Diving and Hyperbaric Medicine

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KEY WORDS FOR DIVING AND HYPERBARIC MEDICINE

Abalone Abstracts Accidents Adolescents Aerobic capacity Age Air Air embolism Alcohol Allergy Altitude Anaerobic Anaesthesia Antarctica Antioxidants Arterial gas embolism Ascent Asthma Autism Autobiography Autopsy Aviation Bacteriology Barometric pressure Barotrauma Bell diving Beta blockade Bibliography Biochemistry Biology **Biomarkers** Blood pressure Blood substitutes Blood sugar level Bone healing Bone necrosis 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 Central nervous system 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 Gas solubility Gases Gas-induced osmosis 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 Implantable devices Incidents Indigenous divers 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 Medical society Medicals - diving 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 Perfluorocarbons Performance Permeability Personality Pharmacology Pharmacology - marine Physiology Platelets Policy Postural control Pregnancy Pressure Profile Prolonged OT syndrome Prosopagnosia or visual agnosia Proteins Psychology Pulmonary barotrauma Pulmonary function Pulmonary oedema Pulmonary oxygen toxicity **Oualifications** 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) 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

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 (hyperthermia and hypothermia) 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 Valsalva manoeuvre Vasoconstriction Venous gas embolism 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 2012;42(1):1. 2012;42(2):65. Autism, hyperbaric oxygen therapy, research, editorials 2012;42(3):125. Editorials, alcohol, diving deaths, autopsy, meetings, medical society 2012;42(4):193.

The President's pages

Germonpré P 2012;42(1):2. Medical society, meetings 2012;42(2):66. Medical society, meetings 2012;42(3):127. Balestra C Medical society, meetings 2012;42(4):194. Bennett M 2012;42(1):3. Medical society, meetings 2012;42(3):126.

ORIGINAL ARTICLES

Effect of hypercapnia on spleen-related haemoglobin increase during apnea

Richardson MX, Engan HK, Lodin-Sundström A, Schagatay E

Breath-hold diving, carbon dioxide, hypercapnia, respiration, physiology 2012;42(1):4-9.

The effect of intravenous perfluorocarbon emulsions on whole-body oxygenation after severe decompression sickness

Smith CR, Parsons JT, Zhu J, Spiess BD Blood substitutes, perfluorocarbons, decompression

sickness, treatment, oxygen, oxygen consumption 2012;42(1):10-7.

Diver Health Survey score and probability of decompression sickness among occupational dive guides and instructors van der Hulst GA, Buzzacott PL

Occupational diving, occupational health, health surveillance, diving at work, decompression sickness, models

2012;42(1):18-23.

Postal survey of fitness-to-dive opinions of diving doctors and general practitioners

Sames C, Gorman D, Mitchell S

Fitness to dive, medical examination, compressed-gas divers, scuba divers, recreational divers, occupational divers

2012;42(1):24-9.

Rapid ascent and buoyancy problems among Western

Australian certified recreational divers Buzzacott P, Pikora T, Rosenberg M, Heyworth J Ascent, buoyancy, risk factors, recreational diving, scuba diving 2012;42(1):30-5. The 'normobaric oxygen paradox': does it increase haemoglobin? De Bels D, Theunissen S, Devriendt J, Germonpré P, Lafere P, Valsamis J, Snoeck T, Meeus P, Balestra C Oxygen, haematology, reactive oxygen species (ROS), physiology 2012;42(2):67-71. Effect of a single pool dive on pulmonary function in asthmatic and non-asthmatic divers Ivkovic D, Markovic M, Todorovic BS, Balestra C, Marroni A, Zarkovic M Lung function, pulmonary function, scuba diving, asthma, research 2012;42(2):72-7. The effect of environmental pressure changes on the retentive strength of cements for orthodontic bands Gulve MN, Gulve ND, Shinde R, Kolhe SJ Barotrauma, diving, scuba diving, teeth 2012;42(2):78-81. Hyperbaric oxygen therapy for vaso-occlusive crises in nine patients with sickle-cell disease Stirnemann J, Aras N, Letellier E, Borne M, Brinquin L, Fain O Haematology, hyperbaric oxygen therapy, pain, medical conditions and problems 2012;42(2):82-4. Hyperbaric oxygen in the treatment of childhood autism: a randomised controlled trial Sampanthavivat M, Singkhwa W, Chaiyakul T, Karoonyawanich S, Ajpru H Autism, hyperbaric oxygen therapy, hyperbaric research 2012;42(3):128-33. Monitoring carbon dioxide in mechanically ventilated patients during hyperbaric treatment Bjerregård A, Jansen E Patient monitoring, carbon dioxide, hypercapnia, hyperbaric oxygen therapy, ventilators 2012;42(3):134-6. A review of 17 years of telephone calls to the Australian Diver Emergency Service (DES) Wilkinson D, Goble S DES - Diver Emergency Service, incidents, injuries, fitness to dive, decompression illness, numbers, safety 2012;42(3):137-45. Lower risk of decompression sickness after recommendation of conservative decompression practices in divers with and without vascular right-to-left shunt Klingmann C, Rathmann N, Hausmann D, Bruckner T, Kern R Decompression sickness, decompression illness, patent foramen ovale (PFO), risk, risk management 2012;42(3):146-50.

