

# The occurrence of cam impingement in young male soccer players.

Published: 24-11-2009

Last updated: 06-05-2024

We want to investigate the hip joints of young very active male soccer players to gain greater knowledge on the development of cam impingement, concerning the shape deformities, the age of onset and the occurrence of cartilage lesions.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Joint disorders
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON55555

### Source

ToetsingOnline

### Brief title

Cam impingement in young male soccer players

### Condition

- Joint disorders

### Synonym

cam impingement, pistol grip deformity

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Erasmus MC, Universitair Medisch Centrum Rotterdam

**Source(s) of monetary or material Support:** Annafonds

## Intervention

**Keyword:** Femoroacetabular impingement, Young soccerplayers

## Outcome measures

### Primary outcome

the diagnosis of cam impingement and cartilage lesions

### Secondary outcome

Range of motion of the hip and hip symptoms

## Study description

### Background summary

There is an increased relative risk for osteoarthritis of the hip among professional soccer players, there is a relation between femoroacetabular impingement and sports and there is a relation between osteoarthritis of the hip and femoroacetabular impingement. The hypothesis states that cam impingement develops among boys during the adolescence due to an intensive soccer career which might lead to early osteoarthritis.

### Study objective

We want to investigate the hip joints of young very active male soccer players to gain greater knowledge on the development of cam impingement, concerning the shape deformities, the age of onset and the occurrence of cartilage lesions.

### Study design

Longitudinal follow-up study

### Study burden and risks

In contrast to the previous baseline study and follow-up moments we will obtain MRI scans at the current follow-up instead of radiographs. Therefore, there are no risks involved for the participants.

## Contacts

### Public

Erasmus MC, Universitair Medisch Centrum Rotterdam

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NL

### Scientific

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

male, currently 24-30 years of age, who were previously included in this cohort (at baseline aged between 12 and 18 years and playing at the highest soccer level at Feyenoord soccer club).

### Exclusion criteria

nvt

## Study design

### Design

**Study type:** Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Basic science

### Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 17-03-2010

Enrollment: 89

Type: Actual

## Ethics review

Approved WMO

Date: 24-11-2009

Application type: First submission

Review commission: METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

Approved WMO

Date: 26-06-2012

Application type: Amendment

Review commission: METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

Approved WMO

Date: 02-08-2012

Application type: Amendment

Review commission: METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

Approved WMO

Date: 05-08-2015

Application type: Amendment

Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)
Approved WMO	
Date:	07-10-2021
Application type:	Amendment
Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

## 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
CCMO	NL28614.078.09