

# PERICLES - Mild Head Trauma and Post-Concussion Syndrome. Study of Outcome at 5 years.

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| General                                                                                                                  |                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Identification                                                                                                           |                                                                                                                                            |
| Detailed name                                                                                                            | Mild Head Trauma and Post-Concussion Syndrome. Study of Outcome at 5 years.                                                                |
| Sign or acronym                                                                                                          | PERICLES                                                                                                                                   |
| CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation | CPP n°2007/49 - 2007-A00807-46 CCP SUD-OUEST ET OUTRE MER III                                                                              |
| General Aspects                                                                                                          |                                                                                                                                            |
| Medical area                                                                                                             | Traumatology                                                                                                                               |
| Others (details)                                                                                                         | Head trauma, post-concussion syndrome                                                                                                      |
| Keywords                                                                                                                 | post-concussion syndrome, Prevalence, follow-up, symptoms, predictive factors                                                              |
| Scientific investigator(s) (Contact)                                                                                     |                                                                                                                                            |
| Name of the director                                                                                                     | Lagarde                                                                                                                                    |
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| Unit                                                                                                                     | U897 PRÉVENTION ET PRISE EN CHARGE DES TRAUMATISMES ( Equipe de l'ISPED - Institut de Santé Publique, d'Epidémiologie et de Développement) |
| Organization                                                                                                             | INSERM - Institut National de la Santé et de la                                                                                            |

## Recherche

Name of the director Ribéreau- Gayon

Surname Régis

### Collaborations

### Funding

Funding status Mixed

Details PHRC Local - Fondation Réunica

### 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

Additional information regarding sample selection. Enrolment request at emergency department

### Database objective

Main objective To comparatively measure the prevalence of post-concussion symptoms at 5 years and to determine predictive factors.

Inclusion criteria Upon adult admission to the emergency department of CHU de Bordeaux, requests to participate in the study were made to: - all patients with mild head trauma presenting one of more signs of severity (Glasgow score of 15, 14 or 13). -

a sample of patients who received a blow to the head without other signs of severity. - case-controls matched according to case age and gender, chosen from patients in the emergency unit for pathologies that did not involve head trauma or potential consequences of the same.

## Population type

Age  
Adulthood (19 to 24 years)  
Adulthood (25 to 44 years)  
Adulthood (45 to 64 years)

Population covered  
Sick population

Gender  
Male  
Woman

Geography area  
Regional

French regions covered by the database  
Aquitaine Limousin Poitou-Charentes

Detail of the geography area  
Aquitaine

## Data collection

### Dates

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

Date of last collection (YYYY or MM/YYYY)  
2008

## Size of the database

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

Details of the number of individuals  
3459

## Data

Database activity  
Current data collection

Type of data collected  
Clinical data  
Declarative data

Clinical data (detail)  
Direct physical measures

|                            |                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Declarative data (detail)  | Paper self-questionnaire                                                                                                      |
| Presence of a biobank      | Yes                                                                                                                           |
| Contents of biobank        | Serum                                                                                                                         |
| Details of biobank content | The blood sample remainder taken during standard routine treatment was used to measure the level of S100B protein.            |
| Health parameters studied  | Health event/morbidity<br>Health event/mortality<br>Health care consumption and services<br>Quality of life/health perception |
| Care consumption (detail)  | Hospitalization<br>Medical/paramedical consultation                                                                           |

## Procedures

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data collection method                | Medical examinations and brain CT scans for cases were conducted in the normal course of treatment for people admitted to the emergency department. Participants answered a questionnaire (M0 questionnaire) in order to assess quality of life before the accident and the existence of common functional symptoms during their time in the emergency department. Patients were contacted again at 3 and 12 months (M3 and M12) after enrolment. In order to obtain standardised quantitative information on the patient's status after returning home, the initial M0 questionnaire and M3 and M12 questionnaires were prepared by adapting the 3 questionnaires below: the "Rivermead Post-Concussion Symptoms Questionnaire" (RSQ), the "Rivermead Head Injury Follow Up Questionnaire" and part of the ?Short Form 36 Health Questionnaire? (SF36). The last part of these questionnaires is devoted to the evaluation of post-traumatic stress and disabilities regarding daily life activities. |
| Participant monitoring                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Details on monitoring of participants | 3 and 12 months after enrolment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Links to administrative sources       | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Promotion and access

### Promotion

## Access

Terms of data access (charter for data provision, format of data, availability delay)

Data are available for other researchers in accordance with agreement by the investigating parties.

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only