

# EPP III - EPPIII - Cardiac rhythm, baroreflex and cardiovascular morbi-mortality on general population. The Paris Prospective Study III

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## General

### Identification

Detailed name EPPIII - Cardiac rhythm, baroreflex and cardiovascular morbi-mortality on general population. The Paris Prospective Study III

Sign or acronym EPP III

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation PROMOTION INSERM N°C07-39/ N° CNIL 1255838

### General Aspects

Medical area Cardiology

Study in connection with Covid-19 No

Pathology (details) Plasmatic biomarkers

Health determinants Genetic  
Lifestyle and behavior  
Medicine  
Nutrition  
Occupation  
Social and psychosocial factors

Keywords observational cohort, cardiovascular disease, sudden cardiac death, blood biomarkers, carotid rigidity, echotracking, epidemiology

### Scientific investigator(s) (Contact)

Name of the director Empana

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## Collaborations

Participation in projects, networks and consortia	Yes
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Details	The Reference Values for Arterial Measurements Collaboration
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Others	Other related cohorts: Constances cohort which will be supported by several French centers, including the Paris one
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## Funding

Funding status	Public
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Details	ANR, DGS, IRESP, DIM CARDIOVASCULAIRE (GROS MATÉRIEL)
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## Governance of the database

Sponsor(s) or organisation(s) responsible	INSERM - Institut National de Santé et Recherche Médicale
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Organisation status	Public
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Presence of scientific or steering committees	Yes
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## Additional contact

Name of the contact	Perier
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Organization	INSERM

## 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  
A population file

Database recruitment is carried out as part of an interventional study No

Additional information regarding sample selection. Prospective. Other organizations actives in the cohort constitution: Paris preventive and clinical investigation center. Inclusions completed in May 31th 2012

### Database objective

Main objective Cross sectional analysis:  
1) associations between baroreflex sensitivity and cardiac rhythm  
2) determinants of the carotid stiffness and rigidity parameters as measured by echotracking.  
Longitudinal analysis :  
1) Cardiac rhythm and CV morbi-mortality  
2) Baroreflex sensibility and CV morbi-mortality  
3) Arterial stiffness and CV morbi-mortality  
4) Biomarkers and CV morbi-mortality

Inclusion criteria Men and women between 50 and 75 years old, having a French general Social Security regime and consulting for an health check at the Paris preventive and clinical investigation center, voluntaries for the study (written consent), understanding French and accepting genetic analysis.

## Population type

Age  
Adulthood (45 to 64 years)  
Elderly (65 to 79 years)

Population covered  
General population

Pathology

Gender  
Male  
Woman

Geography area  
Local

French regions covered by the database  
Île-de-France

Detail of the geography area  
Paris

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)  
06/2008

Date of last collection (YYYY or MM/YYYY)  
05/2012 (inclusion completed)

## Size of the database

Size of the database (number of individuals)  
[1000-10 000[ individuals

Details of the number of individuals  
10166

## Data

Database activity  
Current data collection

Type of data collected  
Clinical data  
Declarative data  
Paraclinical data  
Biological data  
Administrative data

Clinical data (detail)  
Direct physical measures  
Medical registration

Details of collected clinical data  
Clinical examination at inclusion. Information collected during clinical examination :

anthropometric records, blood pressure, dental, eye and gynecological examination? Continuous cardiac rhythm recording, study of the carotid vascular wall (echography) and carotid tracking echography (baroreflex measure).

Declarative data (detail)	Paper self-questionnaire Face to face interview
Details of collected declarative data	Clinical examination at inclusion. Information collected during clinical examination : anthropometric records, blood pressure, dental, eye and gynecological examination? Continuous cardiac rhythm recording, study of the carotid vascular wall (echography) and carotid tracking echography (baroreflex measure).
Paraclinical data (detail)	Imaging, holter ECG (3H) tracking carotid echography
Biological data (detail)	Samples : blood, DNA, urine
Presence of a biobank	Yes
Contents of biobank	Whole blood Serum Plasma DNA
Details of biobank content	Serum bank, plasma bank, DNA bank
Health parameters studied	Health event/morbidity Health event/mortality Quality of life/health perception
<b>Procedures</b>	
Data collection method	Self-questionnaire: paper form Clinical exams: hand written step Biological exams: direct entry
Quality procedure(s) used	Coherence request after computer data entry. Missing data asked back to the original file. Subjects remainders for follow-up visits. Quality audit realization: external audits every year. Other quality procedures: regular audit (once a month by Inserm). Patients are informed about the use of their data.
Participant monitoring	Yes
Monitoring procedures	Monitoring by contact with the participant (mail, e-mail, telephone etc.) Monitoring by contact with the referring doctor

Monitoring by crossing with a medical-administrative database

Details on monitoring of participants Follow-up duration : 10 years at least; self-reported health and health events (cardiovascular, cancer, mortality) by questionnaire subsequently validated by independent adjudication committee

Followed pathology ? - Death from any cause

IX - Diseases of the circulatory system

II - Neoplasms

Links to administrative sources Yes

Linked administrative sources (detail) CépiDC; SNIRAM and PMSI (to be done)

## Promotion and access

### Promotion

Link to the document <http://www.ncbi.nlm.nih.gov/pubmed/?term=%28%28%22Study+III%22+OR+%22Study+3%22%29+AND+%22paris+prospective+study%22%29>

Description List of publications in Pubmed

Link to the document [EPP3-Publications list-Nov2019.pdf](#)

Description Scientific publication list by Nov 28-2019

### Access

Presence of document that lists variables and coding procedures Yes

Terms of data access (charter for data provision, format of data, availability delay) Possible data utilization by academic teams: access conditions provided by a written convention. Possible use for industrial sector: contractual access conditions. Steering committee contact : pps3.u970@inserm.fr or jean-philippe.empana@inserm.fr

Access to aggregated data Access on specific project only

Access to individual data Access on specific project only