Provisional report on diving-related fatalities in Australian

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waters 2007 Lippmann J, Walker D, Lawrence CL, Fock A, Wodak T. Jamieson S Diving deaths, scuba, breath-hold diving, surface-supply breathing apparatus (SSBA), closed-circuit rebreather, diving accidents, case reports 2012;42(3):151-70. The incidence of decompression illness in 10 years of scientific diving Dardeau MR, Pollock NW, McDonald CM, Lang MA Decompression illness, decompression sickness, occupational health, safety, scientific diving, epidemiology 2012;42(4):195-200. Alcohol and UK recreational divers: consumption and attitudes St Leger Dowse M, Cridge C, Shaw S, Smerdon G Alcohol, health, recreational divers, survey, world wide web 2012;42(4):201-7. Transcutaneous oximetry measurement: normal values for the upper limb Young DA, Blake DF, Brown LH Transcutaneous oximetry, hyperbaric oxygen therapy, wounds, patient monitoring, standards 2012;42(4):208-13.

REVIEW ARTICLES

Ultrasound in diving and hyperbaric medicine

Gawthrope IC

Ultrasound, hyperbaric medicine, equipment, review article

2012;42(1):36-9.

Irukandji syndrome: a widely misunderstood and poorly researched tropical marine envenoming

Carrette TJ, Underwood AH, Seymour JE

Marine animals, jellyfish, envenomation, clinical toxicology, toxins, first aid, pain, treatment, epidemiology, review article 2012;42(4):214-23.

TECHNICAL ARTICLES

Hyperbaric critical care patient data management system Kronlund P, Olsson D, Lind F Hyperbaric oxygen therapy, patient monitoring, equipment, computers, data, risk assessment, review article

2012;42(2):85-7.

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Scuba divers' pulmonary oedema: recurrences and fatalities Edmonds C, Lippmann J, Lockley S, Wolfers D Scuba diving, pulmonary oedema, salt water aspiration, deaths, case reports 2012;42(1):40-4.

MRI features of spinal cord decompression sickness

presenting as a Brown-Sequard syndrome Louge P, Gempp E, Hugon M Decompression sickness, decompression illness, central nervous system, radiological imaging, case reports 2012;42(2):88-91. A cost-analysis case study of radiation cystitis treatment including hyperbaric oxygen therapy Smart D, Wallington M Hyperbaric oxygen therapy, soft-tissue radionecrosis, irradiation, injuries, economics, case reports 2012;42(2):92-97. A case of spinal epidural haematoma during breath-hold diving Tremolizzo L, Patassini M, Malpieri M, Ferrarese C, Appollonio I Breath-hold diving, spearfishing, central nervous system, Valsalva manoeuvre, injuries, decompression sickness, case reports 2012;42(2):98-100. Cerebral venous air embolism treated with hyperbaric oxygen: a case report Bothma PA, Brodbeck AE, Smith BA Venous gas embolism, hyperbaric oxygen therapy, medical conditions and problems, radiological imaging, right-to-left shunt, case reports 2012;42(2):101-103. A forensic diving medicine examination of a highly publicised scuba diving fatality Edmonds C Scuba diving, scuba accidents, diving deaths, legal and insurance, autopsy, buddies, case reports 2012;42(4):224-30. THE WORLD AS IT IS New hyperbaric facilities for the Prince of Wales Hospital, Sydney Turner R Hyperbaric facilities, equipment, hyperbaric medicine

