

Diving and Hyperbaric Medicine

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2017;47(1):1.

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2017;47(3):141.

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2017;47(4):211.

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Smart D

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2017;47(4):214-215. doi10.28920/dhm47.4.214-215.

ORIGINAL ARTICLES

Otitis externa in military divers: more frequent and less harmful than reported

Wingelaar TT, van Ooij PJAM, van Hulst RA.

Scuba diving; Ear infection; Treatment

2017;47(1):4-8.

A comparative evaluation of two decompression procedures for technical diving using inflammatory responses: compartmental versus ratio deco

Spisni E, Marabotti C, De Fazio L, Valerii MC, Cavazza E, Brambilla S, Hoxha K, L'Abbate A, Longobardi P.

Scuba diving; Decompression tables; Inflammation; Chemokines; Bubbles; Echocardiography

2017;47(1):9-16.

Preventive effect of rosiglitazone on liver injury in a mouse model of decompression sickness

Peng B, Chen M-M, Jiang Z-L, Li X, Wang G-H, Xu L-H

Animal model; Diving research; Injuries; Nitric oxide; Pharmacology

2017;47(1):17-23.

Understanding scuba diving fatalities: carbon dioxide concentrations in intra-cardiac gas

Varlet V, Dominguez A, Augsburg M, Lossois M, Egger C, Palmiere C, Vilarino R, Grabherr S

Gases; Diving deaths; Drowning; Decompression sickness; Air embolism; Arterial gas embolism

2017;47(2):75-81.

Transcutaneous oximetry measurements of the leg: comparing different measuring equipment and establishing values in healthy young adults

Trinks TP, Blake DF, Young DA, Thistlethwaite K, Vangaveti VN

Patient monitoring; Standards; Wounds; Hyperbaric oxygen therapy

2017;47(2):82-87.

Identifying and acting on potentially inappropriate care? Inadequacy of current hospital coding for this task

Cooper PD, Smart DR

Clinical coding; Data; Economics; Evidence; Health; Hyperbaric oxygen therapy; Policy
2017;47(2):88-96.

Chain of events analysis for a scuba diving fatality
Lippmann J, Stevenson C, Taylor D McD, Williams J, Mohebbi M
Scuba diving; Incidents; Deaths; Investigations; Analysis; Epidemiology
2017;47(3):144-154.

Heat deactivation of the stonefish *Synanceia horrida* venom – implications for first-aid management
Barnett S, Saggiomo S, Smout M, Seymour J
Marine animals; Toxins; Envenomation; First aid; Water; Temperature; Myocytes, cardiac
2017;47(3):155-158.

Decompressing rescue personnel during Australian submarine rescue operations
Reid MP, Fock A, Doolette DJ
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medicine
2017;47(3):159-167.

Decompressing recompression chamber attendants during Australian submarine rescue operations
Reid MP, Fock A, Doolette DJ
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2017;47(3):168-172.

Turkish recreational divers: a comparative study of their demographics, diving habits, health and attitudes
towards safety
Mirasoglu B, Aktas S
Scuba diving; Sex; Medical conditions; Decompression sickness; Menstruation; Pregnancy; Survey
2017;47(3):173-179.

Diving with pre-existing medical conditions
Lippmann J, Taylor D McD, Stevenson C, Williams J, Mitchell SJ
Fitness to dive; Scuba divers; Cardiovascular; Diabetes; Respiratory; Asthma; Survey
2017;47(3):180-190.

Influence of repetitive diving in saltwater on pressure equalization and Eustachian tube function in recreational
scuba divers
Meyer MF, Boor M, Jansen S, Pracht ED, Felsch M, Klünter HD, Hüttenbrink K-B, Beutner D, Grosheva M
Tympanometry; Middle ear; Ear barotrauma; Recreational diving
2017;47(4):216-222. doi10.28920/dhm47.4.216-222.

Repetitive diving in freshwater alters Eustachian tube function measured by Eustachian tube function test in
recreational scuba divers
Jansen S, Boor M, Meyer MF, Pracht ED, Volland R, Klünter HD, Huettenbrink K-B, Beutner D, Grosheva M
Tympanometry; Middle ear; Ear barotrauma; Recreational diving
2017;47(4):223-227. doi10.28920/dhm47.4.223-227.

Thromboelastographic assessment of the impact of mexiletine on coagulation abnormalities induced by air or
normal saline intravenous injections in conscious rats
Nates JL, Cattano D, Costa FS, Chelly JE, Doursout MF
Thromboelastography; Air embolism; Mexiletine; Coagulation; Animal model
2017;47(4):228-232. doi10.28920/dhm47.4.228-232.

Hyperbaric oxygen in the treatment of acute retinal artery occlusion
Elder MJ, Rawstron JA, Davis M
Vision disorders; Visual acuity; Outcome; Retrospective studies; Clinical audit
2017;47(4):233-238. doi10.28920/dhm47.4.233-238.

