



PLEASE NOTE: *This trial has been registered retrospectively.*

Trial Description

Title

A cross-sectional study to improve a targeted, individualized sports therapy program for childhood cancer patients

Trial Acronym

ESCiMo - Cross-sectional study

URL of the trial

[---]*

Brief Summary in Lay Language

The aim of the ESCiMo-Study (DRKS00004450) is to evaluate a targeted, individualized sports therapy program for childhood cancer patients and its effects on motor performance, health-related quality of life and level of activity. In order to improve this program, this additional controlled, cross-sectional study evaluates the level of activity/activity behaviour, cognitive abilities, fatigue, ankle dorsiflexion, and gait parameters of childhood cancer patients compared to healthy children of the same age and gender.

Brief Summary in Scientific Language

The aim of this controlled, cross-sectional study is to evaluate the level of activity/activity behaviour, cognitive abilities, fatigue, ankle dorsiflexion and gait parameters of childhood cancer patients compared to healthy children of the same age and gender (matched pairs).

Organizational Data

- DRKS-ID: **DRKS00004916**
- Date of Registration in DRKS: **2013/04/18**
- Date of Registration in Partner Registry or other Primary Registry: [---]*
- Investigator Sponsored/Initiated Trial (IST/IIT): **yes**
- Ethics Approval/Approval of the Ethics Committee: **Approved**
- (leading) Ethics Committee Nr.: **40/2012 , Ethikkommission der Deutschen Sporthochschule Köln**

Secondary IDs



Health condition or Problem studied

- ICD10: **C00-D48 - Neoplasms**

Interventions/Observational Groups

- Arm 1: **childhood cancer patients (after cessation of inpatient medical treatment phase) that participate onetime in test systems for level of activity/activity behaviour, cognition, fatigue, ankle dorsiflexion, gait**
- Arm 2: **healthy children of the same age and gender (matched pairs) that participate onetime in test systems for level of activity/activity behaviour, cognition, fatigue, ankle dorsiflexion, gait**

Characteristics

- Study Type: **Interventional**
- Study Type Non-Interventional: **[---]***
- Allocation: **Non-randomized controlled trial**
- Blinding: **[---]***
- Who is blinded: **[---]***
- Control: **Other**
- Purpose: **Supportive care**
- Assignment: **Parallel**
- Phase: **N/A**
- Off-label use (Zulassungsüberschreitende Anwendung eines Arzneimittels): **N/A**

Primary Outcome

The level of activity/activity behaviour will be evaluated onetime (baseline) by a standardized activity-questionnaire (MoMo-questionnaire) and a modified version of this questionnaire.

Secondary Outcome

Cognitive abilities, fatigue, ankle dorsiflexion and gait parameters will be evaluated onetime (baseline) by standardized test systems (Wiener Testsystem, IQ-Test: CFT, PedsQL multidimensional Fatigue Scale, goniometer, Optogait).

Countries of recruitment



- **DE Germany**

Locations of Recruitment

- Medical Center **Kinderkrankenhaus Amsterdamer Straße, Köln**

Recruitment

- Planned/Actual: **Actual**
- (Anticipated or Actual) Date of First Enrollment: **2012/07/18**
- Target Sample Size: **30**
- Monocenter/Multicenter trial: **Monocenter trial**
- National/International: **National**

Inclusion Criteria

- Gender: **Both, male and female**
- Minimum Age: **4 Years**
- Maximum Age: **17 Years**

Additional Inclusion Criteria

oncological treatment, after cessation of inpatient medical treatment, between four and seventeen years of age, diagnosis less than two years ago, hemoglobin and heart rate within a normal range, without infection, medical clearance from the treating physician

Exclusion criteria

specific stresses (according to the physicians advice), specific physiological and/or psychosocial impairments (according to the physicians advice)

Addresses

- **Primary Sponsor**

**Deutsche Sporthochschule Köln, Institut für Kreislaufforschung und Sportmedizin, Abteilung Molekulare und Zelluläre Sportmedizin
50933 Köln
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Primary Sponsor

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■ **Contact for Scientific Queries**

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Sources of Monetary or Material Support

■ **Institutional budget, no external funding (budget of sponsor/PI)**

**Deutsche Sporthochschule Köln, Institut für Kreislaufforschung und Sportmedizin, Abteilung Molekulare und Zelluläre Sportmedizin
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Status

- Recruitment Status: **Recruiting complete, follow-up complete**
- Study Closing (LPLV): **2013/08/13**

Trial Publications, Results and other documents

- Paper **Beulertz J, Bloch W, Prokop A, Rustler V, Fitzen C, Herich L, Streckmann F, Baumann FT. Limitations in Ankle Dorsiflexion Range of Motion, Gait, and Walking Efficiency in Childhood Cancer Survivors. Cancer Nursing. 2016;39(2):117-124**

* This entry means the parameter is not applicable or has not been set.

*** This entry means that data is not displayed due to insufficient data privacy clearing.