

Health Monitoring Device via wireless transmission

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Abstract

Purpose

In United States, nursing shortages tend to grow because there is a big discrepancy between the supply of and demand for certified nurses. The purpose of the project is to meet the ongoing high demand of patient monitoring from distance and prevent further avoidable health risk of the patients who had been discharged from the hospital.

Recommendation

Our project is designing a smart health monitoring system. The system consists of wearable health monitoring wrist enables complete integration with people and wireless data transmission to health care providers. This mobile-wearable health-monitoring system will not cause any problem with lives of patients. The device will track and transfer various patient health parameters such as body temperature, blood pressure, the number of cancer and white cells, etc. It will interact with people through self-detection, self-diagnosis and self-monitoring. Also, the device will allow nurses or health care providers to monitor their patients through wireless communications. Therefore, patients don't have to visit hospital to have examined on as follow up for certain medication unless there is urgent need to see a doctor. Continuous monitoring of medical devices will help providing critical capabilities to the healthcare service system. This should definitely make it easier for doctors to keep track of patients even away from hospitals and also aware patients when there is something wrong with them and when they should go visit a doctor.

Key words: Health-care, patient, monitoring, smart device, smart service