

Mechanisms underlying the relationship of leukocyte distribution with healthy conditions of the skin

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We, multicellular organisms, must cooperate, to some extent, all cells when we behave for one purpose. In this regard, we carry the autonomic nervous system and all cells are cooperated with each other under unconsciousness. All cells in our body are under the regulation of autonomic nervous system and leukocytes are not excluded from this rule. Therefore, if the autonomic nervous system becomes unbalanced, the distribution of leukocytes is also deviated. This leads to the disorder of organs, including the skin, and we finally fall victim to disease.

Key words: cooperation among cells, autonomic nervous system, leukocyte, disease expression. The data further suggest that these effects are partially mediated by ROS.