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Country: **Europe**

Titel of the project: **1 early diagnostic + fast and optimum management = 0 AVC**

Project details

CHEIKH NGOM

Award amount: €50,000

1 AVC could be the first clinical symptom of atrial fibrillation. Then an early diagnostics can prevent some AVC. 1 mobile cordless ECG device, of the size of a credit card, transportable in a pocket, easily usable, will help detect atrial fibrillation. 0 AVC in case of fast treatment.

Reducing AVC risk is the main objective of the treatment of atrial fibrillation (FA). Before treating, it should be diagnosed. To diagnose FA, an electrocardiogram (ECG) is necessary in the medical officer's office or in hospital. Given the transitory nature of FA symptoms in some patients, ECG abnormalities can be unseen in medical office or hospital. Then, to increase chances of detecting FA, the symptomatic person should always be able to record his/her heart beat. The development of a mobile cordless ECG device, of the size of a credit card or a mobile phone, easily usable, transportable everywhere in a pocket will help detect FA and even other heart beat troubles. Concerned population: any person symptomatic and/or presenting usual risk factors that bring FA. These people are selected by a medical officer during a consultation, on their symptoms and risk factors. Symptoms: - palpitations, - shortness of breath, - thoracic pains, - vertigo, - recurrent feeling of general discomfort...Risk factors of FA:- heart diseases: heart failure, myocardial infarction, valve diseases, high blood pressure-FA already reduced, paroxysmic or persistent FA - Diabetes, obesity or overweight-hyperthyroidism- Alcohol, tobacco- Lung pathologies. In practice: 1. the medical officer prescribes the mobile ECG device to the patient presenting symptoms, 2. the patient having less symptoms records his/her heart beat during approximately 30 seconds by applying the device on his/her chest. She/he can make many records. 3. Through a USB port, these records could be transferred on a computer and printed or sent by email to a specialist. 4. the medical officer will contact the patient only if an abnormality is discovered on the ECG for fast and optimum management.

Audience

Type

- AF Patients
- Healthcare professionals
- Carers of AF Patients
- General public
- Every patient likely to develop a FA

Location

Europe