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Country: **Mexico**

Titel of the project: **Detection of atrial fibrillation in patients with sleep apnea in the rural population of Mexico.**

Project details

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Award amount: €10,000

Obstructive Sleep Apnea Syndrome (OSAS) is a risk factor for Atrial Fibrillation (AF) and stroke. We offer nocturnal respiratory polygraphy to patients with signs of OSAS in a marginalized rural area in Mexico and Holter monitors for positive cases for detection of AF.

It consists in detecting patients in a marginalized rural environment with moderate to severe OSAS through respiratory polygraphy and performing Holter monitoring on 3 occasions before starting treatment to detect cases with atrial fibrillation. From April 1, 2011, to April 1, 2012. Patients from rural communities of the Northeastern mountain range of Puebla. (Mexico) referred by doctors with signs of OSAS. The nocturnal respiratory polygraphy will be performed with a Stardust device (respironics). Holter monitoring with a Mortara H3+ device. Nocturnal respiratory polygraphy and Holter monitoring will be performed simultaneously on patients the first night. Then, for positive cases of moderate to severe OSAS. If AF is not documented in the initial Holter monitoring, a 24 hour monitoring for week 1 and 2. The polygraphy will be validated by a pneumologist and the Holter monitoring by a cardioarrhythmologist.

Audience

Type

- AF Patients
- Healthcare professionals
- General public

Location

Mexico, North America