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Title: Hematologic changes after daily asymptomatic dives

Authors: Diercks, KJ
Eisman, PT

Keywords: human
Hematologic
Erythrocyte
Blood Coagulation

Issue Date: 1977

Citation: Undersea Biomed Res. 1977 Dec;4(4):325-31.

Abstract: Hematologic alterations after daily exposure to compression/decompression in open water are described. A standard dive to 100 fsw for 25 min was employed. Erythrocytes decreased postdive, reaching an apparent minimum 4 to 6 h after exposure and recovering to normal or supranormal value by 20 h postdive. Measurements of plasma volume after repeated dives showed a significant increase in volume at 4 h postdive. It is speculated that a phenomenon akin to cardiovascular deconditioning, caused by loss of the hydrostatic blood column in the lower extremities during immersion, results in a transitory fluid recruitment that may persist following several daily dives. Pre- and postdive partial thromboplastin times measured after repeated exposures failed to show a consistent response to compression/decompression. *Blood Cell Count *Blood Coagulation *Blood Volume *Diving Erythrocyte Count Hematocrit Hemoglobins/*analysis Human Periodicity

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

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