

Physical activity during cancer treatment (PACT) study

Submission date 17/12/2009	Recruitment status No longer recruiting	☐ Prospectively registered ☒ Protocol
Registration date 26/01/2010	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 17/07/2020	Condition category Cancer	☐ Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Prof Petra Peeters

Contact details
Universitair Medisch Centrum Utrecht
Julius Center
PO Box 85500
Utrecht
Netherlands
3508 GA
-
p.h.m.peeters@umcutrecht.nl

Additional identifiers

Protocol serial number
NTR2138

Study information

Scientific Title
A randomised clinical trial of physical exercise during cancer treatment: the PACT study

Acronym

PACT

Study objectives

We hypothesise that early physical exercise by reducing complaints of fatigue will lead to a reduction in sick leave and production losses. Altogether, we expect that physical exercise during cancer treatment will be cost-effective.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Medical Ethics Committee of the University Medical Centre Utrecht, 27/02/2008, ref: 07/271/O

Primary study design

Interventional

Study design

Multicentre pragmatic randomised controlled trial

Study type(s)

Quality of life

Health condition(s) or problem(s) studied

Breast cancer/colon cancer

Interventions

During an intake, patients will be included, baseline measurements will be taken and patients will be randomly allocated to the intervention or control group. Participants assigned to the intervention group will receive usual care in combination with an 18-week supervised group exercise program. They will be encouraged to attend the exercise program two times a week supervised by a physiotherapist.

Participants who will be assigned to the control group will receive usual care, i.e., no exercise intervention.

We will assess the short term as well as the long term effects. Short-term effects will be measured 18 weeks after inclusion (at the end of the program) and long term effects will be measured 9 months after inclusion.

Intervention Type

Behavioural

Primary outcome(s)

Measured at baseline, 18 weeks and 9 months:

1. Fatigue
2. Health service utilisation and sick leave

Key secondary outcome(s)

Measured at baseline, 18 weeks and 9 months:

1. Health related quality of life

2. Anxiety and depression
3. Physical fitness
4. Body composition
5. Cognitive behavioural aspects
6. Physical activity level

Completion date

31/12/2012

Eligibility

Key inclusion criteria

1. Recently diagnosed with breast or colon cancer (stage M0): histological diagnosis of cancer less than six (breast cancer) or ten (colon cancer) weeks ago
2. Treated with chemotherapy
3. Aged 25 - 75 years, either sex
4. Able to read and understand the Dutch language
5. Karnovsky Performance Status of 60 or higher
6. Able to walk 100 metres or more

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Total final enrolment

92

Key exclusion criteria

1. Treated for cancer in the past five years (except basal skin cancer)
2. Contraindications for physical activity (Revised Physical Activity Readiness Questionnaire)

Date of first enrolment

01/01/2010

Date of final enrolment

31/12/2012

Locations

Countries of recruitment

Netherlands

Study participating centre
Universitair Medisch Centrum Utrecht
Utrecht
Netherlands
3508 GA

Sponsor information

Organisation

The Netherlands Organisation for Health Research and Development (ZonMw) (Netherlands)

ROR

<https://ror.org/01yaj9a77>

Funder(s)

Funder type

Research organisation

Funder Name

Netherlands Organisation for Health Research and Development

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	08/06/2015		Yes	No
Results article	results	01/05/2016		Yes	No
Results article	results	08/05/2019	10/01/2020	Yes	No
Results article	follow up results	16/04/2020	17/07/2020	Yes	No
Protocol article	protocol	09/06/2010		Yes	No