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**Title:** The effect of high pressure on the hemolysis of red blood cells

**Authors:** Brewster, E  
Collins, S  
Funnell, GR  
Smith, EB

**Keywords:** human  
red blood cell  
hemolysis  
dive

**Issue Date:** 1976

**Abstract:** Investigations into the effects of pressure on the hypotonic hemolysis of human erythrocytes show that pressures up to 130 atm (1700 psi) do not potentiate the hemolysis as has previously been suggested. Furthermore, such pressures do not remove the protection against hypotonic hemolysis conferred by the presence of general anesthetics to more than a negligible extent.  
Anesthetics/pharmacology \*Atmospheric Pressure  
Erythrocytes/drug effects Helium/pharmacology  
\*Hemolysis Human Hypotonic  
Solutions/pharmacology In Vitro

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

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