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Clothes Sensor System for Children

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The paper presents the results of the study regarding the monitoring of the health status of the premature children is realized by the development and the fusion of the sensor systems when the clothes are dressed, and the transmission of information to the doctors and nurses, to the parent. As a clinical tool applied in the monitoring of the vital parameters of the Children, the respiration and the body temperature, thus the system was developed with children's clothing, which are capable of transmitting the information obtained in the body of a baby to assistants or parents. Moreover, such clothes with integrated sensors can perceive external threats, such as the state of the child at this time and warn immediately. The need for such a system was taken into account; the algorithm of functioning of the given system was presented. The latest research and achievements have been highlighted, and significant applications in the analysis of healthcare and behavior are at the application level. Moreover, we offer a lucid perspective of developing children is clothing sensor systems in the future.