

Diving and Hyperbaric Medicine

*The Journal of the South Pacific Underwater Medicine Society and
the European Underwater and Baromedical Society*

Index for Volume 48, 2018

March 2019

ISSN 2209-1491 (online)

ABN 29 299 823 713

EDITORIALS

The Editor's offering

Davis M

Hyperbaric oxygen therapy; Chronic wounds; Transcutaneous oximetry; Diving industry; Safety; General interest

2018 March;48(1):1.

Editorials; Oxygen; Toxicity; In-water recompression (IWR); General interest

2018 June;48(2):71.

Doppler; Editorials; Inner ear; Barotrauma; Medical database; General interest

2018 September;48(3):129.

General interest; Medical society; Writing – medical; Editorials

2018 December;48(4):207-208.

Editorials

The future of diving research in Norway

Møllerløkken A

Decompression sickness; Diving research; History; Research; Editorials

2018 June;48(2):72. doi: 10.28920/dhm48.2.72. PMID: 29888377.

Decompression sickness, fitness and active hydrophobic spots

van Ooij PJAM

2018 September;48(3):130–131. doi: 10.28920/dhm48.3.130-131. PMID: 30199886.

Malnutrition screening in outpatients receiving hyperbaric oxygen therapy: an opportunity for improvement?

Tatucu-Babet OA, Ridley EJ

Nutrition; Chronic wounds; Editorials

2018 December;48(4):206-207. doi: 10.28920/dhm48.4.206-207. PMID: 30517951.

ORIGINAL ARTICLES

Transcutaneous oximetry: variability in normal values for the upper and lower limb

Blake DF, Young DA, Brown LH

Hyperbaric oxygen therapy; Oxygen; Patient monitoring; Standards; Wounds

2018 March;48(1):2–9. doi:10.28920/dhm48.1.2-9. PMID: 29557095.

Long-term changes in spirometry in occupational divers: a 10–25 year audit

Sames C, Gorman D, Mitchell S, Zhou L

Lung function; Fitness to dive; Surveillance; Occupational diving; Medicals – diving

2018 March;48(1):10–16. doi:10.28920/dhm48.1.10-16. PMID: 29557096.

Modern assessment of pulmonary function in divers cannot rely on old reference values

Wingelaar TT, Clarijs P, van Ooij PJAM, Koch DAA, van Hulst RA

Fitness to dive; Flowchart; Global lung initiative; Lung function; Standards; Military diving

2018 March;48(1):17–22. doi:10.28920/dhm48.1.17-22. PMID: 29557097.

Challenges in profiling Australian scuba divers through surveys

Lippmann J, McD Taylor D, Stevenson C, Williams J

Survey; Fitness to dive; Health surveillance; Cardiovascular; Scuba divers; Recreational divers

2018 March;48(1):23–30. doi:10.28920/dhm48.1.23-30. PMID: 29557098.

Hyperbaric oxygen therapy in thromboangiitis obliterans: a retrospective clinical audit

Hemsinli D, Altun G, Tuba Kaplan S, Yildirim F, Cebi G

Buerger's disease; Chronic wounds; Pain; Outcome

2018 March;48(1):31–35. doi:10.28920/dhm48.1.31-35. PMID: 29557099.

Audit of practice in Australian and New Zealand hyperbaric units on the incidence of central nervous system oxygen toxicity

Sherlock S, Way M, Tabah A

Central nervous system; Clinical audit; Diving tables; Hyperbaric oxygen therapy; Toxicity

2018 June;48(2):73–78. doi: 10.28920/dhm48.2.73-78. PMID: 29888378. PMCID: PMC6156828.

Reliability of venous gas embolism detection in the subclavian area for decompression stress assessment following scuba diving

