

Omega 3 fatty acids in skin cell protection from ultraviolet damage

Submission date 29/04/2010	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
Registration date 29/04/2010	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
Last Edited 12/04/2017	Condition category Skin and Connective Tissue Diseases	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Miss Suzanne Pilkington

Contact details
Photobiology Unit
Dermatological Sciences
Hope Hospital
Stott Lane
Salford
United Kingdom
M6 8HD

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
4953

Study information

Scientific Title

Omega 3 fatty acids in skin cell protection from ultraviolet damage

Study objectives

Examination into the photoprotective potential of topically applied omega-3 fatty acids. Changes in the parameters of short- and long-term UV-damage will be assessed. This includes analysis of the sunburn response, bioavailability of fatty acids, expression of lipid mediators and expression of p53 and collagen.

Ethics approval required

Old ethics approval format

Ethics approval(s)

MREC approved, ref: 08/H1004/19

Study design

Non-randomised interventional trial

Primary study design

Interventional

Secondary study design

Non randomised controlled trial

Study setting(s)

Hospital

Study type(s)

Not Specified

Participant information sheet

Health condition(s) or problem(s) studied

Topic: Skin; Subtopic: Skin (all Subtopics); Disease: Dermatology

Interventions

Topical agents containing low doses of omega-3 fatty acids applied to the skin

Intervention Type

Other

Phase

Not Specified

Primary outcome measure

To measure changes in the erythema response to UVR in the skin

Secondary outcome measures

1. To measure changes in levels of bioactive mediators derived from fatty acids in the skin in response
2. To measure changes in the fatty acid levels in the skin

Overall study start date

01/04/2008

Completion date

30/09/2011

Eligibility

Key inclusion criteria

1. White Caucasian, either sex
2. Aged between 20 and 60 years old
3. Skin type 1 to 3

Participant type(s)

Patient

Age group

Adult

Sex

Both

Target number of participants

Planned Sample Size: 64

Key exclusion criteria

1. Taking photoactive or anti-inflammatory medication
2. History of photosensitivity
3. History of skin cancer
4. Pregnant or breast feeding
5. Taking omega-3 supplements
6. Sunbathed in past 3 months

Date of first enrolment

01/04/2008

Date of final enrolment

30/09/2011

Locations

Countries of recruitment

England

United Kingdom

Study participating centre
Photobiology Unit
Salford
United Kingdom
M6 8HD

Sponsor information

Organisation
University of Manchester (UK)

Sponsor details
Oxford Road
Manchester
England
United Kingdom
M13 9PL

Sponsor type
University/education

Website
<http://www.manchester.ac.uk/>

ROR
<https://ror.org/027m9bs27>

Funder(s)

Funder type
Research council

Funder Name
Biotechnology and Biological Science Research Council (BBSRC) (UK)

Funder Name
Croda International Plc (UK)

Results and Publications

Publication and dissemination plan

Not provided at time of registration

Intention to publish date**Individual participant data (IPD) sharing plan****IPD sharing plan summary**

Not provided at time of registration