

(Free) Man at High Altitude: Pathophysiology of Acclimatization and Adaptation

# Man at High Altitude: Pathophysiology of Acclimatization and Adaptation

*Donald Heath, David Reid Williams*

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This comprehensive examination of the clinical aspects of man's adjustment to hypoxia and cold at high altitude features material from studies conducted in Hawaii, the Himalayas, the Andes and high-altitude volcanoes of the Pacific. Subjects examined include the nature of nocturnal periodic breathing, the effects of hypobaric hypoxia on the human endocrine system, morphometric studies of the placental and alveolarcapillary membranes which conduct oxygen at high altitude, and the success of acetazolamide against acute mountain sickness. The pathology of the two malignant variants of acute mountain sickness - high-altitude pulmonary oedema and cerebral mountain sickness - are discussed in the light of recent evidence of their association with the pulmonary arteries and cerebral venous sinuses.

About the Author Donald Heath, Emeritus Professor of Pathology, University of Liverpool. David R. Williams, Department of Pathology, University of Liverpool.