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Country: **Mexico**

Titel of the project: **DETECTION OF ATRIAL FIBRILLATION AND OTHER
ARRHYTHMIAS BY MEANS OF EVENTS MONITOR**

Project details

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Award amount: €100,000

Atrial fibrillation is an arrhythmia which may present symptoms or may not. It may be the cause of cerebral embolisms, or embolisms in other parts of the body. We diagnose the problem using electrocardiograms (Cg) or with other more advanced studies such as the events monitor, an easy-to-use electronic card.

Atrial fibrillation is an arrhythmia which may present with symptoms or may not. Unfortunately, this arrhythmia may result in a cerebral embolism or an embolism in another part of the body, resulting in partial or complete loss of activity. The prevention of these problems is effected via health check-ups in general physicians' or family physicians' surgeries, but also thanks to detection campaigns aimed at population groups with a high risk of developing this problem. The city of Mazatlán has a population of 403,888 inhabitants, of which only 65% are entitled to health services (source: INEGI, 2005). 8.5% of this total population is above 60 years of age. There are 655 registered physicians in the city. The first stage of the strategy is to invite the doctors to obtain a free electronic card for monitoring events for those patients who do not have access to health services. We continue by directly inviting those who are not entitled to health services based on criteria such as age, working activity, sickness, and presentation of symptoms. The final phase is to invite the authorities endowed with the administrative decisions in the hospitals to join with their corresponding prevention budgets in acquiring the electronic events card for their patients. Once the electronic card has been obtained it will be used by the people to send their electrocardiograms to the central server via telemetric signal over the telephone number 01-800 (free), where they will arrive, be interpreted, and returned to the same person and their responsible physician. With the first stage of the invitation the physicians who are not in a social security institution (n=275) will receive an electronic card. They will be qualified and enter into an incentive scheme in accordance with the preventative costs of the condition and the tax burden to the government after informing the relevant authorities accordingly. In the following phases people will be able to acquire the electronic card directly for a fee irrespective of whether they have access to healthcare services or not. Thereafter the service for submitting the values by e-mail is free for life. If people with atrial fibrillation are identified, they will be informed of the importance of corresponding treatment in order to avoid fatal cardiovascular results.

Audience

Type

- AF Patients
- Healthcare professionals
- Carers of AF Patients
- General public

Location

Mexico, North America