

RUBICON

FOUNDATION

Search Rubicon

Go

[Advanced Search](#)

[Rubicon Research Repository](#) >
[Rubicon Foundation Archive](#) >
[Undersea Biomedical Research Journal](#) >

[Home](#)

Browse

[Communities & Collections](#)

[Titles](#)

[Authors](#)

[By Date](#)

Sign on to:

[Receive email updates](#)

[My Rubicon](#)
authorized users

[Edit Profile](#)

[Help](#)

Please use this identifier to cite or link to this item:

<http://archive.rubicon-foundation.org/2770>

Title: Critical flicker frequency (CFF) and subjective fatigue during an oxyhelium saturation dive at 62 ATA

Authors: Seki, K
Hugon, M

Keywords: saturation
human
heliox
fatigue
neurophysiological
performance

Issue Date: 1976

Citation: Undersea Biomed Res. 1976 Sep;3(3):235-47.

Abstract: Two divers spent over 50 hours at 610 msw in a helium-oxygen mixture (PO₂:0.38-0.52 ATA). The dive duration was 27 days, including pre-dive stages of confinement, compression, time at maximum pressure, and decompression. The divers were asked to answer 30 questions on their feelings of mental and physical fatigue and to indicate on a nine-point scale their estimation of a general feeling of fatigue. Subjective feelings of fatigue reported in this dive suggested that the divers were in good condition. Hyperbaric arthralgia and physical complaints were reported, especially during decompression, with some post-dive persistence, but they should be considered as distinct signs of feelings of fatigue. The critical flicker frequency (CFF), measured throughout the dive for the two divers, showed systematic variations and a relationship between compression and pressure. These variations were grossly parallel to EEG modifications reported in other studies and probably reveal neurophysiological troubles that were not apparent from subjective reports.

Description: Undersea and Hyperbaric Medical Society, Inc. (<http://www.uhms.org>)

URI: [PMID: 969026](http://archive.rubicon-foundation.org/2770)
<http://archive.rubicon-foundation.org/2770>

Appears in Collections: [Undersea Biomedical Research Journal](#)

Files in This Item:

File	Size	Format	
969026.pdf	1755Kb	Adobe PDF	View/Open

Show full item record

All items in DSpace are protected by copyright, with all rights reserved.

Copyright © 2004-2006 Rubicon Foundation, Inc. - [Feedback](#)