EDITORIALS
The Editor’s offering
Davis M
2016;46(2):69.
Chronic wounds; diabetes; diving deaths; buoyancy; evidence; editorials
Deaths; Scuba; Technical diving; DAN – Divers Alert Network; Editorials
2016;46(4):197.

The Presidents’ pages
Smart D
Medical society; general interest
Medical society; general interest
Medical society; diabetes; fitness to dive; general interest
Occupational diving; Standards; Medical society; General interest
Kot J
Medical society; general interest
Medical society; hyperbaric medicine; policy; general interest
2016;46(3):137.
Medical society; Membership; Constitutional amendments; General interest
2016;46(4):199.

EDITORIALS
Poorly designed research does not help clarify the role of hyperbaric oxygen in the treatment of chronic diabetic foot ulcers
Mutluoglu M, Uzun G, Bennett M, Gemonpré P, Smart D, Mathieu D
Hyperbaric research; chronic wounds; diabetes; evidence; outcome; editorial
2016;46(3):133-134.

JOURNAL ARTICLES
Venous gas emboli detected by two-dimensional echocardiography are an imperfect surrogate endpoint for decompression sickness
Doolette DJ
Venous gas emboli; echocardiography; decompression sickness; decompression; diving; research; statistics
2016;46(1):4-10.
The effect of scuba diving on air flow obstruction in divers with asthma
Lawrence CHD, Chen IYD
Lung function; respiratory; diving research
Iatrogenic cerebral gas embolism: analysis of the presentation, management and outcomes of patients referred to the Alfred Hospital Hyperbaric Unit
Beevor H, Frawley G
Cerebral arterial gas embolism (CAGE); venous gas embolism; hyperbaric oxygen therapy; outcome; clinical audit
Evaluation of tympanic membrane bleeding complications during HBOT in patients with or without antiplatelet and anticoagulant drug treatment
Fijen VA, Westerweel PE, van Ooij PJAM, van Hulst RA
Middle ear; barotrauma; hyperbaric oxygen therapy; medication; cardiovascular; haematology; risk factors
Perilymphatic fistula after underwater diving: a series of 11 cases
Morvan J-B, Gemp E, Rivière D, Louge P, Vallee P, Verdalle P
Inner ear; ear barotrauma; scuba diving; breath-hold diving; ENT; surgery; outcome
2016;46(2):72-75.
Quantitative analysis of inner-ear barotrauma using a Eustachian tube function analyser
Kitajima N, Sugita-Kitajima A, Kitajima S
ENT; scuba diving; injuries; vertigo; patient monitoring; equipment
2016;46(2):76-81.

A comparison of simple reaction time, visual discrimination and critical flicker fusion frequency in professional divers at elevated pressure
Tikkinen J, Wuorimaa T, Siimes MA
Narcosis; nitrogen; performance; psychology
2016;46(2):82-86.

Decompression illness treated in Denmark 1999–2013
Svendsen Juul C, Hedetofte M, Bidstrup D, Jansen EC, Hyldegaard O
Decompression sickness; diving incidents; hyperbaric oxygen therapy; recompression; outcome
2016;46(2):87-91.

The duration of two carbon dioxide absorbents in a closed-circuit rebreather diving system
Harvey D, Pollock NW, Gant N, Hart J, Mesley P, Mitchell SJ
Technical diving; equipment; rebreathing; exercise; risk management; safety

User settings on dive computers: reliability in aiding conservative diving
Sayer MDJ, Azzopardi E, Sieber A
Computers – diving; decompression; safety; altitude; persistent (patent) foramen ovale (PFO); enriched air – nitrox; review article

Influence of the diving wetsuit on standard spirometry
Schellart NAM, Sterk W
Lung function; pulmonary function; age; risk factors
2016;46(3):138-141.

Danish diving-related fatalities 1999–2012
Vinkel J, Bak P, Hyldegaard O
Diving injuries; diving deaths; buoyancy; drowning; scuba diving; root cause analysis
2016;46(3):142-149.

Thirty years of American cave diving fatalities
Potts L, Buzzacott P, Denoble P
Deaths; recreational diving; technical diving; root cause analysis; epidemiology; DAN – Divers Alert Network

Safety of transport and hyperbaric oxygen treatment in critically-ill patients from Padua hospitals into a centrally-located, stand-alone hyperbaric facility
Hyperbaric oxygen therapy; intensive care medicine; infectious diseases; fasciitis, necrotizing; transport; clinical audit
2016;46(3):155-159.

Hyperbaric oxygen therapy in the treatment of sudden sensorineural hearing loss: a retrospective analysis of outcomes
Sherlock S, Thistlethwaite K, Khatun M, Perry C, Tabah A
ENT; inner ear; risk factors
2016;46(3):160-165.

The effect of general anaesthesia and neuromuscular blockade on Eustachian tube compliance: a prospective study
Mungur A, Cochard G, Ozier Y, Lafère P
Tympanometry; middle ear; ear barotrauma; ENT

Remote ischaemic conditioning in a rat model subjected to decompression stress
Schmidt NH, Hansen K, Lauridsen H, Vesterby A, Nyengaard JR, Brubakk A, Pedersen M
Decompression sickness; venous gas embolism; platelets; metabolism; central nervous system; ischaemic preconditioning
2016;46(3):170-175.

