

Diagnostic Imaging for Peripheral Arterial Disease: the DIPAD trial

Submission date 20/12/2005	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 20/12/2005	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 09/11/2022	Condition category Circulatory System	<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr R. Ouwendijk

Contact details
Department of Radiology
Erasmus Medical Center Rotterdam
P.O. Box 2040
Rotterdam
Netherlands
3000 CA
-
r.ouwendijk@erasmusmc.nl

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
Nil known

Study information

Scientific Title

Diagnostic Imaging for Peripheral Arterial Disease: the DIPAD trial

Acronym

DIPAD trial

Study objectives

Is the diagnostic imaging workup of patients with peripheral arterial disease performed initially with Magnetic Resonance (MR) angiography cost-effective compared to the currently employed workup with duplex ultrasound or Computed Tomography (CT) angiography?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from the local medical ethics committee

Study design

Multicentre, randomised, active controlled, parallel group trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Hospital

Study type(s)

Diagnostic

Participant information sheet

Health condition(s) or problem(s) studied

Peripheral Arterial Disease (PAD)

Interventions

1. Magnetic resonance angiography: requires intravenous contrast material injection and duration of the examination is 30 minutes
2. Duplex ultrasound: requires no intravenous contrast material injection and duration of the examination is variable
3. Computed tomographic angiography: requires intravenous contrast material injection and duration of the examination is 10 minutes

Intervention Type

Other

Phase

Not Specified

Primary outcome measure

Primary outcomes evaluated were quality of life and costs.

Secondary outcome measures

Secondary outcomes evaluated were clinical utility and functional patient outcomes.

Overall study start date

01/12/2001

Completion date

01/10/2003

Eligibility

Key inclusion criteria

1. Men and women at least 18 years old
2. Symptomatic Peripheral Arterial Disease (PAD)
3. An ankle-brachial index less than 0.90
4. Referred from the Department of Vascular Surgery for a diagnostic imaging workup to evaluate the feasibility of a revascularisation procedure

Participant type(s)

Patient

Age group

Adult

Lower age limit

18 Years

Sex

Both

Target number of participants

514

Key exclusion criteria

1. Contraindications for MR angiography (e.g., pacemaker, cerebral vessel clipping, or claustrophobia) or CT angiography (e.g., severe renal insufficiency or adverse reactions to iodinated contrast agent)
2. Need an acute intervention at time of randomisation

Date of first enrolment

01/12/2001

Date of final enrolment

01/10/2003

Locations

Countries of recruitment

Netherlands

Study participating centre

Department of Radiology

Rotterdam

Netherlands

3000 CA

Sponsor information

Organisation

Erasmus Medical Centre (Netherlands)

Sponsor details

Dr Molewaterplein 40/50

Rotterdam

Netherlands

3000 CA

Sponsor type

University/education

Website

<http://www.erasmusmc.nl/>

ROR

<https://ror.org/018906e22>

Funder(s)

Funder type

Research organisation

Funder Name

The Netherlands Organization for Health Research and Development (ZonMw) (The Netherlands)

Results and Publications

Publication and dissemination plan

Not provided at time of registration

Intention to publish date

Individual participant data (IPD) sharing plan

Not provided at time of registration

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		01/09/2005		Yes	No
Results article		01/08/2006		Yes	No