

# Diagnostic Imaging for Peripheral Arterial Disease: the DIPAD trial

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

**Protocol serial number**  
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

**Study type(s)**

Diagnostic

**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(s)**

Primary outcomes evaluated were quality of life and costs.

**Key secondary outcome(s)**

Secondary outcomes evaluated were clinical utility and functional patient outcomes.

**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

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

All

**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)

**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****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?
<a href="#">Results article</a>		01/09/2005		Yes	No
<a href="#">Results article</a>		01/08/2006		Yes	No