The effect of Spherical Nucleic Acids on target gene expression in full thickness biopsies taken from lesional skin of volunteers with psoriasis vulgaris.

Published: 16-12-2015 Last updated: 19-04-2024

The specific aim of the project is to determine the efficacy of Spherical Nucleic Acids (SNAs), delivered in a gel, on psoriasis skin biopsy gene expression in vitro.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Autoimmune disorders
Study type	Observational invasive

Summary

ID

NL-OMON42764

Source ToetsingOnline

Brief title

The effect of SNA on psoriasis skin gene expression.

Condition

- Autoimmune disorders
- Epidermal and dermal conditions

Synonym psoriasis

Research involving Human

Sponsors and support

Primary sponsor: Exicure, Inc

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Source(s) of monetary or material Support: industry

Intervention

Keyword: expression, gene, psoriasis

Outcome measures

Primary outcome

Psoriasis skin gene expression

Secondary outcome

None

Study description

Background summary

Psoriasis is an auto-immune skin disease in which pro-inflammatory 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 specific aim of the project is to determine the efficacy of Spherical Nucleic Acids (SNAs), delivered in a gel, on psoriasis skin biopsy gene expression in vitro.

Study design

The 4mm diameter lesional skin biopsies will be treated with the test preparations in vitro and epidermal RNA isolated. Analysis of the RNA will allow the company to see if their preparation down-regulates expression of pro-inflammatory genes involved in the pathogenesis of psoriasis

Study burden and risks

The health risks associated with this research are small, possibly slight scar formation at biopsy sites. The healed sites may be psoriasis free.

Contacts

Public Exicure, Inc

8045 Lamon Ave Ste 410 Skokie IL 60077 US **Scientific** Exicure, Inc

8045 Lamon Ave Ste 410 Skokie IL 60077 US

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years) Elderly (65 years and older)

Inclusion criteria

Patients with psoriasis vulgaris, moderate to severe.

Exclusion criteria

-Volunteers undergoing light therapy or taking systemic drugs such as methotrexate or cyclosporine A.

-Volunteers using local topical corticosteroids.

-Volunteers who develop psoriasis at wound sites (Köbner phenomenon).

-Volunteers with atopic dermatitis/eczematous skin conditions.

-Pregnancy

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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):	17-02-2016
Enrollment:	8
Туре:	Actual

Ethics review

Approved WMO	
Date:	16-12-2015
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.

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In other registers

Register

ССМО

ID NL55517.098.15