

Beneficial effects of different waters on cultured cells

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Abstract

Water is a tasteless, odorless, and nearly colorless chemical substance that is the main constituent of most living organisms. However, water possesses a number of unique properties. Among these, several beneficial effects on human health and well-being have been reported in case-studies. Prompted by this background, the present investigation used cell biological methods to evaluate beneficial health effects of waters of different origin: (1) various artesian spring waters, (2) various domestic tap waters which have been informed subsequently by appropriate device, and (3) various hydrogen waters which were generated by reverse osmosis. All waters were investigated for their antioxidative and anti-inflammatory potential (functional neutrophils) and their effect on cell metabolism and cell regeneration (connective tissue fibroblasts). The data are presented and discussed in detail. It is demonstrated that water can be activated or informed naturally or by using an appropriate device and possesses beneficial health effects which can be shown on the cellular level.

Biography



Peter C. Dartsch has studied biochemistry at the university of Tübingen, Germany. He made his diploma and doctoral thesis as well as his habilitation for human physiology in the field of atherosclerosis and cell culture. He got his professorship in 1997 and became deputy director of the Institute of Occupational Medicine at the University of Tübingen. In 2002 he left the university employment and founded Dartsch Scientific GmbH as a praeclinical research institute working in various fields of basic research. In 2017 he came across the topic of activated water and was fascinated. Since then, he has published more than 10 investigations dealing with the beneficial health effects of water.