

# Implementation of pre-hospital emergency pathway for stroke - a cluster randomised trial

<b>Submission date</b> 03/11/2004	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
<b>Registration date</b> 08/12/2004	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 01/11/2022	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**EudraCT/CTIS number**  
Nil known

**IRAS number**

**ClinicalTrials.gov number**  
Nil known

**Secondary identifying numbers**  
Nil known

# Study information

## Scientific Title

Implementation of pre-hospital emergency pathway for stroke - a cluster randomised trial

## Acronym

IMPLICA

## Study objectives

Adoption of emergency clinical pathway improves early diagnosis and referral in suspected stroke patients

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Not provided at time of registration

## Study design

Randomized controlled trial

## Primary study design

Interventional

## Secondary study design

Randomised controlled trial

## Study setting(s)

Not specified

## Study type(s)

Not Specified

## Participant information sheet

## Health condition(s) or problem(s) studied

Suspected stroke in pre-hospital and emergency

## Interventions

The professionals working in the Emergency Medical Services will be randomised to receive training on the evidence-based critical pathway for stroke or to current practice

## Intervention Type

Other

## Phase

Not Specified

## Primary outcome measure

Added as of 14/03/2008:

Proportion of patients with a positive CT for ischaemic stroke and symptoms onset  $\leq 6$  hour admitted to the stroke unit

### **Secondary outcome measures**

Added as of 14/03/2008:

1. Proportion of patients with a positive CT for hemorrhagic stroke and symptoms onset  $\leq 6$  hour admitted to a neurosurgical ward
2. Proportion of patients with a positive CT for hemorrhagic or ischaemic stroke or symptoms onset  $>6$  hour admitted to the nearest hospital
3. Proportion of ICD9CM code for stroke in emergency setting confirmed in the hospital discharge data
4. Proportion of patients with stroke confirmed by CT results
5. Proportion of patients with ischaemic stroke receiving treatment within 6 hour of symptoms onset

### **Overall study start date**

01/02/2005

### **Completion date**

31/08/2005

## **Eligibility**

### **Key inclusion criteria**

Participants included are all the professionals working in the Emergency Medical Services dealing with patients with suspected stroke

### **Participant type(s)**

Patient

### **Age group**

Not Specified

### **Sex**

Both

### **Target number of participants**

About 152 physicians, 280 nurses, 50 drivers will be trained on the contents of the clinical pathway. We estimated that around 750 patients will be met by the services in the 6 months of observation.

### **Key exclusion criteria**

Not provided at time of registration

### **Date of first enrolment**

01/02/2005

### **Date of final enrolment**

31/08/2005

# Locations

## Countries of recruitment

Italy

## Study participating centre

Agency for Public health, Lazio Region

Rome

Italy

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# Sponsor information

## Organisation

Agency for Public Health, Lazio Region (Agenzia di Sanità Pubblica della Regione Lazio)(Italy)

## Sponsor details

Via di Santa Costanza, 53

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## Sponsor type

Government

# Funder(s)

## Funder type

Not defined

## Funder Name

Agency for Public Health, Lazio Region

# Results and Publications

## Publication and dissemination plan

Not provided at time of registration

## Intention to publish date

## Individual participant data (IPD) sharing plan

Not provided at time of registration

## IPD sharing plan summary

Not provided at time of registration

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Protocol article</a>	Study protocol	11/10/2005		Yes	No
<a href="#">Results article</a>		21/01/2009	01/11/2022	Yes	No