Mona Lisa - PREDOR - Prediction of Damage to Organs: Prospective Cohort Study in The General Population on Brain and Cardiovascular Ageing

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General

Identification

Detailed name	Prediction of Damage to Organs: Prospective Cohort Study in The General Population on Brain and Cardiovascular Ageing
Sign or acronym	Mona Lisa - PREDOR
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL

General Aspects

Medical area	Cardiology Geriatrics Neurology
Keywords	Prediction, alteration, response to cognitive and psychometric tests, seven years, predictive factors, cardiovascular risk

Scientific investigator(s) (Contact)

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Unit	UMR 1027 (Epidémiologie et analyses en Santé Publique) Equipe 3 (Epidémiologie de l'athérosclérose et des maladies cardiovasculaires)
Organization	CHU
Name of the director	Ferrières
Surname	Jean

Collaborations

Funding

Funding status	Mixed
Details	Crédits de revitalisation, Appel d'Offres Local Délégation à la Recherche Clinique et l'Innovation, CHU de Toulouse, Industrie

Governance of the database

Sponsor(s) or organisation(s) responsible	CHU Toulouse
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 population file
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	1,200 subjects (men and women) between 42 and 79 years of age, living in Haute-Garonne, randomly selected from 1,600 subjects who participated in the MONA LISA survey in 2005. 300 subjects (men and women) between 80 and 89 years of age, living in Haute-Garonne, recruited de novo by random selection from electoral registers.

Database objective

Main objective	Main objectives: - To identify predictors of impaired response to psychometric and cognitive tests and an altered level of cardiovascular risk over a period of seven years. - To develop corresponding risk prediction formulas. Secondary objectives: - To compare responses to psychometric and cognitive tests according to age. - To assess the prevalence of fragility syndrome according to age. - To assess the prevalence of dependency in subjects over 60 years old. - To identify predictive factors of the onset of fragility syndrome or dependency from a follow-up initiated in 2012. - On a sub-sample of 500 subjects that have undergone cerebral imaging (PET scan + MRI): - To assess the prevalence of the presence of cerebral amyloid deposits in the general population according to age. - To quantify the significance of cerebral amyloid deposits in terms of age. - To describe the relationship between cerebral amyloid deposits and response to psychometric and cognitive tests. - To identify factors associated with the presence of cerebral amyloid deposits.
Inclusion criteria	Subjects between 42 and 89 years old, from both genders, living in Haute-Garonne, randomly selected from electoral registers and covered by a social security scheme of equivalent.

Population type

Age	Adulthood (45 to 64 years) Elderly (65 to 79 years) Great age (80 years and more)
Population covered	General population
Gender	Male Woman
Geography area	Departmental
French regions covered by the database	Languedoc-Roussillon Midi-Pyrénées
Detail of the geography area	Haute-Garonne

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)	2012

Size of the database	
Size of the database (number of individuals)	[1000-10 000[individuals
Details of the number of individuals	1500
Data	
Database activity	Current data collection
Type of data collected	Clinical data Paraclinical data Biological data Administrative data
Clinical data (detail)	Medical registration
Paraclinical data (detail)	Psychometric and cognitive tests (storage and retrieval of words, Wechsler Adult Intelligence Survey - Digit Symbol Substitution Subtest (WAISS-DSST), Stroop test, verbal fluency test) (Mini Mental State Examination (MMSE)), and for cognitive impairment cases: Alzheimer's Disease Assessment Scale-Cognitive (ADAS-COG) and Clinical Dementia Rating (CDR)), as well as an assessment of frailty syndrome (Fried criteria) and dependence (basic Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL))
Biological data (detail)	Glucose, haemoglobin A1c, lipid profile, creatinine, transaminases, insulin level, ECG, measurement of body fat
Administrative data (detail)	Socio-economic and demographic characteristics, education level, personal and family medical history
Presence of a biobank	Yes
Contents of biobank	Serum Plasma DNA
Details of biobank content	Serum, plasma, DNA
Health parameters studied	Health event/morbidity Health event/mortality Health care consumption and services
Care consumption (detail)	Medical/paramedical consultation Medicines consumption

Procedures	
Data collection method	During clinical examination: weight, height, waist and hip measurement, heart rate, arterial blood pressure, systolic blood pressure index
Participant monitoring	Yes
Details on monitoring of participants	Annual follow-up from 2012 and re-evaluation in 5 years
Links to administrative sources	No

Promotion and access

Promotion	
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/?term=MONA+LISA+AND+Bongard+V+%5BAuthor%5D
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/23275371
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/24083967
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/23527913
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/23275371
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/24083967

Access	
Terms of data access (charter for data provision, format of data, availability delay)	Publications
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only