

Diving and Hyperbaric Medicine

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

SPUMS

Volume 49 No. 1 March 2019

EUBS



Immersion pulmonary oedema reviewed

Occupational diving does not cause hearing loss

Eustachian tube dysfunction helped by dilatation

Optimising endodontics for divers

Diving fatalities in Tasmania

Temperature stick CO₂ monitors in rebreathers

Guidelines for ADHD and diving

CONTENTS

Diving and Hyperbaric Medicine Volume 49 No.1 March 2019

1 The Editor's offering

Original articles

2 The impact of diving on hearing: a 10–25 year audit of New Zealand professional divers

Chris Sames, Desmond F Gorman, Simon J Mitchell, Lifeng Zhou

9 Eustachian tube balloon dilation in treatment of equalization problems of freediving spearfishermen

Antonio AM Giunta, Luca Liberati, Cristina Pellegrino, Giampietro Ricci, Santino Rizzo

16 The effects of pressure in vitro on three methods of root canal obturation

Pooria Safai, Babak Farzaneh, Reza Fekrazad

21 A 20-year analysis of compressed gas diving-related deaths in Tasmania, Australia

Juan Carlos Ascencio-Lane, David Smart, John Lippmann

Review articles

30 Immersion pulmonary oedema: a cardiological perspective

Peter Wilmshurst

41 Diving and attention deficit hyperactivity disorder

Abraham L Querido, Robert A van Hulst

Technical report

48 The performance of 'temperature stick' carbon dioxide absorbent monitors in diving rebreathers

Mårten Silvanius, Simon J Mitchell, Neal W Pollock, Oskar Frånberg, Mikael Gennser, Jerry Lindén, Peter Mesley, Nicholas Gant

Case reports

57 Lion's mane jellyfish (*Cyanea capillata*) envenoming presenting as suspected decompression sickness

Andrew Trevett, Carolyn Sheehan, Antony Wilkinson, Inez Moss

61 Massive portal venous gas embolism after scuba diving

Romain Siffa, Marc Luciani, Bruno Grandjean, Mathieu Coulange

Letter to the Editor

64 Gas micronuclei that underlie decompression bubbles and decompression sickness have not been identified

David Doolette

Critical appraisal

65 Observational study of potential risk factors of immersion pulmonary oedema in healthy divers: exercise intensity is the main contributor

Peter Wilmshurst

Reprint

66 The American Society of Colon and Rectal Surgeons Clinical Practice Guidelines for the Treatment of Chronic Radiation Proctitis

Paquette IM, Vogel JD, Abbas MA, Feingold DL, Steele SR

EUBS notices and news

67 EUBS Annual Scientific Meeting 2019

67 EUBS Executive Committee

68 EUBS President's message

Ole Hyldegaard

69 EUBS Notices and news

SPUMS notices and news

70 SPUMS 48th Annual Scientific Meeting 2019

71 SPUMS President's message

David Smart

71 ANZCA Report

Michael Bennett

73 SPUMS Diploma in Diving and Hyperbaric Medicine

David Wilkinson

Obituary

72 Rees Jones

Simon Mitchell, with thanks to Keith Gordon

74 Notices and news

76 Diving and Hyperbaric Medicine: Instructions for Authors (summary)

Diving and Hyperbaric Medicine is indexed on [MEDLINE](#), [Web of Science®](#) and [Embase/Scopus](#)
Articles from 2017 are deposited in [PubMed Central](#)