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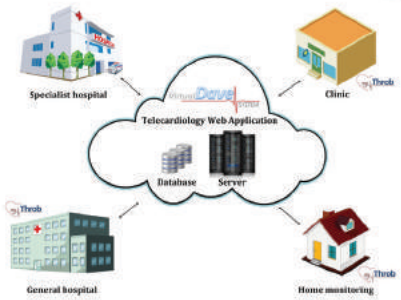
UNIVERSITI TEKNOLOGI MALAYSIA

myTeleCardiology

An IoT-enabled Telecardiology System with Smart Cardiac Monitoring Device for Connected Heart Care at Malaysia

IJN-UTM CARDIAC CENTRE | BioSoC | UiTM Cardiology | WelchAllyn



myTeleCardiology

CENTRALIZED SYSTEM FOR MEDICAL DATA STORAGE AND MANAGEMENT

Virtual Dave SYSTEM

A telecardiology web application that allow you to get professional medical advices and access your medical records in your fingertips

Features

- Multidisciplinary user : Cardiologist, physician, cardiovascular technologist, nurse/hospital administrator, patient.
- Friendly Graphical User Interface (GUI) : Patient information, medical history, ECG history, etc.
- Beat-to-beat interval calculation (e.g. RR, QT, PR, etc.)

Advantages

- Avoid local software installation.
- Access through any IT devices (laptop, tablet and smartphone).
- Support standard ECG data format (SCP-ECG, DICOM-ECG, HL7 aECG).

myThrob

A smart arrhythmia screener with state-of-the-art self arrhythmia classification algorithm, real-time performance and high accuracy

Features

- Portable, light-weight, standalone.
- Multiprocessor System-on-chip (MPSoC) technology
- Life-threatening arrhythmia detection: AF, VT, PVC, PAC, etc.
- Support IoT feature with mobile app for ECG record. upload and display

Advantages

- Field Programmable Gate Array (FPGA) technology: Allow future system upgrade.
- Smart Artificial Intelligence (AI) based classification. Support online and offline self-classification.

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