## RUBICON FOUNDATION

Rubicon Research Repository > Search Rubicon Rubicon Foundation Archive > Go Undersea Biomedical Research Journal > Advanced Search Please use this identifier to cite or link to this item: 🕑 <u>Home</u> http://archive.rubicon-foundation.org/2513 Title: Influence of heliox, oxygen, and N2O-O2 Browse breathing on N2 bubbles in adipose tissue <u>Communities</u> Authors: Hyldegaard, O & Collections Madsen, J 🥑 Titles Keywords: oxygen (••) **Authors** heliox 🕑 By Date decompression animal rat Sign on to: nitrous oxide adipose tissue updates bubble growth , My Rubicon nitrogen elimination authorized users Issue Date: 1989 🥑 Edit Profile Citation: Undersea Biomed Res. 1989 May; 16(3): 185-93. Abstract: Bubbles in rat adipose tissue were studied at 1 bar after decompression from an exposure to air 🕑 <u>Help</u> at 3.3 bars (absolute) for 4 h. During air breathing the bubbles grew throughout the observation period. During heliox (80:20) breathing they shrank and eventually disappeared from view. If the breathing gas was changed from heliox back to air or to N2O-O2 (80:20) while the bubbles still had an appreciable size, they started growing again. If the change to N2O was done after or a few minutes before a bubble disappeared from view, it did not reappear. During breathing of 100% O2, most bubbles containing N2 initially grew and then maintained their size for a while before diminishing. However, some bubbles did not start shrinking during the 2-3-h observation period. The relevance of the findings to heliox treatment of CNS decompression sickness after air dives is discussed. Description: Undersea and Hyperbaric Medical Society, Inc. (http://www.uhms.org) URI: PMID: 2741253 http://archive.rubicon-foundation.org/2513 Appears in Collections: Undersea Biomedical Research Journal

Files in This I tem:
File Size Format
2741253.pdf 1361Kb Adobe PDF View/Open
Show full item record
All items in DSpace are protected by copyright, with all rights reserv