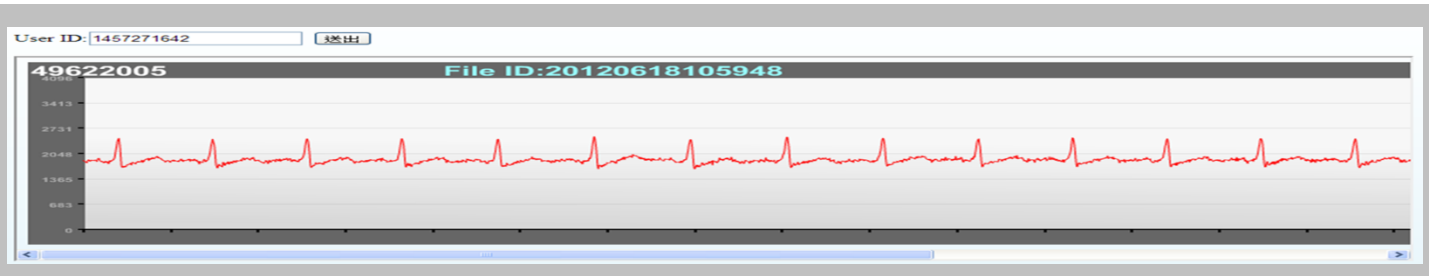
Introduction

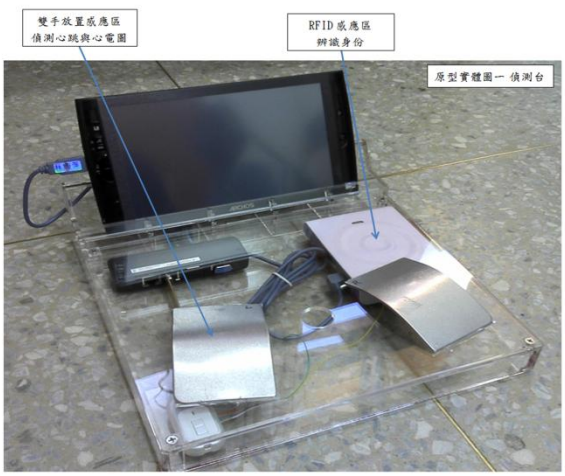
Cloud EKG System is to provide the EKG detection can be carried out as soon as the user has chest pain or any discomfort, and the information can be recorded at any time and can be read by doctors instantly by using the cloud memory technology.

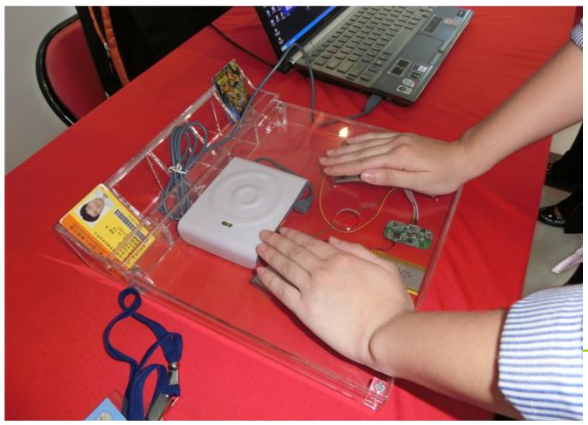
Cloud Electrocardiogram System



Innovative

The cloud electrocardiogram(EKG) system is consisted of a cloud memory device, an EKG detection module and a transmission equipment. The cloud memory device stores at least one EKG information. The EKG detection module enables the user to detect EKG and exports an EKG information according to the detection result. The transmission equipment is connected to the EKG detection module electrically to receive the electrocardiogram information, and uploads the EKG information via the internet to the cloud memory device, so that the EKG detection can be carried out as soon as the user has chest pain or any indisposition. The information can be recorded at any time and read by doctors promptly by using the cloud memory technology.





Description

There are many causes for arhythmia, the most familiar one is coronary artery disease, 90%~95% of patients with acute myocardial infarction have arhythmia. The main symptom of arhythmia is palpitation, normal persons do not feel heart beats as they are accustomed to regular heartbeat, but the patients with arhythmia often feel abnormal heartbeat due to the change in the blood flow mechanics. Slight arhythmia is not dangerous in general, and may not cause complication. If the arhythmia is too severe, for example, the heart beats too fast, so that the heart has no time to load and pump blood, idling as a motor, the total output of blood will decrease rapidly, and the patient may be in coma even apoplexia for lacking oxygen. Malign arhythmia must be treated immediately, if the heartbeat fails to be recovered, the patient may even die.

The patient usually has some painful symptoms before myocardial infarction, and these painful symptoms are forerunners of myocardial infarction. It is very important to record these symptoms in electrocardiogram for instant lookup and to implement perfect treatment.

Implementation mode

The patient finds out this system nearby when he feels bad:

1. The identity is recognized by RFID or registered fingerprint.
2. Put both hands on the sensitive bulb (plate).
3. 15-30 seconds later, the EKG signal is uploaded to the cloud server automatically.
4. As long as the personal account number is entered in the browser of general PC, the actual EKG of the patient can be reconstructed by choosing the file.

Characteristic

Immediately ***(<20min)***

Simple ***(no hospital, no electrode)***

Record ***(no print, no carry)***

Ready access ***(network query)***

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