

The effects of upper-limb aerobic exercise training on walking performance and lower limb circulatory function in patients with peripheral arterial disease

Submission date 24/08/2006	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 27/09/2006	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 04/01/2011	Condition category Circulatory System	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Study information

Scientific Title

Study objectives

1. Upper-limb aerobic exercise training will evoke a significant improvement in walking performance in comparison to usual patient care.
2. Upper-limb aerobic exercise training will evoke a significant improvement in lower-limb circulatory function in comparison to usual patient care.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval granted by the South Sheffield Research Ethics Committee on 23/06/06 (reference number: 05/Q2305/128).

Study design

Randomised controlled trial

Primary study design

Intentional

Study type(s)

Quality of life

Health condition(s) or problem(s) studied

Peripheral arterial disease (intermittent claudication)

Interventions

Upper-limb aerobic exercise intervention (arm-cranking exercise training, twice per week for 12 weeks) versus usual patient care.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Walking performance.

Key secondary outcome(s)

Changes in lower-limb circulatory function.

Completion date

31/08/2007

Eligibility**Key inclusion criteria**

1. Symptoms of intermittent claudication for at least 12 months
2. Ankle Brachial Pressure Index (ABPI) more than 0.9
3. No interventional procedure in last 12 months
4. Ability to undertake exercise

5. No exercise-limiting angina
6. No shortness of breath
7. No severe arthritis

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Sex

All

Key exclusion criteria

1. Experiencing symptoms of intermittent claudication for less than 12 months
2. Reporting a significant change in walking ability during previous 12 months, denoting unstable claudication
3. Exhibiting features of critical limb ischaemia
4. Re-vascularisation procedure or other surgical intervention to the lower limbs in the previous 12 months
5. Severe arthritis
6. Unstable cardiopulmonary conditions such as shortness of breath or exercise-limiting angina

Date of first enrolment

01/09/2006

Date of final enrolment

31/08/2007

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

Centre for Sport and Exercise Science

Sheffield

United Kingdom

S10 2BP

Sponsor information

Organisation

Sheffield Hallam University (UK)

ROR

<https://ror.org/019wt1929>

Funder(s)

Funder type

University/education

Funder Name

Sheffield Hallam University (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	21/09/2009		Yes	No