Age associated risks of recreational scuba diving
Smerz RW
Decompression sickness, scuba accidents, risk factors, age, DAN – Divers Alert Network, data, treatment sequelae
2007; 37 (3): 162-3.
Hawaii Med J. 2006; 65:140-1, 153.
- Epilepsy and recreational scuba diving: an absolute contraindication 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
2007; 37 (4): 216-23.
Epilepsia. 2007; 48: 851-8.
- First-aid normobaric oxygen for the treatment of recreational diving injuries [Abstract]
Longphre JM, Denoble PJ, Moon RE, Vann RD, Freiburger JJ
First aid, oxygen, diving, injuries, decompression sickness, decompression illness, DAN - Divers Alert Network, reprinted from
2007; 37 (4): 224.
Undersea Hyperb Med. 2007; 34: 43-9.
- 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
2007; 37 (4): 224.
Undersea Hyperb Med. 2006; 33: 463-7.

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
2007; 37 (4): 225.

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- Henry Valance 'Val' Hempleman
Towse J, Bevan J
Obituary, decompression, models, tunnelling, saturation diving, research
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- George Wookey
Findlay L
Obituary, deep diving, personality, general interest, reprinted from
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