Hugon J, Metelkina A, Barbaud A, Nishi R, Bouak F, Blatteau J-E, Gempp E

Bubbles; Cardiovascular; Doppler; Air; Statistics; Decompression sickness; Risk

2018 September;48(3):132–140. doi: 10.28920/dhm48.3.132-140. PMID: 30199887.

Provisional report on diving-related fatalities in Australian waters 2012

Lippmann J, Lawrence CL, Fock A, Jamieson S

Diving deaths; Scuba; Breath-hold diving; Surface-supply breathing apparatus (SSBA); Diving incidents; Case reports

2018 September;48(3):141–167. doi: 10.28920/dhm48.3.141-167. PMID: 30199888.
Impact of various pressures on fracture resistance and microleakage of amalgam and composite restorations
Shafiqh E, Fekrazad R, Beglou A
Diving; Aviation; Dental; Barotrauma

2018 September;48(3):168–172. doi: 10.28920/dhm48.3.168-172. PMID: 30199889.
Meta-analysis on the effect of hyperbaric oxygen as adjunctive therapy in the outcome of anastomotic healing of experimental colorectal resections in rats
Brouwer RJ, Engberts AC, Borger van der Burg BLS, van Dongen TFCF, van Hulst RA, Hoencamp R
Surgery; Gastrointestinal tract; Animal model; Hyperbaric research; Systematic review

2018 September;48:173–185. doi: 10.28920/dhm48.3.173-185. PMID: 30199890.
Comparison of tissue oxygenation achieved breathing oxygen from a demand valve with four different mask configurations
Blake DF, Crowe M, Lindsay D, Brouff A, Mitchell SJ, Pollock NW
Decompression sickness; First aid; Masks; Medical kits; Oxygen; Transcutaneous oximetry; Scuba diving

2018 December 24;48(4):209–217. doi: 10.28920/dhm48.4.209-217. PMID: 30517952.
Decompression illness and other injuries in a recreational dive charter operation
Hubbard M, Davis FM, Malcolm K, Mitchell SJ
Scuba diving; Diving at work; Diving incidents; Health surveys; Decompression sickness; Epidemiology

2018 December 24;48(4):218–223. doi: 10.28920/dhm48.4.218-223. PMID: 30517953.
Fatal shark attacks on divers in Australia, 1960–2017
Lippmann J
Diving; Marine animals; Diving incidents; Deaths; Injuries; Spearfishing; Snorkelling

2018 December 24;48(4):224–228. doi: 10.28920/dhm48.4.224-228. PMID: 30517954.
Assessment of hyperbaric patients at risk of malnutrition using the Malnutrition Screening Tool: a pilot study
See HG, Tan YR, Au-Yeung KL, Bennett MH
Chronic wounds; Hyperbaric oxygen therapy; Nutrition assessment; Outpatients; Prevalence

2018 December 24;48(4):229–234. doi: 10.28920/dhm48.4.229-234. PMID: 30517955.
Preventive effects of ketone ester BD-AcAc2 on central nervous system oxygen toxicity and concomitant acute lung injury
Yi H, Yu S, Zhang Y, Li R, Zhang D, Xu W
Hyperbaric oxygen; Hyperoxia; Injuries; Respiratory; Animal model; Pharmacology

2018 December 24;48(4):235–240. doi: 10.28920/dhm48.4.235-240. PMID: 30517956.

TECHNICAL REPORTS

Storage of partly used closed-circuit rebreather carbon dioxide absorbent canisters
Pollock NW, Gant N, Harvey D, Mesley P, Hart, J, Mitchell SJ
Hypercapnia; Technical diving; Soda lime; Respiratory; Equipment

2018 June;48(2):96–101. doi: 10.28920/dhm48.2.96-101. PMID: 29888381. PMCID: PMC6156827.
Performance of the Oxylog® 1000 portable ventilator in a hyperbaric environment
Lie SA, Loy ST, Lee CC, Kim SJ, Soh CR
Equipment; Performance; Pressure; Hyperbaric research; Safety

