THE CARDIO-PAD

Using the technology to reduce the mortality rate of cardiovascular diseases in Africa

Presented by

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2009

One year of Learning Basics of Biomedical Engineering and Cardiography algorithms.

Prof. Samuel Kingué
Cardiologist, General Hospital of Yaoundé
First Application: ECG Digital Signal Processing

Computing Heart Frequency, RR, Multi waves
Less than 50 CARDIOLOGISTS for more than 20 MILLIONS PEOPLE
Design and development of a system:

Master Degree Thesis: Acquisition processing and transmission of the Heart signal over the mobile phone Network
2010 - Development of the software: The Idea

Heart Exams  Data transfer  Remote diagnosis
Learning Electronic on the Web
Learning electronics
Prototyping the device
Youtube First Video To raise Money for the Project

3000 Views in a 2 days
Grant from President: $37,000
2012 - MANUFACTURING ELECTRONICS IN CHINA
✓ Perform ECG
✓ Transmit exams to remote cardiologists
✓ Intuitive user interface to help cardiologists make their diagnosis
✓ Information storage and management of ECG exam notifications
✓ Remote monitoring of patients
june 2014 - Rolex awards for entreprise
Using Previous Grant

SHENZHEN, CHINA Manufacturing 100 devices for hospitals in Cameroon
First Hospitals Working with Cardio-pad

Hospital of Mbankomo and CHU of Yaoundé

200 heart examinations per Month
How the cardio pad works

01
Data is transmitted via the mobile phone network to the National Data Centre.

02
A cardiologist downloads the data onto a Cardio Pad and interprets the reading.

03
The cardiologist sends a diagnosis and treatment instructions back to the nurse.
African Medical Devices Manufacturing Company
The Cardio-pad Demo Film
THANK YOU

www.himore-medical.com
www.facebook.com/cardiopad