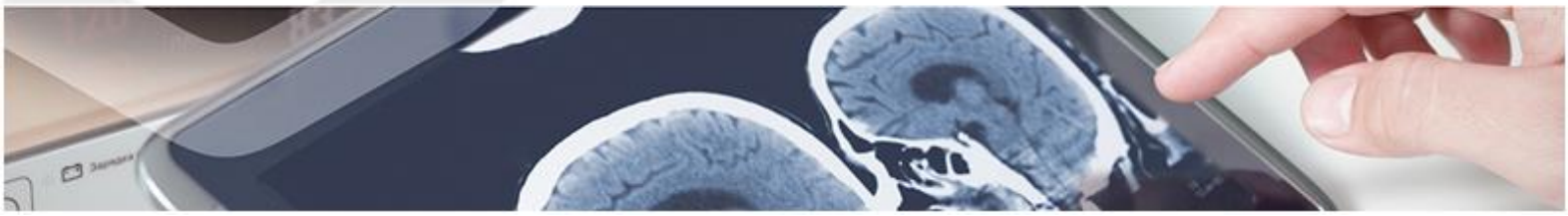
Prevention.

T-shirt for temperature, perspiration and UV

A research group from the Andalusian Public Health System, Cádiz University and Málaga University has developed a t-shirt prototype for body and room temperature, UV intensity and perspiration measurement. This t-shirt has been developed for being used in sport and physical activities.

Oficina de TRANSFERENCIA DE TECNOLOGÍA
Sistema Sanitario Público de Andalucía



Description

The number of cases of skin cancer arise all over the word. Sun and artificial ultraviolet radiation produce skin cancer. Moreover, sunburns increase a person's risk for skin cancer. Nowadays, most people suffer sunburns during sport or physical activities practice.

To do sport using hats, long-sleeve t-shirt, sun glasses and sunscreen or to do sport in the shade reduces UV radiation exposition. However, most sportsmen do not take it into account or they do not have technical media.

On the other hand, a high body temperature produced by sport can result in severe dehydration or thermal shock. Hyperthermia can produce sportsman died.

Also, last researches have discovered a high body temperature increase UV radiation damages and skin cancer risk.

For these reasons, the use of a t-shirt for body and room temperature measurement, and UV intensity and perspiration measurement prevent sunburns and skin cancer. The use of this t-shirt it is also interesting for hydration strategy.

Advantanges

- To **prevent skin cancer.**
- To **avoid** sportsmen develop a **heat stroke**.
- It is a good tool for **hydration strategy**.

Intellectual Property

This technology is protected by national patent application with possibility of international extension.

Aims

The research group is looking for partnership and/or license agreement.

Classification

Area: Prevention.

Pathology: Skin cancer.

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