

Development, optimisation and validation of the exercise diagnostics for functional iliac flow limitations in endurance athletes: blood pressure measurement, pedal force measurement and near infrared spectroscopy.

No registrations found.

Ethical review	Positive opinion
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON29607

Source

Nationaal Trial Register

Brief title

N/A

Health condition

functional iliac flow limitations in endurance athletes

Sponsors and support

Primary sponsor: Afdeling sportgeneeskunde

Maxima Medisch Centrum

Veldhoven

Source(s) of monetary or material Support: /

Intervention

Outcome measures

Primary outcome

Improvement of sensitivity and specificity of diagnostic tools in diagnosing sportsrelated flow limitations of the iliac arteries.

Secondary outcome

N/A

Study description

Background summary

One in every five professional bicyclists has a functional flow limitations of the iliac arteries. Current diagnostics are complicated and time consuming. The use of new techniques like near infrared spectroscopy and pedal force measurement could improve sensitivity and specificity of the current diagnostic tests and therefore it may advance the diagnosis.

Study objective

The use of a new protocol of exercise testing with use of blood pressure measurement, near infrared spectroscopy and pedal force measurement will improve the diagnostic value of the current decision algorithm used to diagnose functional iliac flow limitations in endurance athletes.

Study design

N/A

Intervention

Bloodpressure measurements, pedal force measurements and near infrared measurements during and after exercise testing in both patients as in healthy test subjects.

Contacts

Public

Maxima Medisch Centrum, Department of Sports Medicine,
P.O. Box 7777
G. Schep
Veldhoven 5500 MB
The Netherlands
+31 (0)40 8888620

Scientific

Maxima Medisch Centrum, Department of Sports Medicine,
P.O. Box 7777
G. Schep
Veldhoven 5500 MB
The Netherlands
+31 (0)40 8888620

Eligibility criteria

Inclusion criteria

Athletes/patients diagnosed with functional iliac flow limitations and healthy athletes.

Exclusion criteria

N/A

Study design

Design

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

Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	01-09-2005
Enrollment:	210
Type:	Actual

Ethics review

Positive opinion	
Date:	21-11-2005
Application type:	First submission

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	NL485
NTR-old	NTR526
Other	: N/A
ISRCTN	ISRCTN84883192

Study results

Summary results

N/A