



[Maintaining the homeostasis of the human body in the extreme north].

<https://arctichealth.org/en/permalink/ahliterature224658>

Author: BV Ustiushin
I I Dedenko

Source: Vestn Akad Med Nauk SSSR. 1992;(1):6-10

Date: 1992

Language: Russian

Publication Type: Article

Keywords: Arctic Regions
Cold Climate
Female
Homeostasis - physiology
Humans
Male

Abstract: It has been shown that men living in the Extreme North experience the tension of thermoregulation and its effectors. The main systems that maintain thermal balance of the body are the cardiovascular system and external respiration taking an active part in the processes of physical and chemical thermoregulation. The double load of the key system leads to non-economic and rapid spending of the functional reserves and risk of early development of disadaptation phenomena. The authors worded a scientific concept of the systemic organization in the maintenance of temperature constancy of the internal medium of man in the Extreme North, which permits estimating the degree of the participation of the subordinated subsystems in thermoregulatory processes.

PubMed ID: 1585731 [View in PubMed](#)