

# Course of HIV-infection with different routes of transmission

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To examine the transmission of HIV variants. Have 1 or more viruses been transmitted? To examine the course of HIV-infection. Are differences in the course of HIV infection with same type viruses caused by genetic host factors? Course more unfavourable...

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Pending
<b>Health condition type</b>	Immunodeficiency syndromes
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON30906

### Source

ToetsingOnline

### Brief title

HIV infection after different transmission routes

### Condition

- Immunodeficiency syndromes
- Viral infectious disorders

### Synonym

HIV AIDS

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Universitair Medisch Centrum Groningen

**Source(s) of monetary or material Support:** tegoeden opgebouwd door participatie in industrie-gesponsorde trials

## Intervention

**Keyword:** Etiology, HIV, Transmission, Virology

## Outcome measures

### Primary outcome

Is there a difference in the course of HIV infection measured by viral load and number of CD4+ cells in the contact persons of the sex parties compared to the control group

Are there differences in progression of HIV disease between persons infected with the same strain of HIV that can be explained by host genetic factors

### Secondary outcome

Not applicable

## Study description

### Background summary

In 2006 more patients with an acute HIV infection have been seen than in previous years in the outpatient clinic Infectious Diseases of the UMCG . A number of these patients indicated that they had participated in so called sex parties. In some of these patients the course of HIV infection was more unfavourable than we generally see after acute HIV infection.

In May 2007 it was known via pressmedia that a group of persons who organised these sex parties were HIV-seropositive (the indexpersons) and that they deliberately infected participating persons with HIV (the contactpersons). They would have done this by practising unsafe sex with persons who were under the influence of drugs. In addition they would have injected their own blood in some participants.

### Study objective

To examine the transmission of HIV variants.

Have 1 or more viruses been transmitted?

To examine the course of HIV-infection.

Are differences in the course of HIV infection with same type viruses caused by genetic host factors

Course more unfavourable if more viruses have been transmitted?

Course influenced by transmission route or quantity of the inoculum?

## **Study design**

Interview with the help of a semi-structured questionnaire to record way of infection and to get information where infection took place and by whom infection was caused.

To collect data about the course of the different HIV-infections.

Molecular virologic analysis of strains of HIV in the trial persons to examine viral correlation and possible coinfection with more strains of HIV.

To identify host genetic factors in the immune system with a demonstrable effect on the course of the HIV infection.

## **Study burden and risks**

Apart from answering the questionnaire and collecting 28 ml blood extra during the usual routine controls there is no burden.

## **Contacts**

### **Public**

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

Participant of sex party

Patient with acute HIV infection after 1-1-05

### Exclusion criteria

Not applicable

## Study design

### Design

Study type: Observational invasive

Intervention model: Other

Allocation: Non-randomized controlled trial

Masking: Open (masking not used)

**Primary purpose:** Basic science

### Recruitment

NL

Recruitment status: Pending

Start date (anticipated): 01-07-2007

Enrollment: 45  
Type: Anticipated

## Ethics review

Approved WMO  
Application type: First submission  
Review commission: METC Universitair Medisch Centrum Groningen (Groningen)

## 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	ID
CCMO	NL18436.042.07