# CoCo in oncology.

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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...

| | |
|---|---|
| **Ethische beoordeling** | Niet van toepassing |
| **Status** | Werving nog niet gestart |
| **Type aandoening** | - |
| **Onderzoekstype** | Interventie onderzoek |

## Samenvatting

### ID

NL-OMON22978

**Bron**
NTR

**Aandoening**

cancer related physical and mental symptoms

kankergerelateerde fysieke en mentale symptomen

### Ondersteuning

**Primaire sponsor:** Roessingh Research and Development
**Overige ondersteuning:** Senter Novem (uitvoeringsorgaan agentschap NL)

### Onderzoeksproduct en/of interventie

### Uitkomstmaten

**Primaire uitkomstmaten**

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.

# Toelichting onderzoek

### Achtergrond van het onderzoek

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.

### Doel van het onderzoek

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.

**Onderzoeksopzet**

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).

**Onderzoeksproduct en/of interventie**

The CoCo oncology application is a technology assisted service to improve physical and mental fitness. The aplication 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.

# Contactpersonen

## Publiek

Roessingh Research and Development<br>
Roessinghbleekweg 33b
R. Huis in 't Veld
Enschede 7522 AH
The Netherlands
+31 (0)53 4875740/777

## Wetenschappelijk

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The Netherlands
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# Deelname eisen

## Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. Age > 18 years;

2. Fnished 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).

### Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Palliative demand for care;

2. Serious psychopathology;

3. Insufficient understanding of the Dutch language.

## Onderzoeksopzet

### Opzet

| | |
|---|---|
| Type: | Interventie onderzoek |
| Onderzoeksmodel: | Parallel |
| Toewijzing: | Niet-gerandomiseerd |
| Blindering: | Open / niet geblindeerd |
| Controle: | Geneesmiddel |

### Deelname

Nederland

| | |
|---|---|
| Status: | Werving nog niet gestart |
| (Verwachte) startdatum: | 01-10-2011 |
| Aantal proefpersonen: | 32 |
| Type: | Verwachte startdatum |

## Ethische beoordeling

Niet van toepassing

| | |
|---|---|
| Soort: | Niet van toepassing |

## Registraties

## Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

## Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

## In overige registers

| Register | ID |
|---|---|
| NTR-new | NL2880 |
| NTR-old | NTR3025 |
| Ander register | METC Medisch Spectrum Twente : P11-28 |
| ISRCTN | ISRCTN wordt niet meer aangevraagd. |

# Resultaten

**Samenvatting resultaten**
N/A