

以遠距監控系統為基礎之心電圖量測裝置

魏忠必;張儕洋

摘要

本文主要目的為研製一個不受時間、地點所限制的，可遠距與即時監控的心電圖量測系統，由心電圖量測裝置，透過通用串列匯流排 (Universal Serial Bus, USB)，即時將量測到病患的心電圖資料與電腦連線，透過網際網路與病患端電腦做連線，便於照護端與病患端建立起可信賴的橋樑，能夠使照護端充分掌握病患的情況。

關鍵字：單通道心電圖;網際網路;生理訊號量測;泛用串列匯排流

Remote Monitoring System Based Measurement Device for Electrocardiogram

魏忠必;張儕洋

Abstract

The purpose of the research is to develop a remote monitoring and real-time electrocardiogram without constraints of time and place. Patients' measured information provided by electrocardiogram measurement device via Universal Serial Bus (USB) can connect with the Internet immediately, and it is also conducive to establish the reliable communication between patients and the caregiver as well as to provide the effective strategy for the caregiver to control patients' condition.

Key words : Single-channel electrocardiogram (ECG);Internet;

Biosignal measurement;Universal serial bus (USB)