2012;42(2):111. Diving-related fatalities and decompression illness in the Asia-Pacific region 2010 as reported to the Diver Alert

Network (provisional)

Lippmann J

Recreational diving, deaths, decompression illness, decompression sickness, DAN – Divers Alert Network 2012;42(2):112.

Swedish recommendations on recreational diving and diabetes mellitus

Jendle J, Adolfsson P, Örnhagen H

Diabetes, recreational diving, fitness to dive, safety, safety memorandum, disability

2012;42(4):231-3.

British Sub-Aqua Club (BSAC) diving incidents report 2011

Compiled by Brian Cummings, Diving Incidents Advisor Wilson CM

Recreational diving, accidents, diving deaths, decompression illness, abstracts

2012;42(4):234-6.

COCHRANE CORNER

Hyperbaric oxygen therapy for treating chronic wounds
Kranke P, Bennett MH, Martyn-St James M, Schnabel
A, Debus SE
Hyperbaric oxygen, hyperbaric oxygen therapy, wounds, diabetes, outcome, Cochrane library, abstracts

2012;42(4):237.

HTNA 2011 WORKSHOP REPORT

The use of deep tables in the treatment of decompression illness: The Hyperbaric Technician and Nurses Association 2011 Workshop

Bennett MH, Mitchell SJ, Young D, King D

Recompression, decompression illness, decompression sickness, heliox, treatment, hyperbaric facilities, safety, meetings

2012;42(3):171-80.

LETTERS TO THE EDITOR

HBO Evidence website

Bennett M

Hyperbaric medicine, world wide web, research, letters (to the Editor) 2012;42(2):105.

Safety of deep apneic diving

Schipke JD

Breath-hold diving, hypoxia, physiology, decompression sickness, barotrauma, safety, letters (to the Editor) 2012;42(2):105-6.

Reply: Safety will increase with knowledge

Schagatay E

Breath-hold diving, hypoxia, physiology, decompression sickness, barotrauma, safety, letters (to the Editor) 2012;42(2):106-8.

Diving medicine for scuba divers

Edmonds C

Textbook, world wide web, recreational diving, letters (to the Editor)

2012;42(2):108.

Ultrasound under pressure Dilley A

Ultrasound, hyperbaric medicine, equipment, letters (to the Editor)

2012;42(3):182-3.

Control groups in hyperbaric trials

Sherlock S

Hyperbaric oxygen therapy, wounds, diabetes, risk, ethics, letters (to the Editor) 2012;42(3):183.

BOOK REVIEW

Mastering rebreathers, 2nd edition

Mitchell S

Rebreathers/closed circuit, rebreathers/semi-closed circuit, training, textbook, book reviews 2012;42(1):48-9.

CONTINUING PROFESSIONAL DEVELOPMENT

CME Activity 2011/1, Hyperbaric oxygen therapy for delayed post-radiation injury

Jensen E

MOPS (maintenance of professional standards), radiotherapy, hyperbaric oxygen therapy, hyperbaric medicine, bone necrosis, soft-tissue radionecrosis 2012;42(1):46-7.

CME activity 2012/2, Breath-hold diving Cooper D, Walker M

Breath-hold diving, exercise, hypoxia, physiology, safety, MOPS (maintenance of professional standards) 2012;42(2):109-10.

CME activity 2012/3, Chronic disease of professional divers Wendling J

MOPS (maintenance of Professional Standards), medical conditions and problems, occupational health, diving, dysbaric osteonecrosis, central nervous system, health surveillance

2012;42(3):181-2.

CME activity 2012/4, A potpourri of short-answer questions Anonymous, edited Szekely S

Inner ear barotrauma, inner ear decompression sickness, exogenous poison, clinical toxicology, pharmacology, necrotising infections 2012;42(4):239.

