

Blackcurrant seed oil for prevention of atopic allergy

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| Submission date 23/09/2009 | Recruitment status No longer recruiting | <input type="checkbox"/> Prospectively registered |
| | | <input type="checkbox"/> Protocol |
| Registration date 19/11/2009 | Overall study status Completed | <input type="checkbox"/> Statistical analysis plan |
| | | <input checked="" type="checkbox"/> Results |
| Last Edited 22/02/2013 | Condition category Skin and Connective Tissue Diseases | <input type="checkbox"/> Individual participant data |

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Prof Johannes Savolainen

Contact details
Department of Clinical Allergology
University of Turku
Turku
Finland
20100

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
N/A

Study information

Scientific Title

Blackcurrant seed oil for prevention of atopic allergy: a double-blind placebo-controlled clinical trial

Study objectives

Dietary supplementation with blackcurrant seed oil increases the intake of n-3 and n-6 essential fatty acids, especially the intake of gamma-linolenic acid and stearidonic acid and reduces the risk of atopic allergy in infants.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethical Committee of the Hospital District of South West Finland approved on the 24th August 2003

Study design

Double-blind placebo-controlled clinical trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Other

Study type(s)

Treatment

Participant information sheet

Not available in web format, please use the contact details below to request a patient information sheet

Health condition(s) or problem(s) studied

Atopic dermatitis

Interventions

Blackcurrant seed oil was given to pregnant mothers and newborn infants for the first 24 months of life. Control group received olive oil as placebo. The mothers were given capsules, 3 g per day and born children olive oil as liquid 1 ml per day. The dosages were the same as that of the active group.

Intervention Type

Drug

Phase

Not Applicable

Drug/device/biological/vaccine name(s)

Blackcurrant seed oil

Primary outcome measure

Prevalence of atopic dermatitis by the age of 12 months

Secondary outcome measures

No secondary outcome measures

Overall study start date

12/05/2004

Completion date

23/01/2008

Eligibility

Key inclusion criteria

1. Mothers during 8th to the 16th weeks of pregnancy
2. Aged between 19 - 43 years of age

Participant type(s)

Patient

Age group

Adult

Sex

Female

Target number of participants

294

Key exclusion criteria

1. Premature delivery
2. Need for neonatal intensive care

Date of first enrolment

12/05/2004

Date of final enrolment

23/01/2008

Locations

Countries of recruitment

Finland

Study participating centre

Department of Clinical Allergology

Turku

Finland

20100

Sponsor information

Organisation

University of Turku (Finland)

Sponsor details

Department of Food Chemistry

Turun yliopisto

Turku

Finland

20014

Sponsor type

University/education

Website

<http://www.utu.fi/en/>

ROR

<https://ror.org/05vghhr25>

Funder(s)

Funder type

Government

Funder Name

Ministry of Agriculture and Forestry (Finland)

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

Study outputs

| Output type | Details | Date created | Date added | Peer reviewed? | Patient-facing? |
|---------------------------------|---------|--------------|------------|----------------|-----------------|
| Results article | results | 01/08/2010 | | Yes | No |