

E-health in caring for patients with atopic dermatitis. An economic evaluation comparing usual care with internet-guided monitoring and self-management training by a nurse practitioner.

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Registration date 19/07/2006	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 08/01/2021	Condition category Skin and Connective Tissue Diseases	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
NL556, NTR612

Study information

Scientific Title

E-health in caring for patients with atopic dermatitis. An economic evaluation comparing usual care with internet-guided monitoring and self-management training by a nurse practitioner.

Study objectives

We hypothesize that e-health, consisting of internet-guided monitoring and self management training online, for patients with atopic dermatitis (AD) combines cost savings with an improvement in quality of life.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled, parallel group trial

Primary study design

Interventional

Study type(s)

Quality of life

Health condition(s) or problem(s) studied

Atopic dermatitis

Interventions

Intervention group: E-health

E-health consists of internet-guided monitoring and self-management training.

Every patient has access to his personal website using a password. The nurse practitioner (NP) has access to this site too.

This personal website contains:

1. General information about atopic dermatitis (AD) and personal information about prescribed treatment and daily skincare
2. Monitoring information: the patient can monitor the disease using digital photographs of the skin, a self score of skin status, visual analogue scale (VAS) scores of sleeping and itching and by keeping a diary of ointment use. The NP uses the data to support patients or parents in self-management by e-mail
3. Offers the possibility for e-mail contact between the patient and NP on all working days
4. Facilitates an assessment of psychosocial aspects and consequences of having AD as part of daily living. The NP can counsel, give information or advice in individual cases.

Follow-up visits to the NP or dermatologist are possible in individual cases where e-health is inadequate.

The control group receives the usual care consisting of scheduled follow-up visits to the dermatologist and the dermatology nurse practitioner.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

1. Direct and indirect costs of care
2. Quality of life

Key secondary outcome(s)

1. Severity and extent of the AD

Completion date

01/02/2009

Eligibility

Key inclusion criteria

1. Patients with moderate or severe AD aged 16+ or parents of children aged 0 to 4
2. Who visit the outpatient dermatology department of University Medical Center, Utrecht or Erasmus Medical Center, Rotterdam for the first time
3. Patients who have internet access

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Total final enrolment

199

Key exclusion criteria

1. Oral immunosuppressive drugs
2. Ultraviolet -B (UV-B) or ultraviolet -A (UV-A) light therapy

Date of first enrolment

01/03/2006

Date of final enrolment

01/02/2009

Locations

Countries of recruitment

Netherlands

Study participating centre

University Medical Center Utrecht (UMCU)

Utrecht

Netherlands

3508 GA

Sponsor information

Organisation

University Medical Center Utrecht (UMCU), Department of Dermatology and Allergology (The Netherlands)

ROR

<https://ror.org/0575yy874>

Funder(s)

Funder type

Research organisation

Funder Name

Netherlands Organisation for Health Research and Development (ZonMw)

Alternative Name(s)

Netherlands Organisation for Health Research and Development

Funding Body Type

Private sector organisation

Funding Body Subtype

Other non-profit organizations

Location

Netherlands

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	01/05/2012	08/01/2021	Yes	No