TECHNICAL REPORTS

An assessment of the performance of the Baxter Elastomeric (LV10) Infusor™ pump under hyperbaric
conditions
Perks S, Blake DF, Young DA, Hardman J, Brown LH, Lewis I, Pain T
Hyperbaric oxygen therapy; Infectious diseases; Drugs; Equipment; Treatment; Flow rate
2017;47(1):33-37.

Performance of the BBraun Perfusor Space syringe driver under hyperbaric conditions
Frawley L, Devaney B, Tsouras T, Frawley G
Equipment; Hyperbaric medicine; Intensive care medicine; Pharmacology
2017;47(1):38-43.

A pleural vacuum relief device for pleural drain unit use in the hyperbaric environment

Gelsomino M, Tsouras T, Millar I, Fock A
Equipment; Chest tubes; Suction; Patient monitoring; Lung; Barotrauma; Pressure
2017;47(3):191-197.

SCIENTIFIC INTEGRITY REVIEW

Identifying and acting on inappropriate metadata: a critique of the Grattan Institute Report on questionable care in Australian hospitals

Cooper PD, Smart DR

Critical appraisal; Data; Economics; Evidence; Health; Hyperbaric oxygen therapy; Policy
2017;47(1):44-54.

REVIEW ARTICLES

Scuba diving and otology: a systematic review with recommendations on diagnosis, treatment and post-operative care

Livingstone DM, Smith KA, Lange B

Head and neck; ENT; Injuries; Medical conditions and problems; Barotrauma; Decompression sickness; Review article

2017;47(2):97-109.

Ischaemia-reperfusion injury and hyperbaric oxygen pathways: a review of cellular mechanisms

Francis A, Baynosa R

Hypoxia; Hyperoxia; Reperfusion injury; Free radicals; Nitric oxide; Ischaemic preconditioning; Review article
2017;47(2):110-117.

Lost at sea: the medical, physiological and psychological factors of prolonged immersion

Massey H, Leach J, Davis FM, Vertongan V

Immersion; Hypothermia; Physiology; Psychology; Environment; Diving incidents; Review article

2017;47(4):239-247. doi10.28920/dhm47.4.239-247.

Personality and behavioural outcomes in diving: current status and recommendations for future research

Van Wijk CH

Psychology; Performance; Military diving; Recreational diving; Review article

2017;47(4):248-252. doi10.28920/dhm47.4.248-252.

Diving and antidepressants

Querido AL

Medications; Fitness to dive; Diving medicine; Recreational diving; Side effects; Review article

2017;47(4):253-256. doi10.28920/dhm47.4.253-256.

SHORT COMMUNICATION

The prevalence of electrocardiogram abnormalities in professional divers

Gunes AE, Cimsit M

Diving at work; Electrocardiography; Health status; Fitness to dive; Diving research

2017;47(1):55-58.

CASE REPORTS

Anton's syndrome as a presentation of decompression illness

Azzopardi CP, Matity L, Muscat S

Decompression sickness; Central nervous system; Anosognosia; Case reports

2017;47(1):59-61.

Superior canal dehiscence syndrome associated with scuba diving

Kitajima N, Sugita-Kitajima A, Kitajima S

2017;47(2):123-126.

A technical diving-related burns case: treatment in a remote location

Sharp FC, Sayer MDJ

2017;47(2):127-130.

Periorbital emphysema after a wet chamber dive

Tseng W-S, Lee H-C, Kang B-H

Barotrauma; Diving medicine; Military diving; Risk factors; Simulation; Training; Valsalva manoeuvre

2017;44(3):198-200.

Ruptured tympanic membrane from underwater impact with an Atlantic salmon, *Salmo salar*

Smart D

Ear barotrauma; Underwater hazards; Marine animals

2017;47(3):201-202.

Delayed hyperbaric intervention in life-threatening decompression illness
Perez MFM, Ongkeko-Perez JV, Serrano AR, Andal MP, Aldover MCC
Cerebral arterial gas embolism (CAGE); Rebreathers/closed circuit; Hyperbaric oxygen therapy; Intensive care medicine; Persistent (patent) foramen ovale; Case report
2017; 47(4):257-259. doi10.28920/dhm47.4.257-259.
Hyperbaric oxygen-associated seizure leading to stroke
Warchol JM, Cooper JS, Diesing TS
Hyperoxia; Central nervous system; Toxicity; Case reports
2017;47(4):260-262. doi10.28920/dhm47.4.260-262.

THE WORLD AS IT IS

British Sub-Aqua Club (BSAC) diving incidents report 2015
Compiled by Brian Cumming and Claire Peddie, Diving Safety and Incidents Advisors
<www.bsac.com/core/core_picker/download.asp?id=26912>
Wilson C
Recreational diving; Diving deaths; Decompression illness; Abstracts; Case reports
2017;47(1):62-64.
Treatment preferences for decompression illness amongst Singapore dive physicians
Tan VH, Chin K, Kumar AA, Chng J, Soh CR
Decompression sickness; Cerebral arterial gas embolism (CAGE); Hyperbaric medicine; Hyperbaric oxygen therapy; Recompression; Survey
2017;47(2):118-122.

