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Diagnostic Imaging for Peripheral Arterial Disease: the DIPAD trial

Submission date	Recruitment status	[_] Prospectively registered
20/12/2005	No longer recruiting	[_] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
20/12/2005	Completed	[X] Results
Last Edited	**Condition category**	[_] Individual participant data
09/11/2022	Circulatory System	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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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