

pesticide exposure in Parkinsons disease

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Several Parkinson patients who live in the same small rural region with a small population (only 70 inhabitants) reported a remarkable prevalence of parkinsons disease (of about 10 patients) in their villag. The expected prevalence of parkinsons...

Ethical review	Approved WMO
Status	Pending
Health condition type	Movement disorders (incl parkinsonism)
Study type	Observational invasive

Summary

ID

NL-OMON30332

Source

ToetsingOnline

Brief title

pesticides in PD

Condition

- Movement disorders (incl parkinsonism)

Synonym

paralysis agitans, Parkinsons disease

Research involving

Human

Sponsors and support

Primary sponsor: Sint Elisabeth Ziekenhuis

Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: genetics, parkinson, pesticides

Outcome measures

Primary outcome

observational

Secondary outcome

2

Study description

Background summary

Parkinson's disease is a chronic progressive disease, with rigidity, bradykinesia, tremor and impaired balance, mainly due to degeneration of dopaminergic neurons in the substantia nigra. Genetic factors account for a minority of cases, in most cases the etiology remains enigmatic.

Recent studies suggest a multifactorial etiology, with genetic and environmental factors, including pesticides. Some pesticides have evoked substantia nigra damage in experimental studies.

Study objective

Several Parkinson patients who live in the same small rural region with a small population (only 70 inhabitants) reported a remarkable prevalence of parkinsons disease (of about 10 patients) in their villag. The expected prevalence of parkinsons disease is about 3 per 1000. Corrected for age the prevalence is still remarkable. Some of these patients have asked for investigation of environmental or genetic factors.

Study design

A single standardised interview of demographics, intoxications, medical history, domestic and professional history, water consumption en exposure to pesticides, family history and pedigree in case of familial parkinson occurrence. This population will be investigated for know genetic riskfactors for parkinsons disease or for susceptibility to pesticides.

Study burden and risks

vein puncture and interview

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

Parkinsons disease

Exclusion criteria

no relation with topographical region of interest

Study design

Design

Study type: Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Basic science

Recruitment

NL

Recruitment status: Pending

Start date (anticipated): 01-09-2006

Enrollment: 10

Type: Anticipated

Ethics review

Approved WMO

Date: 18-10-2006

Application type: First submission

Review commission: METC Brabant (Tilburg)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register

CCMO

ID

NL14067.008.06