The demographics and diving behaviour of DAN Asia-Pacific members with and without pre-existing medical conditions
Survey; Fitness to dive; Health surveillance; Cardiovascular; Scuba divers; Recreational divers
Provisional report on diving-related fatalities in Australian waters in 2011
Lippmann J, Lawrence C, Fock A, Jamieson S, Harris R
Diving; Deaths; Scuba; Breath-hold diving; Surface-supply breathing apparatus (SSBA); Diving incidents; Case reports

Estimating the risk of a diving fatality in Australia
Lippmann J, Stevenson C, Taylor D McD, Williams J
Deaths; Diving incidents; Recreational diving; Survey; Statistics
2016;46(4):241-246.

The influence of pressure changes on the retentive force and coronal microleakage of different types of posts in endodontically treated teeth during simulated dives
Mitov G, Draenert F, Schumann P, Stotzer M, von See C
Dental; pressure; barotrauma; barodontalgia

TECHNICAL REPORTS
The measurement of Eustachian tube function in a hyperbaric chamber using an ear canal microphone
Fischer H-G, Koch A, Kähler W, Pohl M, Pau H-W; Zehlizzie T
ENT; ear; barotrauma; Valsalva manoeuvre; middle ear; physiology

A modified device for continuous non-invasive blood pressure measurements in humans under hyperbaric and/or oxygen-enriched conditions
Patient monitoring; hyperbaric facilities; cardiovascular; physiology
2016;46(1):38-42.

REVIEW ARTICLES
Increasing the probability of surviving loss of consciousness underwater when using a rebreather
Haynes P
Diving incidents; Drowning; Safety; Rebreathers/closed circuit; Technical diving; Unconsciousness

CASE REPORTS
Hyperbaric oxygen for the treatment of the rare combination of central retinal vein occlusion and cilioretinal artery occlusion
Celebi ARC, Kilavuzoglu AE, Altiparmak UE, Cosar CB, Ozkiris A
Vision; sudden blindness; hyperbaric oxygen therapy; case report

Inner-ear decompression sickness in nine trimix recreational divers
Guenzani S, Mereu D, Messersmith M, Olivari D, Arena M, Spanò A
Decompression illness; helium; scuba/open circuit; rebreathers/semi-closed circuit; rebreathers/closed circuit; persistent (patent) foramen ovale (PFO); case reports

Cerebral arterial gas embolism after pre-flight ingestion of hydrogen peroxide
Smedley BL, Gault A, Gawthrope IC
Hyperbaric oxygen therapy; aviation; barotrauma; barometric pressure; case reports

Middle ear barotrauma causing transient facial nerve paralysis after scuba diving
Carmichael ML, Boyev KP
Injuries; ENT; Diving incidents; Case reports

THE WORLD AS IT IS
The use of hyperbaric oxygen treatment for sudden sensorineural hearing loss in Europe
Uzun G, Mutluoglu M, Metin S
Hearing; hyperbaric oxygen therapy; hyperbaric facilities; survey

Requests for emergency hyperbaric oxygen treatment for carbon monoxide poisoning in Ankara, Turkey
Özgök-Kangal MK, Karatop-Cesur I, Akcali G, Yildiz S, Uzun G
Toxicity; transport; hyperbaric medicine; clinical audit
A day in the life of a diabetic diver: the Undersea and Hyperbaric Medical Society/Divers Alert Network protocol for diving with diabetes in action
Johnson R
Scuba diving; health status; exercise; blood glucose level; endocrinology; safety

OPINION
Insulin-dependent diabetes mellitus and recreational scuba diving in Australia
Johnson R
Medical conditions and problems; fitness to dive; disability; health status; DAN – Divers Alert Network; instruction – diving

PRACTICE GUIDELINE
Detection of a persistent foramen ovale using echocardiography
Wilmshurst P
Bubbles; decompression; patent foramen ovale; lung; right-to-left shunt; investigations

CONSENSUS DEVELOPMENT CONFERENCE
Detection of a persistent foramen ovale using echocardiography
Wilmshurst P
Bubbles; decompression; patent foramen ovale; lung; right-to-left shunt; investigations

LETTERS TO THE EDITOR
Detection of a persistent foramen ovale using echocardiography
Wilmshurst P
Bubbles; decompression; patent foramen ovale; lung; right-to-left shunt; investigations

Consensus guidelines for the use of ultrasound for diving research
Møllerloekken A, Blogg SL, Dooolie DJ, Nishi RY, Pollock
Doppler; echocardiography; bubbles; cardiovascular; right-to-left shunt; decompression illness; diving research; meetings; review article

Tenth European Consensus Conference on Hyperbaric Medicine: preliminary report
Mathieu D, Marroni A, Kot J
Hyperbaric oxygen therapy; meetings; abstracts
2016;46(2):122-123.

