INTELLIGENT T-SHIRT TO MONITOR PHYSIOLOGICAL PARAMETERS IN SPORTS ACTIVITY

Description:

In all sports activities it is important to control UV radiation and temperature. However, on many occasions these measures are not taken into account by athletes, either due to lack of awareness or means. On the one hand, exposure to ultraviolet (UV) radiation from the sun or from artificial sources is the main preventable cause of skin cancer. Sunburn also considerably increases this type of cancer and more and more people suffer from them during the practice of physical activity outdoors. On the other hand, an excessive increase in body temperature, caused by excessive physical exercise and a poor capacity to regulate temperature, can lead to episodes of dehydration and increase the risk of heat stroke or heat shock. one of the most serious cases of hyperthermia, which can be fatal. In addition, the latest research has shown that a high body temperature can increase the risks of skin cancer, since it has the ability to exacerbate injuries caused by UV radiation.

Keywords:
Sensors, Skin Cancer, Uv Radiation, Sweating, Body Temperature, Sport Activity

Sectors:
Electronics, Health, Others

Areas:
Electronics, Health Sciences, Technological Improvements, Sport

Advantages:

The main advantage of this invention is the ability to prevent skin cancer. Avoid suffering a heat stroke due to the difference in internal and external temperature and help athletes to decide the best hydration strategies.

Uses and Applications:

Health and Sports Sector. This garment is specially designed for use in the field of physical activity and sports. Oriented to the prevention of skin cancer.

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Applicants: Universidad De Málaga, Universidad De Cádiz, Agencia Pública Empresarial Sanitaria Costa Del Sol, Centro Andaluz De Medicina Del Deporte
Inventors: José Luis González Montesinos, Jorge Del Rosario Fernández Santos, José Vicente Gutiérrez Manzanado, Guillermo De Castro Maqueda, Magdalena De Troya Martín, Nuria Blázquez Sánchez, Francisco Rivas Ruiz, Maria Victoria De Galvez Aranda, Mª. Del Carmen Vaz Pardal
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