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INTELLIGENT WEB BASE FOR VITAL-SIGNED TRANSFER USING IEEE 802.15.4

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This paper describes the development of a remote monitoring system for vital-signal. The system provides remote monitoring of several patients wearing a portable device equipped with IEEE 802.15.4 connective based on wireless sensor networks. We designed the system to record on-line database, server computer used to analyze vital-signal and detect serious heart anomalies in time sent alarm to authorized medical staffs or physician through telecommunication network. The system has a decision support on web-based methods that can detect with high precision. Then the vital-signal is sent by a patient's equipped through wireless to the server of the vital-signal receiver used in hospital. The physicians can easily access to that patient's information and vital-signal with web browser on PC computer or PDA

Keywords:

Vital-signal, IEEE 802.15.4, Remote monitoring, Intelligent web base
