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Country: **Italy**

Titel of the project: **PATIENTS WITH ATRIAL FIBRILLATION AND ACUTE
CEREBRAL ISCHEMIA OR HEMORRHAGE IN THE BOLOGNA AREA**

Project details

GUALTIERO PALARETI

ANGIOCLOT

Award amount: €50,000

Patients with AF and acute cerebral ischemia or hemorrhage in Bologna area are registered and distinguished between those who did or did not receive warfarin. The quality of anticoagulation control in the treated is analyzed, since all patients in the area are monitored by a network of anticoagulation clinics.

In the Bologna area, which includes 912,000 inhabitants, there are 9 emergency departments, equipped with a computerized system for admission, diagnosis and discharge. There is also a computer-based network (Bologna-Network-TAO, BO-N-TAO), which connects 19 centers (12 hospitals, 5 outpatient Health Centers, one of family practitioners, and 1 nursing home). These centres actively monitor almost all the anticoagulated patients in the Bologna area (currently about 12.000) and are connected through the BO-N-TAO. Thanks to this network, a database is available which allows the evaluation of the quality parameters of individual VKA treatment. The project aims to collect information on all the patients diagnosed with acute cerebral ischemia (stroke or transient ischemic attacks) or acute cerebral hemorrhage at the emergency departments in the Bologna area during the study period (6 months). Those with atrial fibrillation (AF) are identified and the type of antithrombotic treatment (VKA or antiplatelet therapy), if any, at the time of the event is registered. For those treated with VKA, the INR value at the time of the event is recorded and through the network BO-N-TAO, the quality of anticoagulant treatment (% time in range) in the preceding period, the personal risk factors, the appearance of any prior problems with the treatment will be assessed. The project is planning to register the eligible patients during the 6 months between March and August 2011 and to be completed by the end of 2011, as required by the project criteria. The project has the merit to investigate the occurrence of acute cerebrovascular events in a well-defined geographical area (Bologna) in a numerically significant population. The Study objectives are the following: 1) the incidence of acute (ischemic or hemorrhagic) cerebrovascular events in the area of Bologna; 2) the proportion of patients with AF among those suffering from acute cerebrovascular events; 3) the proportion of subjects among patients with AF who at the time of the event were: a) on VKA, b) on only antiplatelet therapy, c) without any antithrombotic treatment; 4) for those who were on VKA, the following items will also be assessed: a) the value of INR at the time of the event, b) the percentage of time spent in the therapeutic range (INR 2.0-3.0) in the previous 6 months, c) the presence of risk factors, d) history of ischemic or hemorrhagic events, e) comorbidities and comedications.

Audience

Type

- AF Patients
- Healthcare professionals
- General public

Location

Italy, Europe