Blackcurrant seed oil for prevention of atopic allergy

Submission date	Recruitment status	Prospectively registered		
23/09/2009	No longer recruiting	☐ Protocol		
Registration date	Overall study status	Statistical analysis plan		
19/11/2009	Completed	[X] Results		
Last Edited	Condition category	[] Individual participant data		
22/02/2013	Skin and Connective Tissue Diseases			

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Contact details

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Additional identifiers

Protocol serial number

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

Study type(s)

Treatment

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(s)

Prevalence of atopic dermatitis by the age of 12 months

Key secondary outcome(s))

No secondary outcome measures

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

Healthy volunteers allowed

No

Age group

Adult

Sex

Female

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)

ROR

https://ror.org/05vghhr25

Funder(s)

Funder type

Government

Funder Name

Ministry of Agriculture and Forestry (Finland)

Results and Publications

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
Participant information sheet	Participant information sheet	11/11/2025 11/11/2025	No	Yes