

# CoCo in oncology.

No registrations found.

<b>Ethical review</b>	Not applicable
<b>Status</b>	Pending
<b>Health condition type</b>	-
<b>Study type</b>	Interventional

## Summary

### ID

NL-OMON22978

### Source

NTR

### Health condition

cancer related physical and mental symptoms

kankergelateerde fysieke en mentale symptomen

## Sponsors and support

**Primary sponsor:** Roessingh Research and Development

**Source(s) of monetary or material Support:** Senter Novem (uitvoeringsorgaan agentschap NL)

## Intervention

## Outcome measures

### Primary outcome

The implementation of the CoCo oncology application will be evaluated in terms of use, satisfaction with the technology, satisfaction with the treatment and quality of the provision of the services.

### Secondary outcome

The clinical effectiveness will be evaluated in terms of disease burden, quality of life, physical

functioning, fatigue, anxiety and depression.

## Study description

### Background summary

Cancer is a common disease with serious consequences for patient's physical and psychosocial functioning. These consequences may last for a long time, even after completion of the curative treatment. To overcome cancer-related problems and to improve quality of life, many cancer survivors participate in a multidimensional rehabilitation program. To improve the efficiency of the treatment, the CoCo (ConditionCoach) oncology application will be implemented in the traditional cancer treatment of Het Roessingh, center for rehabilitation, Enschede, The Netherlands. The CoCo oncology application is a technology assisted service to improve physical and mental fitness. The application consists of two modules for the patient: (1) activity registration with feedback and (2) online exercise program values-based choices. The application further contains a module telemonitoring (for the therapist), which summarizes several patient results. This application can be used by patients at home and can partially replace traditional (face-to-face) treatment.

Goal of this study is to evaluate the use of and satisfaction with the CoCo oncology application among cancer survivors and to study the clinical effectiveness of the implementation of the CoCo oncology application in the traditional treatment. Three conditions will be compared: (1) traditional treatment (based on historical data), (2) traditional treatment + CoCo oncology application, (3) shortened traditional treatment + CoCo oncology application.

Primary outcomes are use of the application, satisfaction with the technology (UTAUT questionnaire), satisfaction with the treatment (CSQ) and quality of the provision of the services (SERVQUAL questionnaire). Secondary outcomes are disease burden, quality of life, physical functioning, fatigue, anxiety, and depression.

### Study objective

Cancer is a common disease with serious consequences for patient's physical and psychosocial functioning. These consequences may last for a long time, even after completion of the curative treatment. To overcome cancer-related problems and to improve quality of life, many cancer survivors participate in a multidimensional rehabilitation program. One drawback of these programs is that they require a lot of contact time between the therapist and the patient. To improve the efficiency of the treatment, the CoCo (ConditionCoach) oncology application will be implemented in the traditional cancer

treatment of Het Roessingh, center for rehabilitation, This application can be used by patients at home and can partially replace traditional (face-to-face) treatment.

Goal of this study is to evaluate the use of and satisfaction with the CoCo oncology application among cancer survivors and to study the clinical effectiveness of the implementation of the CoCo oncology application in the traditional treatment.

## **Study design**

Use of the application (login, number and type of exercises, films and questionnaires that have been filled in and/or seen) will be registered by the system.

Satisfaction with the technology (UTAUT questionnaire) and quality of the provision of services (SERVQUAL questionnaire) will be assessed at baseline (expectations) and post-treatment (experiences).

Satisfaction with the treatment (CSQ) will be assessed post-treatment.

Clinical outcomes will be assessed at baseline (pre-treatment), post-treatment and at 3-months follow-up. Clinical outcomes are: disease burden (10-point NRS), quality of life (EORTC\_QLQ), physical functioning (SF-36), fatigue (CIS-20), anxiety (HADS-A) and depression (HADS-D).

## **Intervention**

The CoCo oncology application is a technology assisted service to improve physical and mental fitness. The application consists of two modules for the patient:

1. Activity registration with feedback;
2. Online exercise program values-based choices.

The application further contains a module telemonitoring (for the therapist), which summarizes several patient results. The application can be used by patients at home.

Three conditions will be compared:

1. Traditional treatment (based on historical data);
2. Traditional treatment + CoCo oncology application;
3. Shortened traditional treatment + CoCo oncology application.

## Contacts

### Public

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## Eligibility criteria

### Inclusion criteria

1. Age > 18 years;
2. Finished primary curative treatment for > 3 months (except herceptin, Tamoxifen, etc.);
3. Cancer related symptoms;
4. Sufficient physical capacities to participate in sport activities twice a week;
5. Mild to moderate psychosocial symptoms and fatigue (Symptom Checklist-90 < 165; Checklist Individual Strength < 46).

### Exclusion criteria

1. Palliative demand for care;
2. Serious psychopathology;
3. Insufficient understanding of the Dutch language.

## Study design

### Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active

### Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-10-2011
Enrollment:	32
Type:	Anticipated

## Ethics review

Not applicable	
Application type:	Not applicable

## 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	NL2880
NTR-old	NTR3025
Other	METC Medisch Spectrum Twente : P11-28
ISRCTN	ISRCTN wordt niet meer aangevraagd.

## Study results

### Summary results

N/A