

Effect of a Body Area Network (BAN) as an additional factor in a weight reduction program by patients with obesity: BANdeBuik

Submission date

19/12/2005

Recruitment status

No longer recruiting

☐ Prospectively registered

☐ Protocol

Registration date

19/12/2005

Overall study status

Completed

☐ Statistical analysis plan

☐ Results

Last Edited

03/07/2009

Condition category

Nutritional, Metabolic, Endocrine

☐ Individual participant data

☐ Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Dr M.M.M. Eijsvogel

Contact details

Medisch Spectrum Twente
Department of Pulmonology
P.O. Box 50000
Enschede
Netherlands
7500 KA

Additional identifiers

Protocol serial number

NTR353; MEC: P03-27

Study information

Scientific Title

Acronym

BANdeBuik

Study objectives

The use of a Body Area Network (BAN) in a weight reduction program has a positive effect, due to a higher compliance, on weight loss, total body fat and body fat distribution.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from the local medical ethics committee

Primary study design

Interventional

Study design

Randomised, active controlled, parallel group trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Obesity, Sleep apnoea

Interventions

Intervention group: a weight reduction program, that consists of a training schedule and a diet, and feedback on the compliance of the training schedule measured by a Body Area Network (BAN).

Control group: a weight reduction program, that consists of a training schedule and a diet.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Weight loss, measured by body weight every month.

Key secondary outcome(s)

1. Fat free mass, measured by an bio-electrical impedance analysis
2. Total body fat, measured by an bio-electrical impedance analysis
3. Body fat distribution, measured by the waist-to-hip ratio
4. Utility of the BAN, measured by an semi-structured in-depth interview

Completion date

08/09/2005

Eligibility

Key inclusion criteria

1. Body Mass Index between 30 - 40 kg/m²
2. A ratio of waist circumference to hip circumference greater than 1.0
3. Age range between 18 and 60 years old
4. A normal glucose tolerance and plasma lipid profile
5. A stable weight ($\pm$ 2kg) for 6 months before study entry
6. A minimum of 6 months without any weight reduction programs

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

Female

Key exclusion criteria

Patients will be excluded if:

1. They smoke
2. They consume more than two alcoholic drinks per day
3. They suffer from claudicate intermittent or angina pectoris
4. They have osteoarthritis of the lower extremity
5. They have active cancer, type 1 diabetes or type 2 diabetes
6. They have undergone any surgery to lose weight
7. Dietary fat reduction or exercise was contraindicated for medical reasons
8. They use medications known to affect weight gain or loss
9. They have a diagnosis of bulimia

Date of first enrolment

30/03/2003

Date of final enrolment

08/09/2005

Locations**Countries of recruitment**

Netherlands

Study participating centre

Medisch Spectrum Twente
Enschede
Netherlands
7500 KA

Sponsor information

Organisation

Medisch Spectrum Twente (Netherlands)

ROR

<https://ror.org/033xvax87>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Medisch Spectrum Twente (Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration