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.

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON21006

Source
NTR

Brief title
E-health patients with atopic dermatitis.

Health condition

patients with atopic dermatitis

Sponsors and support

Primary sponsor: University Medical Centre Utrecht
Department of Dermatology
PO Box: 85500
3508 GA Utrecht
the Netherlands
Source(s) of monetary or material Support: ZonMw
Postbox 93 245

2509 AE The Hague
The Netherlands

Intervention

Outcome measures

Primary outcome

1. Direct and indirect costs of care;
2. Quality of Life.

Secondary outcome

1. Severity and extensiveness of the AD.

Study description

Background summary

The problem investigated in this proposal is the inefficiency of scheduled visits for patients with atopic dermatitis (AD) and parents of young children with AD. The subject of the study is an economic evaluation comparing usual care with e-health consisting of internet guided monitoring and self-management training by a nurse practitioner(NP) using a personal website. It is expected that the proposed intervention combines cost savings with an improvement in quality of life.
In a randomized controlled trial e-health for adults and parents of young children with AD will be compared with usual care, consisting of scheduled follow-up visits to the dermatologist and the dermatology nurse practitioner.
Primary outcome measures are direct and indirect costs of care (fixed costs of e-health service; out-patient visits; days off work by adult patients and the parents of patients with AD) and Quality of Life.
Secondary parameters are patient satisfaction and severity and extensiveness of the AD.
Data-analysis will take place at three moments (baseline, after 3 and 12 months). Based on the power calculation two times 100 patients will be sufficient. The balance between costs and effects will be addressed using a multi-criteria analysis representing all outcomes and costs for both adults and parents of children. The total duration of the project is three years: patient inclusion 1,5 year, continuation 1
year and processing data 0,5 year.

Study objective

We hypothesize that e-health, consisting of internet guided monitoring and self management

training online, for patients with atopic dermatitis combines cost savings with an improvement in quality of life.

Intervention

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. Provides monitoring information. The patient can monitor the disease using digital photographs of the skin, a self score of skin status, 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 for 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.

Contacts

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Eligibility criteria

Inclusion criteria

1. Patients with moderate or severe AD aged 16+ or parents of children aged 0 to 4;
2. Who visit the outpatient department of dermatology of the UMC Utrecht or Erasmus MC Rotterdam for the first time;
3. Who have Internet access.

Exclusion criteria

1. Oral immunosuppressive drugs;
2. UV-B / UV-A light therapy.

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	01-03-2006
Enrollment:	200
Type:	Anticipated

Ethics review

Positive opinion

Date:	20-02-2006

Application type: First submission

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.

In other registers

Register	ID
NTR-new	NL556
NTR-old	NTR612
Other	: N/A
ISRCTN	ISRCTN92520775

Study results

Summary results
N/A