2018 June;48(2):102–106. doi: 10.28920/dhm48.2.102-106. PMID: 29888382. PMCID: PMC6156829.
Repeated hyperbaric exposure and glass ampoule safety
Teoh SY, Vangaveti VN
Pharmacology; Equipment; Safety; Risk assessment; Pressure

2018 June;48(2):107–109. doi: 10.28920/dhm48.2.107-109. PMID: 29888383. PMCID: PMC6156826.
Validation of algorithms used in commercial off-the-shelf dive computers
Fraedrich D
Decompression; Decompression sickness; Deep diving; Computers-diving; Simulation

2018 December 24;48(4):252–258. doi: 10.28920/dhm48.4.252-258. PMID: 30517958.

REVIEW ARTICLES

Rhinologic and oral-maxillofacial complications from scuba diving: a systematic review with recommendations
Livingstone DM, Lange B
Dental; ENT; Rhinology; Barotrauma; Treatment; Review article

2018 June;48(2):79–83. doi: 10.28920/dhm48.2.79-83. PMID: 29888379. PMCID: PMC6156823.
In-water recompression
Doolette DJ, Mitchell SJ
Decompression sickness; Decompression illness; First aid; Treatment; Oxygen; Remote locations; Technical diving

2018 June;48(2):84–95. doi: 10.28920/dhm48.2.84-95. PMID: 29888380. PMCID: PMC6156824.
Inner ear barotrauma in divers: an evidence-based tool for evaluation and treatment
Rozycki SW, Brown MJ, Camacho M
Hearing loss, sudden; ENT; Decompression sickness; Systematic review
2018 September;48(3):186–193. doi: 10.28920/dhm48.3.186-193. PMID: 30199891.
Vibration and bubbles: a systematic review of the effects of helicopter retrieval on injured divers
Blake DF, Crowe M, Mitchell SJ, Aitken P, Pollock NW
Transport; Scuba diving; Decompression sickness; Venous gas embolism (VGE); Vibration; Review article
2018 December 24;48(4):241–251. doi: 10.28920/dhm48.4.241-251. PMID: 30517957.

CASE REPORTS

Vomiting and aspiration of gastric contents: a possible life-threatening combination in underwater diving
Novomeský F, Janík M, Hájek M, Krajčovič J, Straka L
Pathology; Gastrointestinal tract; Diving incidents; Diving deaths; Autopsy
2018 March;48(1):36–39. doi: 10.28920/dhm48.1.36-39. PMID: 29557100.
Immersion pulmonary oedema in a healthy diver not exposed to cold or strenuous exercise
Castagna O, de Maistre S, Schmid B, Caudal D, Regnard J
Rebreathers/closed circuit; Pulmonary function; Negative pressure breathing; Case reports
2018 March;48(1):40–44. doi: 10.28920/dhm48.1.40-44. PMID: 29557101.
Problems with an intrathecal pump in a paraplegic scuba diver
Hacene B, Draulans N, Theys T
Recreational diving; Medications; Implantable devices; Pressure; Spinal cord injury; Case reports
2018 June;48(2):110–111. doi: 10.28920/dhm48.2.110-111. PMID: 29888384. PMCID: PMC6156822.
Acute ophthalmic artery occlusion in decompression illness with underlying anterior cerebral artery A1 segment hypoplasia
Omar AR, Ibrahim M, Hussein A
Decompression sickness; Cerebral arterial gas embolism; Blindness, sudden; Cerebral blood flow;
Ophthalmology; Risk factors; Case reports
2018 June;48(2):112–113. doi: 10.28920/dhm48.2.112-113. PMID: 29888385. PMCID: PMC6156825.
A recurrent, ischaemic ileocolonic anastomosis ulcer refractory to surgery treated with hyperbaric oxygen
Pateria P, Chong A
Gastrointestinal tract; Chronic wounds; Case reports
2018 September;48(3):194–196. doi: 10.28920/dhm48.3.194-196. PMID: 30199892.
A diver with immersion pulmonary oedema and prolonged respiratory symptoms
Morishima R, Nakashima K, Suzuki S, Yamami N, Aoshima M
Ascent; Barotrauma; Breath-hold diving; Scuba diving; Hyperbaric oxygen therapy; Inflammation; Case reports
2018 December 24;48(4):259–261. doi: 10.28920/dhm48.3.259-261. PMID: 30517959/
The on-site differential diagnosis of decompression sickness from endogenous cerebral ischaemia in an elderly
Ama diver using ultrasound
Yanagawa Y, Omori K, Takeuchi I, Jitsuiki K, Ohsaka H, Ishikawa K
Breath-hold diving; Indigenous divers; Stroke; Doppler; Case reports
2018 December 24;48(4):262–263. doi: 10.28920/dhm48.4.262-263. PMID: 30517960.