CRITICAL APPRAISAL

Hyperbaric oxygen therapy did not improve arm volume or functional scores in post-radiation lymphoedema

Bennett M

[No key words]

2012;42(1):45.

The addition of hyperbaric oxygenation to specialised wound care for chronic diabetic foot ulcers improved healing and quality of life

Bennett M

Hyperbaric oxygen therapy, wounds, diabetes, critical appraisal

2012;42(2):104.

Postoperative hyperbaric oxygen reduced neurological deficit, brain oedema and abnormal brain density on C/T imaging following resection of meningiomas with associated brain oedema

Bennett M

Hyperbaric oxygen therapy, hyperbaric oxygen, central nervous system, brain injury, cancer, critical appraisal 2012;42(4):238.

ERRATA

Gulve et al - Erratum

2012;42(4):236. Ivkovic et al – Erratum 2012;42(4):236. The Editor's offering 2012;42(4):236.

SPUMS NOTICES and NEWS

Clinical indicators in hyperbaric medicine James J, Lehm J, Bennett M Clinical audit, hyperbaric oxygen therapy, hyperbaric facilities, safety, occupational health 2012;42(1):49. 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 2012;42(1):51. Minutes of the SPUMS Executive Committee Meeting 22 and 25 May 2011 at Hilton Guam Resort and Spa, Tumon Bay, Guam, USA Meetings, medical society 2012;42(1):52-4. Annual General Meeting of the Australian and New Zealand Hyperbaric Medicine Group, Crown Plaza, Coogee Beach, Sydney Meetings, medical society 2012;42(1):54-6. Education Officer's report Smart D Qualifications, underwater medicine, hyperbaric oxygen, research, medical society 2012;42(1):56. Diver Medical Technician training at the Royal Adelaide Hospital 2012;42(1):58. ANZCA Certificate in Diving and Hyperbaric Medicine Szekely S 2012;42(1):59. Summary of the Minutes of the SPUMS Executive Committee Meeting 12 November 2011 at the Prince of Wales Hospital, Randwick Medical society, meetings 2012;42(2):114-6. Australian and New Zealand Hyperbaric Medicine Group (ANZHMG) Chairman's Report, April 2012 Smart D Occupational diving, working in compressed air, operations-diving, diving at work, safety, standards, medicals-diving 2012;42(2):116-7. Minutes for the Annual General Meeting of SPUMS at Madang Resort, Madang, Papua New Guinea, 24 May 2012 Medical society, meetings 2012;42(3):187-8. Education Officer's Report, July 2012 Qualifications, medical society, underwater medicine,

hyperbaric oxygen, research 2012;42(3):189. Executive summary of the minutes of the SPUMS Executive Committee teleconference held on 01 April 2012 Meetings, medical society 2012;42(4):248-50. Minutes of the Annual General Meeting of the Australian and New Zealand Hyperbaric Medicine Group, Thursday 23 August 2012, Chateau-on-the-Park, Christchurch, New Zealand [Key words missing] 2012;42(4):250-1. **EUBS NOTICES and NEWS** Candidates for Vice-President and Member at Large 2012 2012;42(2):121. EUBS Executive Committee (as of September 2012) 2012;42(4):240. Minutes of the meeting of the Executive Committee of EUBS, (ExCom) Belgrade, 13 September 2012 Meetings, medical society 2012;42(4):241-3. Minutes of EUBS General Assembly, Belgrade, 14 September 2012 Meetings, medical society 2012;42(4):244-5.

Réunion 2013. Tricontinental Scientific Meeting on Diving and Hyperbaric Medicine

2012;42(4):246.

INTERNATIONAL CONGRESS ON HYPERBARIC MEDICINE (ICHM)

International Congress on Hyperbaric Medicine (ICHM) Bennett M Meetings, medical society 2012;42(4):253.

THE POETRY DOCTOR

The Urinators Parker J 2012;42(4):252.

OBITUARIES

Eric P Kinwall, MD, 1934-2012 Obituary 2012;42(1):50. Dan Rainolds, MB, FACRRM, PGDipMedSci Obituary 2012;42(1):50.

INSTRUCTIONS TO AUTHORS

Short version (updated December 2012) 2012;42(4):256.

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