

- Cohort of Patients Treated for Acute Myocardial Infarction: Assessment of Patient Sensitivity to Ischaemia/Reperfusion

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General

Identification

Detailed name Cohort of Patients Treated for Acute Myocardial Infarction: Assessment of Patient Sensitivity to Ischaemia/Reperfusion

General Aspects

Medical area Cardiology

Health determinants Medicine

Keywords post-conditioning response, sensitivity, assessment, patient

Scientific investigator(s) (Contact)

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Organization INSERM - Institut National de la Santé et de la Recherche

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Collaborations

Funding

Funding status

Public

Details

2010 population health and clinical research network.

Governance of the database

Sponsor(s) or organisation(s) responsible

INSERM - Institut National de la Santé et de la Recherche Médicale

Organisation status

Public

Additional contact

Main features

Type of database

Type of database

Study databases

Study databases (details)

Cohort study

Database recruitment is carried out by an intermediary

A selection of health institutions and services

Database recruitment is carried out as part of an interventional study

No

Database objective

Main objective

The project's general objective is to assess patient sensitivity to ischaemia/reperfusion (size of myocardial infarction, microvascular obstruction lesions, myocardial oedema) and post-conditioning response (ischaemic or pharmacological) in terms of:

- Clinical characteristics: comorbidities (diabetes, hypertension, smoking, heredity, pre-existing ischaemia);
- Biomarkers identified or to be identified (e.g. interleukin 17, angiopoietin-like 4, cyclophilin D).

Inclusion criteria

All patients admitted to the cardiac intensive care unit at Louis Pradel Cardiology Hospital (Unit 51, Professor Eric Bonnefoy-Cudraz) for myocardial infarction with ST segment elevation.

Population type

Age	Adulthood (25 to 44 years) Adulthood (45 to 64 years) Elderly (65 to 79 years)
Population covered	Sick population
Gender	Male Woman
Geography area	Local
French regions covered by the database	Auvergne Rhône-Alpes
Detail of the geography area	Lyon
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	2010
Size of the database	
Size of the database (number of individuals)	[500-1000[individuals
Details of the number of individuals	565
Data	
Database activity	Current data collection
Type of data collected	Clinical data Declarative data Paraclinical data
Clinical data (detail)	Direct physical measures
Declarative data (detail)	Phone interview
Paraclinical data (detail)	Cardiac magnetic resonance imaging data (size of infarct, volume and left ventricle mass, myocardial oedema, microvascular obstruction).
Presence of a biobank	Yes
Contents of biobank	Serum Plasma DNA

Details of biobank content	Plasma bank, serum bank and DNA bank.
Health parameters studied	Health event/morbidity Health event/mortality
Procedures	
Data collection method	Patients or those close to them and, if required, their treating physicians will be contacted by telephone with a simple questionnaire on cardiovascular events since initial hospitalisation (retrospective cohort updates).
Participant monitoring	Yes
Details on monitoring of participants	Cardiovascular status at 1 year.
Links to administrative sources	No
Promotion and access	
Promotion	
Access	
Terms of data access (charter for data provision, format of data, availability delay)	Currently being determined.
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only