Hyperbaric oxygen therapy for osteoradionecrosis
Cooper PD, Smart DR
Hyperbaric facilities; health; economics; osteoradionecrosis: evidence; letter (to the Editor)

Retraction of three papers investigating transcutaneous oxygen tensions in healthy volunteers
Blake DF, Young DA, Brown LH
Transcutaneous oximetry; retraction; letters (to the Editor)

Tissue oxygenation using different oxygen delivery devices and flow rates
Jüttner B, Großheim M, Theiss M
First aid; equipment; performance; transcutaneous oximetry; letter (to the Editor)

Reply:
Blake DF, Brown LH
First aid; equipment; performance; transcutaneous oximetry; letter (to the Editor)

Vale Carl Edmonds
Edmonds C
No key words

Iatrogenic cerebral gas embolism
Moon RE
Cerebral arterial gas embolism (CAGE); clinical audit; radiological imaging; outcome; letters (to the Editor)
2016;46(2):119.

Reply
Frawley G
Cerebral arterial gas embolism (CAGE); clinical audit; radiological imaging; outcome; letters (to the Editor)
2016;46(2):120.
The effect of scuba diving on airflow obstruction in divers with asthma
Edge C
Lung function; statistics; letters (to the Editor)
2016;46(2):120-121.

Reply
Lawrence C, Chen I
Lung function; statistics; letters (to the Editor)
2016;46(2):121.

Carbon dioxide absorbents for rebreather diving
Pennefather J
Rebreathers/closed circuit; rebreathers/semi-closed circuit; risk factors, letters (to the Editor)

Hypothesis: the influence of cavitation or vacuum phenomenon for decompression sickness
Yanagawa Y, Omori K, Ishikawa K, Jitsuiki K, Yoshizawa T, Takeuchi I, Ohsaka H
Bubbles; letters (to the Editor)
2016;46(4):190.

Commentary:
Balestra C
Decompression sickness; bubbles; letters (to the Editor)
2016;46(3):190-191.

BOOK AND JOURNAL REVIEWS

Diving and Subaquatic Medicine
Edmonds C, Bennett M, Lippmann J, Mitchell S, editors
Kot J
No key words

Undersea and Hyperbaric Medical Society
Guidelines for Hyperbaric Facility Operations, 2nd edition
Workman WT, editor
Goble S
Hyperbaric facilities; safety; standards; training; book reviews

Deep into deco: the diver’s decompression Textbook
Salama A, editor
van der Hulst G
Decompression; decompression tables; computers - diving; models; book reviews

Buzzacott P
Van der Hulst G
Diving deaths; diving incidents; age; book reviews

The Leading Edge, Innovation, technology and people in Australia’s Royal Flying Doctor Service
Langford S, editor
Bennett M
Aviation; Book reviews; General interest
2016;46(4):263.

CRITICAL APPRAISAL

Pre-emptive treatment with hyperbaric oxygen following radiation therapy for head and neck cancer may prevent the onset of late radiation tissue injury
Wood D, Bennett M
No key words
2016;46(2):124.

No evidence of benefit with hyperbaric oxygen therapy for sudden hearing loss
Smart D
ENT; inner ear; critical appraisal
2016;46(3):189.
RETRACTIONS

Transcutaneous oximetry measurement: normal values for the upper limb
Young DA, Blake DF, Brown LH
Retractions
2016;46(1):54.
Transcutaneous oximetry: normal values for the lower limb
Blake DF, Young DA, Brown LH
Retractions
2016;46(1):54.

PARTIAL RETRACTION

A comparison of the tissue oxygenation achieved using different oxygen delivery devices and flow rates.
Blake DF, Naidoo P, Brown LH, Young DA, Lippmann J
Retractions
The effect of scuba diving on airflow obstruction in divers with asthma
Lawrence CHD, Chen IYD
Retractions
2016;46(4):262.

PUBLISHED ERRATUM

Hyperbaric oxygen therapy for osteoradionecrosis
Cooper PD, Smart DR
Erratum
2016;46(2):126.
A modified device for continuous non-invasive blood pressure measurements in humans under hyperbaric
and/or oxygen-enriched conditions
Erratum
User settings on dive computers: reliability in aiding conservative diving
Sayer MDJ, Azzopardi E, Sieber A
Erratum

SPUMS NOTICES and NEWS

SPUMS Annual Scientific Meeting 2016
2016;46(1):64.
Australian and New Zealand College of Anaesthetists Certificate in Diving and Hyperbaric Medicine
2016;46(1):64.
SPUMS Diploma in Diving and Hyperbaric Medicine
David ‘Wilko’ Wilkinson
Terry Cummins
Associate Professor Neal W Pollock, PhD
2016;46(4):265.
Education Officer’s Report, October, 2016
2016;46(4):265.

EUBS NOTICES and NEWS

42nd EUBS Annual Scientific Meeting 2016
Associate Professor Jacek Kot
Zetterström Award
2016;46(4):264.
Patrick Musimu Award
2016;46(4):264.