

# The effect of GRT test compounds on spontaneous cytokine expression by lesional psoriasis explants in vitro.

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The aim of the project is to study the effect of GRTs on the synthesis and cytokine release in psoriasis lesions. This information can establish the right formulation and dose of GRTs for further research.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Epidermal and dermal conditions
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON45534

### Source

ToetsingOnline

### Brief title

The effect of GRTs on cytokine expression in psoriasis

### Condition

- Epidermal and dermal conditions

### Synonym

Psoriasis

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Derphartox

**Source(s) of monetary or material Support:** farmaceutische industrie

## Intervention

**Keyword:** cytokine, expression, psoriasis

## Outcome measures

### Primary outcome

Cytokine synthesis and release after treatment with GRTs.

### Secondary outcome

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## Study description

### Background summary

Psoriasis is an autoimmune disease in which proinflammatory protein mediators, released by skin cells and infiltrating cells, cause an abnormal cell division and differentiation. It may be possible to treat psoriasis using drugs aimed at preventing the synthesis of such mediators.

### Study objective

The aim of the project is to study the effect of GRTs on the synthesis and cytokine release in psoriasis lesions. This information can establish the right formulation and dose of GRTs for further research.

### Study design

Lesional skin biopsies of 3 mm in diameter will be treated with GRTs in vitro. By measuring the effect of the cytokine synthesis and release, it is possible to establish the right formulation and dose of the GRTs for further research.

### Study burden and risks

The health risks associated with taking skin biopsies are small. It is possible to obtain a slight scar formation and/or discolouration at the site of the biopsy punch.

## Contacts

### Public

Derphartox

Wytemaweg 80  
Rotterdam 3015 CN  
NL

### Scientific

Derphartox

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

Patients with moderate to severe psoriasis

### Exclusion criteria

Volunteers undergoing UV/light therapy or taking systemic drugs such as cyclosporin A or methotrexate

Volunteers using local topical corticosteroids

Volunteers developing psoriasis at wound sites (Köbner phenomenon)

## Study design

### Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Other

### Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 03-07-2017

Enrollment: 5

Type: Actual

## Ethics review

Approved WMO

Date: 16-05-2017

Application type: First submission

Review commission: METC Leiden-Den Haag-Delft (Leiden)

metc-ldd@lumc.nl

## 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

NL61323.098.17