

- Cross-sectional study of the influence of exposure to glycol ethers on semen quality

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General

Identification

Detailed name Cross-sectional study of the influence of exposure to glycol ethers on semen quality

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CNIL

General Aspects

Medical area Disability/handicap
Endocrinology and metabolism
Occupational Medicine

Pathology (details) male infertility

Health determinants Genetic
Intoxication
Occupation
Pollution

Keywords glycol ethers, sperm, semen, Paris, occupational exposure, toxicology

Scientific investigator(s) (Contact)

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Unit Inserm U625

Organization Institut National de la Santé et de la Recherche Médicale, Université Rennes

Collaborations

Funding

Funding status Public

Details Institut National de la Santé et de la Recherche Médicale - Ministry of the Environment

Governance of the database

Sponsor(s) or organisation(s) responsible Institut National de la Santé et de la Recherche Médicale

Organisation status Public

Sponsor(s) or organisation(s) responsible Université Rennes 1

Organisation status Public

Additional contact

Main features

Type of database

Type of database Study databases

Study databases (details) Not-repeated cross-sectional studies (except case control studies)

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. The sample is made up of employees of the city of Paris. Men who do not have risk factors for infertility and who have not been exposed to agents that can alter semen quality other than glycol ethers were selected.

Database objective

Main objective To research the effect of past and current exposure to glycol ethers on semen quality.

| | |
|--------------------|--|
| Inclusion criteria | <ul style="list-style-type: none"> - homme - âgé entre 20 et 55 ans - employé de la ville de Paris - n'ayant pas de facteurs de risque d'infertilité |
|--------------------|--|

Population type

| | |
|-----|--|
| Age | <ul style="list-style-type: none"> Adulthood (19 to 24 years) Adulthood (25 to 44 years) Adulthood (45 to 64 years) |
|-----|--|

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

Pathology

| | |
|--------|------|
| Gender | Male |
|--------|------|

| | |
|----------------|-------|
| 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) | 2000 |
|--|------|

| | |
|---|------|
| Date of last collection (YYYY or MM/YYYY) | 2001 |
|---|------|

Size of the database

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

| | |
|--------------------------------------|-----|
| Details of the number of individuals | 109 |
|--------------------------------------|-----|

Data

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

| | |
|------------------------|---|
| Type of data collected | <ul style="list-style-type: none"> Declarative data Biological data |
|------------------------|---|

| | |
|---------------------------|--------------------------|
| Declarative data (detail) | Paper self-questionnaire |
|---------------------------|--------------------------|

| | |
|----------------------------------|---|
| Details of collected declarative | Questioned regarding their career path over the |
|----------------------------------|---|

| | |
|---------------------------|---|
| data | course of 1999-2000 and regarding the products handled in the context of their professional or non-professional activities. |
| Biological data (detail) | Seminogram |
| Presence of a biobank | No |
| Health parameters studied | Others |
| Other (detail) | Sperm quality |

Procedures

| | |
|---------------------------------|---|
| Data collection method | Collection of data on the chemical composition of the products used by the city of Paris. An industrial health officer validated the correspondence between the activities described by the participants and the categories of products used. |
| Participant monitoring | No |
| Followed pathology | |
| Links to administrative sources | No |

Promotion and access

Promotion

| | |
|----------------------|---|
| Link to the document | http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2078482/#__ffn_sectitle |
| Description | Glycol ethers and semen quality: a cross-sectional study among male workers in the Paris Municipality |
| Link to the document | http://www.ncbi.nlm.nih.gov/pubmed/?term=Glycol+ethers+AND+semen+AND+Paris+AND+Multigner+L+[Author] |
| Description | List of publications in Pubmed |

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 |