

Diving and Hyperbaric Medicine

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

SPUMS

Volume 52 No.3 September 2022

EUBS



HBOT for lower limb trauma: the HOLLT RCT

Pressure effects on dentin bond strength

Lung function after a single heliox dive

HBOT as primary treatment for sudden hearing loss

Pulmonary imaging before HBOT

HBOT improves skin elasticity after irradiation

Dysbarism in a breath-hold diver

Takotsubo cardiomyopathy after IPO

CONTENTS

Diving and Hyperbaric Medicine Volume 52 No.3 September 2022

163 The Editor's offering

Original articles

164 **Hyperbaric Oxygen for Lower Limb Trauma (HOLLT): an international multi-centre randomised clinical trial**

Ian L Millar, Folke G Lind, Karl-Åke Jansson, Michal Hájek, David R Smart, Tiago D Fernandes, Rosemary A McGinnes, Owen D Williamson, Russell K Miller, Catherine A Martin, Belinda J Gabbe, Paul S Myles, Peter A Cameron, for the HOLLT investigator group

175 **Influence of atmospheric pressure changes on dentin bond strength of conventional, bulk-fill and single-shade resin composites**

Secil Ozkan Ata, Canan Akay, Emre Mumcu, Nazim Ata

183 **Lung function changes in divers after a single deep helium-oxygen dive**

Xiao-chen Bao, Tao Yang, Yi-qun Fang, Yong-jun Sun, Nan Wang

191 **Pretreatment hearing grades and hearing recovery outcomes after primary hyperbaric oxygen treatment in patients with idiopathic sudden sensorineural hearing loss**

Andrijana Včeva, Željko Zubčić, Hrvoje Mihalj, Josip Maleš, Tihana Mendeš, Anamarija Šestak

Review article

197 **The role of routine pulmonary imaging before hyperbaric oxygen treatment**

Connor TA Brenna, Shawn Khan, George Djajani, Jay C Buckey Jr., Rita Katznelson

Short communication

208 **Effect of hyperbaric oxygen treatment on skin elasticity in irradiated patients**

Karan Pandey, David N Teguh, Robert A van Hulst

Case reports

213 **Recurrent dysbarism presenting with amnesia and hypoaesthesia in a professional breath-hold diver**

Emily Diacono, Kurt Magri

217 **Takotsubo cardiomyopathy findings on cardiac magnetic resonance imaging following immersion pulmonary oedema**

Rosanna J Stokes, Ross Sayers, Benjamin J Sieniewicz, Wan Cheol Kim

Letters to the Editor

221 **Comment regarding: Han K-H, Hyun G-S, Jee Y-S, Park J-M. Effect of water amount intake before scuba diving on the risk of decompression sickness. Int J Environ Res Publ Health. 2021;18:7601**

Neal W Pollock, S Lesley Blogg, Jan Risberg

222 **Validation of very mild COVID-19 illness criteria to guide successful return to occupational diving**

David Smart

223 **Recompression of a diver with decompression illness found to be COVID-19 positive**

Louise Mallam, Doug Watts

Obituary

225 **Dr Cecilia Jacomina Roberts**
Simon Mitchell

Errata

226 **Correction in: Boet S, Burns JK, Jenisset E, Papp M, Bourbonnais S, Pignel R. A Delphi study to identify relevant scenarios as the first step toward an international hyperbaric medicine simulation curriculum**

226 **Correction in: Banham N, Hawkings P, Gawthrope I. A prospective single-blind randomised clinical trial comparing two treatment tables for the initial management of mild decompression sickness**

SPUMS notices and news

227 **SPUMS President's report**
Neil Banham

228 **SPUMS Annual Scientific Meeting 2023, first notice**

230 **SPUMS Diploma in Diving and Hyperbaric Medicine**

EUBS notices and news

231 **EUBS Notices and news**

232 **Baltic Diving and Hyperbaric Medicine symposium 2022 – BIS_DHM, 8–11 June 2022**
Sigrid Theunissen

234 **Courses and meetings**

235 **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®](#)