CONSENSUS CONFERENCE

Tenth European Consensus Conference on Hyperbaric Medicine: recommendations for accepted and non-accepted clinical indications and practice of hyperbaric oxygen treatment
Mathieu D, Marroni A, Kot J.
Medical conditions and problems; Evidence; Systematic review; Symposium; European Committee for Hyperbaric Medicine
2017;47(1):24-32.

CORRECTION

Correction to Mathieu D, Marroni A, Kot J: Tenth European Consensus Conference on Hyperbaric Medicine: recommendations for accepted and non-accepted clinical indications and practice of hyperbaric oxygen treatment. *Diving Hyperb Med.* 2017;47(1):24-32.
Mathieu D, Marroni A, Kot J
European Committee for Hyperbaric Medicine; Retraction
2017;47(2):131-132.

POSITION STATEMENT

Insulin-requiring diabetes and recreational diving: Australian Diabetes Society position statement, December 2016
Policy; Fitness to dive; Evidence; Medical society
2017;47(1):24-32.

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2017;47(1):65.
Cerebral arterial gas embolism, ingestion of hydrogen peroxide and flight
Joob B, Wiwanitkit V
Toxicology; Bubbles; Aviation; Letters (to the Editor)
2017;47(1):65-66.
ECHM Consensus Conference and levels of evidence
Sherlock S
Hyperbaric oxygen therapy; Medical conditions and problems; Evidence; European Committee for Hyperbaric Medicine; Letters (to the Editor)
2017;47(2):133.
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Mathieu D, Marroni A, Kot J
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2017;47(2):134.
Launch of the ANZCA Diploma of Advanced Diving and Hyperbaric Medicine
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2017;47(2):135.
Proliferative retinopathy during hyperbaric oxygen treatment
Tran V, Smart D
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2017;47(3):203.
Advertising policy for Diving and Hyperbaric Medicine
Kot J, Smart D
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2017;47(3):203-204.

BOOK AND JOURNAL REVIEWS

Cherry Red
Hampson NB, author
Pollock N
General interest; Carbon monoxide; Book reviews
2017;47(1):66.
Oxygen First Aid for Divers
Lippman J, author
Van der Hulst G
Diving incidents; Book reviews
2017;47(4):263.
Hyperbaric Medicine Practice
Whelan HT, Kindwall EP, editors
Banham N
Hyperbaric oxygen therapy; Diving medicine; Textbook; Book reviews
2017;47(4):263-264.

OBITUARY

Norman (Nick) KI McIver OBE, MB ChB, LRCP, MRCS, FFOM
20 August 1940 – 15 September 2016
Douglas J
Obituary; Occupational diving; Occupational health; Decompression illness; Diving industry
2017;47(1):67.
James “Jim” T Joiner
Joiner Susan
2017;47(4):266.

CRITICAL APPRAISAL

Hyperbaric oxygen therapy may improve mobility, reduce complications and return circulation in post-amputation patients having rehabilitation for prosthesis fitting
Bennett M
Surgery; Outcome; Critical appraisal
2017;47(4):265.

DHM REVIEWERS IN 2017

DHM reviewers in 2017
2017;47(4):267.

ERRATA

Incorrect date in The Editor’s offering, March 2017 issue
Wrong photographer, March 2017 issue
2017;47(2):135.

SPUMS NOTICES and NEWS

SPUMS Annual Scientific Meeting 2017, Joint Conference with the Asian Hyperbaric and Diving Medicine Association

2017;47(1):69.

SPUMS Diploma in Diving and Hyperbaric Medicine

2017;47(1):70.

Australian and New Zealand College of Anaesthetists news

Szekely S

2017;47(2):137.

Australian and New Zealand College of Anaesthetists news

2017;47(3):207.

Publications database of the German Diving and Hyperbaric Medical Society (GTUeM)

2017;47(3):207.

SPUMS Website News

2017;47(3):207.

Chris Acott awarded Order of Australia

2017;47(3):207.

Divers Emergency Service/DAN AP Telemedicine Scholarship 2018

2017;47(4):270.

SPUMS HTNA Award 2017

2017;47(4):270.

Life membership of SPUMS awarded to Michael Davis

2017;47(4):272.

EUBS NOTICES and NEWS

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2017;47(1):68.

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2017;47(2):136.

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2017;47(3):206.

ECHM Level 3 (Expert in Hyperbaric Medicine) recognition

2017;47(3):206.

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2017;47(3):206.

Open Letter to the American Diabetes Association Board of Directors

2017;47(3):206.

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2017;47(4):269.

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