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Smart biosensors - wearable biosensors in medical care

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Smart technology is certainly something that will be the key to the optimal operation of our future society, especially when it comes to health care. Today, the industry of medical care and control has undergone significant changes owing to a wide range of facilities and services; these changes include more emphasis on prevention, recognition of primary risks, proper education of users, new ways of health care, and people's authority in control of their personal health. Considering significant advances in science and technology such as basic developments emerging in the fields of micro/nanotechnology, wireless communication, information technology, and biomedical sciences during the past one decade. In fact, one of the ways to improve the quality of care in the health care industry is through application of new technologies. One of the new technologies in the field of health is wearable biosensor, which provides vital signs monitoring of patients, athletes, premature infants, children, psychiatric patients, people who need long-term care, elderly, and people in impassable regions far from health and medical services. These biosensors provide vital signs monitoring of patients, athletes, premature infants, children, psychiatric patients, people who need long-term care, and people in impassable regions far from health and medical services, and they are significantly effective in the prevention, timely diagnosis, control, and treatment of diseases.

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