

# Interactions between tumor cells and lymphocytes in classical Hodgkin lymphoma

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To study the interaction between normal T lymphocytes and Hodgkin tumor cells in an in vitro model.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Lymphomas Hodgkin's disease
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON46768

### Source

ToetsingOnline

### Brief title

Lymphocytes in classical Hodgkin lymphoma

### Condition

- Lymphomas Hodgkin's disease

### Synonym

classical Hodgkin lymphoma; Hodgkin disease

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Pathologie en Medische Biologie

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

## Intervention

**Keyword:** HLA, Hodgkin lymphoma, Interaction, Lymphocytes

## Outcome measures

### Primary outcome

Disentangling mechanisms of interaction between lymphocytes and Hodgkin tumor cell lines in vitro.

### Secondary outcome

geen

## Study description

### Background summary

Hodgkin lymphoma is a specific type of lymphoma in which T lymphocytes are known to play an important role in its pathogenesis. These T lymphocytes are directly surrounding the tumor cells. The reason for this interaction is unclear and it is puzzling why the tumor cells are not killed. Instead of killing, the T lymphocytes actually strongly support the survival and growth of the tumor cells. We have developed an in vitro model in which normal T lymphocytes from blood are allowed to react with Hodgkin lymphoma tumor cell lines. With this model initiation and mechanisms of interaction can be studied. The Human Leukocyte Antigen is expected to be important.

### Study objective

To study the interaction between normal T lymphocytes and Hodgkin tumor cells in an in vitro model.

### Study design

Human leukocyte antigen matched lymphocytes from healthy individuals will be added to Hodgkin cell lines in vitro. Interaction between the cells will be measured by timing and showing which molecules are involved.

### Study burden and risks

Burden and risk of routine venapuncture are very low.

## Contacts

### Public

Selecteer

Hanzeplein 1  
Groningen 9700RB  
NL

### Scientific

Selecteer

Hanzeplein 1  
Groningen 9700RB  
NL

## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

Age > 18 years

Ability to give written informed consent

HLA type known

### Exclusion criteria

active infectious, autoimmune or malignant disease

## Study design

### Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Other

### Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 22-10-2018

Enrollment: 30

Type: Actual

## Ethics review

Approved WMO

Date: 19-07-2018

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

CCMO

### ID

NL64963.042.18