THE WORLD AS IT IS

British Sub-Aqua Club (BSAC) diving incidents report 2016
Compiled by Brian Cumming and Jim Watson, Diving Safety and Incidents Advisors
Wilson C
Recreational diving; Diving deaths; Decompression illness; Abstracts; Case reports
2018 March;48(1):57–59.
British Sub-Aqua Club (BSAC) diving incidents report 2017
Compiled by Brian Cumming and Jim Watson, Diving Safety and Incidents Advisors
Wilson C
Recreational diving; Diving deaths; Decompression illness; Diving
incidents; Case reports
2018 December;48(4):264–266.

CONSENSUS GUIDELINES

Pre-hospital management of decompression illness: expert review of key principles and controversies
Mitchell SJ, Bennett MH, Bryson P, Butler FK, Doolette DJ, Holm JR, Kot J, Lafère P
Decompression sickness; Arterial gas embolism; Recompression; Remote locations; First aid; In-water recompression (IWR); Transport
2018 March;48(1):45–55. doi: 10.28920/dhm48.1.45-55. PMID: 29557102.)

REPRINTED FROM THE RECENT LITERATURE

The Australian Mid-West Coastal Marine Wound Infections Study
Andy Foote, Robert Henderson, Andrew Lindberg, Carolyn Grigg, Charlie Greenfield, Andrew B Kirke, Kirsten Auret
Injuries; Marine animals; Bacteriology; Treatment; Reprinted from
2018 March;48(1):56.
Hyperbaric oxygenation for tumour sensitisation to radiotherapy. Cochrane database of systematic reviews (Online) 2018, Issue 4. Art. No.: CD005007
Bennett MH, Feldmeier J, Smeë R, Milross C
Evidence; Medicine; Cancer; Abstract; Reprinted from
2018 June;48(2):116–7.
An evidence-based system for health surveillance of occupational divers:
Occupational diver health surveillance. Internal Medicine Journal. 2016 August;46(10):1146-52
Sames S, Gorman DF, Mitchell SJ, Sandiford P
Fitness to dive; Occupational health; Diving industry; Abstract; Reprinted from
2018 June;48(2):117.
Immersion pulmonary edema and comorbidities: case series and updated review
Peacher DF, Martina SD, Otteni CE, Wester TE, Potter JF, Moon RE
Medical conditions and problems; Cardiovascular;
Pulmonary function; Abstract; Reprinted from
2018 June;48(2):118.
Ictal mammalian dive response: a likely cause of sudden unexpected death in epilepsy
Jose L Vega
Sudden unexpected death in epilepsy; SUDEP; Mammalian dive response; MDR; Pulmonary edema; Diving bradycardia; Apnea; Demargination
2018 December;48(4):268.
Toxicopathological effects of the sunscreen UV filter, oxybenzone (benzophenone-3), on coral planulae and cultured primary cells and its environmental contamination in Hawaii and the U.S. Virgin Islands
Downs CA, Kramarsky-Winter E, Segal R, Fauth J, Knutson S, and 11 others
2018 December;48(4):269. doi: 10.1007/s00244-015-0227-7.

