

# - Case-Control Study on the Impact of Bottom-Up and Top-Down Negative Emotion Generation on Memory Formation Among Healthy and Traumatized Adolescents

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## General

### Identification

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|--|--|
| Detailed name  | Case-Control Study on the Impact of Bottom-Up and Top-Down Negative Emotion Generation on Memory Formation Among Healthy and Traumatized Adolescents |
| CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation | --   |

### General Aspects

|              |   |
|--------------|---|
| Medical area | Neurology<br>Psychology and psychiatry<br>Radiology and medical imaging |
|--------------|---|

|          |   |
|----------|---|
| Keywords | emotion, perceptual, conceptual, memory, attention, PTSD, adolescents |
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### Scientific investigator(s) (Contact)

|                      |                                  |
|----------------------|----------------------------------|
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| Unit                 | INSERM U1077                     |
| Organization         | Université de                    |

### Collaborations

### Funding

|  |  |
|--|--|
| Funding status   | Mixed  |
| Details  | Caen University, Caen UHC, INSERM, Mutuelle Générale de l'Education Nationale mutual insurance company and the Caen education authority.   |
| Governance of the database   |  |
| Sponsor(s) or organisation(s) responsible                              | CHU Caen   |
| Organisation status  | Public   |
| Sponsor(s) or organisation(s) responsible                              | Université de Caen   |
| Organisation status  | Public   |
| Sponsor(s) or organisation(s) responsible                              | INSERM   |
| Organisation status  | Public   |
| Additional contact   |  |
| Main features  |  |
| Type of database   |  |
| Type of database   | Study databases  |
| Study databases (details)  | Case control 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.                     | - Patients were recruited for the case-control survey through the University Hospital of Caen and from social centres in the départements of South Corsica, Nord and Calvados.   |
| Database objective   |  |
| Main objective   | The aim of the study is to investigate the influence of bottom-up and top-down processes in the generation of emotions and their effect on attention and memory, and to assess the differential impact of attention deficits on memory through a case- |

control survey of traumatised adolescents with attentional bias.

|                    |  |
|--------------------|--|
| Inclusion criteria | <ul style="list-style-type: none"><li>- Individuals with a post-traumatic stress disorder with no stress for at least a year;</li><li>- Individuals with no other neurological, psychiatric or learning disorders;</li><li>- No intellectual disability;</li><li>- Not taking medication;</li><li>- Native level French;</li><li>- Signed consent form (parents and children).</li></ul> |
|--------------------|--|

## Population type

|     |   |
|-----|---|
| Age | Childhood (6 to 13 years)<br>Adolescence (13 to 18 years)<br>Adulthood (19 to 24 years) |
|-----|---|

|                    |                    |
|--------------------|--------------------|
| Population covered | General population |
|--------------------|--------------------|

|        |               |
|--------|---------------|
| Gender | Male<br>Woman |
|--------|---------------|

|                |          |
|----------------|----------|
| Geography area | National |
|----------------|----------|

|                              |  |
|------------------------------|--|
| Detail of the geography area | Corsica, Nord and Calvados départements. |
|------------------------------|--|

## Data collection

### Dates

|  |      |
|--|------|
| Date of first collection (YYYY or MM/YYYY) | 2007 |
|--|------|

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

### Size of the database

|  |                   |
|--|-------------------|
| Size of the database (number of individuals) | < 500 individuals |
|--|-------------------|

|                                      |   |
|--------------------------------------|---|
| Details of the number of individuals | - 25 case adolescents (with post-traumatic stress) and 24 case-control adolescents. |
|--------------------------------------|---|

## Data

|                   |                           |
|-------------------|---------------------------|
| Database activity | Data collection completed |
|-------------------|---------------------------|

|                        |               |
|------------------------|---------------|
| Type of data collected | Clinical data |
|------------------------|---------------|

|                        |                      |
|------------------------|----------------------|
| Clinical data (detail) | Medical registration |
|------------------------|----------------------|

|   |   |
|---|---|
| Details of collected clinical data  | Test on generated emotions by viewing moderately negative photos; attention and recognition tests.  |
| Presence of a biobank   | No  |
| Health parameters studied   | Health event/morbidity<br>Others  |
| Other (detail)  | Memory, attention.  |
| Procedures  |   |
| Participant monitoring  | No  |
| Links to administrative sources   | No  |
| Promotion and access  |   |
| Promotion   |   |
| Link to the document  | <a href="http://www.sciencedirect.com/science/article/pii/S0928425713000065">http://www.sciencedirect.com/science/article/pii/S0928425713000065</a> |
| Access  |   |
| Terms of data access (charter for data provision, format of data, availability delay) | Contact the scientist in charge.  |
| Access to aggregated data   | Access on specific project only   |
| Access to individual data   | Access on specific project only   |