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Title: Gas phase separation during decompression in man: ultrasound monitoring

Authors: Neuman, TS
Hall, DA
Linaweaver Jr, PG

Keywords: decompression
human
Doppler

Issue Date: 1976

Abstract: During two dive series, one to 132 fsw and one to 210 fsw, Doppler ultrasonic bubble detectors were used to monitor venous gas bubbles in divers during decompression and for 30 min thereafter. Various decompression schedules were used. Bubble scores were evaluated by independent listeners to tape recordings in a blind manner. A significant increase in bubble scores throughout the stages of decompression and postdecompression was demonstrated as well as a statistically significant relationship between bubble score and decompression sickness. A reduction in mean bubble score was found in divers who made an additional deep decompression stop that was unrelated to the extension of the decompression time. The implications of these findings are discussed. Adult Atmosphere Exposure Chambers Decompression Sickness/*diagnosis Diving Human Middle Aged Naval Medicine *Ultrasonography

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

URI: [PMID: 951822](#)
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