PROFESSIONAL DEVELOPMENT MEETING SUMMARY

Hull DCI study day – optimising outcomes
Blogg L, Laden G
Decompression illness; Treatment; Outcome; Meetings
2018 June;48(2):119.

LETTERS TO THE EDITOR

Do skin rash and cutis marmorata stem from lamellar bodies within the skin?
Arieli R
Skin; Decompression illness; Bubbles; Hypothesis; Letters (to the Editor)
2018 June;48(2):114. doi: 10.28920/dhm48.2.114. PMID: 29888386.
Fatty diet, active hydrophobic spots, and decompression sickness
Arieli R
2018 September;48(3):197. doi: 10.28920/dhm48.3.197. PMID: 30199893.

BALTIC DIVING AND HYPERBARIC MEDICINE SYMPOSIUM 2018

Sharp F
No keywords
2018 September;48(3):198.

COMMENT

Evidence brief: hyperbaric oxygen therapy (HBOT) for traumatic brain injury and/or post-traumatic stress disorder

Bennett MH

Hyperbaric research; Central nervous system; Medical condition and problems; Outcome
2018 June;48(2):115. doi: 10.28920/dhm48.2.115. PMID: 29888387.

BOOK REVIEWS

Gas bubble dynamics in the human body

Saul Goldman, J Manuel Solano-Altamirano, Kenneth M LeDez, editors

Fitz-Clarke J

Bubbles; Models; Diving tables; Decompression illness; Book reviews

2018 September;48(3):199–200.

Textbook of chronic wound care: an evidence-based approach for diagnosis and treatment

Jayesh B Shah, Paul J Sheffield, Caroline E Fife, editors

Muth CM

Chronic wounds; Textbook; Book reviews

2018 December;48(4):267-268.

DHM REVIEWERS IN 2018

2018 December;48(4):270.

ERRATA

Smart D

2018 December;48(4):276

SPUMS NOTICES and NEWS

SPUMS Diploma in Diving and Hyperbaric Medicine

Wilkinson D

Qualifications; Underwater medicine; Hyperbaric oxygen; Research; Medical society

2018 March;48(1):61.

Australian and New Zealand College of Anaesthetists news

Szekely S

2018 March;48(1):62.

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

2018 March;48(1):62.

ANZ Hyperbaric Medicine Group, Introductory Course in Diving and Hyperbaric Medicine 2019

2018 June;48(2):121.

ANZ Hyperbaric Medicine Group 2018 Course report

2018 June;48(2):124.

A new hyperbaric facility for Tasmania

Smart D

Hyperbaric medicine; General interest

2018 June;48(2):125.

SPUMS 48th Annual Scientific Meeting 20–26 May 2019

2018 September;48(3):203.

Honours for Richard Harris and Craig Challen

2018 September;48(3):203.

ANZCA Diploma of Advanced Diving and Hyperbaric Medicine

2018 December;48(4):274.

Divers Emergency Service/ADSF Telemedicine Scholarship 2019

2018 December;48(4):276.

The President's pages

Smart D

Medical society; Policy; Copyright; General interest

2018 June;48(2):123–4.

Smart D

Medical society; General interest

2018 September;48(3):203.

Smart D

Medical society; General interest
2018 December;48(4):271-272.

EUBS NOTICES and NEWS

The Science of Diving

2018 March;48(1):63.

EUBS Affiliate Society agreements

2018 June;48(2):126.

European Data Protection Law: General Data Protection Regulation

2018 June;48(2):126.

EUBS 2019 – First Announcement

2018 September;48(3):204.

The President's pages

Kot J

2018 March;48(1):64.

Medical society; General interest

2018 June;48(2):127.

Medical society; General interest

EUBS Executive Committee 2018 elections

2018 June;48(2):127.

Jacek Kot, President, EUBS

Medical society; General interest

2018 September;48(3):204.

EUBS President's message, Ole Hyldgaard

Medical society; General interest

2018 December;48(4):277.

TRICON2018

2018 March;48(1):60.