

# Wall thickness measurement by ultrasonography as a predictor for arteriovenous fistula function in haemodialysis patients

**Submission date**

27/02/2007

**Recruitment status**

No longer recruiting

**Registration date**

27/02/2007

**Overall study status**

Completed

**Last Edited**

27/02/2007

**Condition category**

Urological and Genital Diseases

☐ Prospectively registered

☐ Protocol

☐ Statistical analysis plan

☐ Results

☐ Individual participant data

☐ Record updated in last year

**Plain English summary of protocol**

Not provided at time of registration

## Contact information

**Type(s)**

Scientific

**Contact name**

Dr H J T A M Huijbregts

**Contact details**

University Medical Centre Utrecht (UMCU)

HP F 03.223

P.O. Box 85500

Heidelberglaan 100

Utrecht

Netherlands

3508 GA

+31 (0)30 250 7379

R.Huijbregts@azu.nl

## Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

N/A

## Study information

Scientific Title

### Study objectives

Research to investigate whether ultrasonographically and histologically measured radial artery wall thickness are comparable, and whether this wall thickness is predictive for maturation of arteriovenous fistulas in haemodialysis patients.

Hypothesis:

Radial artery wall thickness is predictive for arteriovenous fistula maturation and can be measured by means of ultrasonography.

### Ethics approval required

Old ethics approval format

### Ethics approval(s)

Ethics approval received from the local medical ethics committee

### Study design

Non-randomised, non-controlled, parallel group, clinical trial

### Primary study design

Interventional

### Secondary study design

Single-centre

### Study setting(s)

Hospital

### Study type(s)

Diagnostic

### Participant information sheet

### Health condition(s) or problem(s) studied

Chronic renal insufficiency

### Interventions

Excision biopsy of a small piece of the radial artery during operation.

### Intervention Type

Other

**Phase**

Not Specified

**Primary outcome measure**

1. Similarity between ultrasonographically measured and histologically measured radial artery wall thickness
2. Patency rates

**Secondary outcome measures**

No secondary outcome measures

**Overall study start date**

01/01/2005

**Completion date**

31/12/2005

**Eligibility****Key inclusion criteria**

1. Chronic renal failure and requirement of an arteriovenous fistula
2. Age 18 years or older
3. Informed consent

**Participant type(s)**

Patient

**Age group**

Adult

**Lower age limit**

18 Years

**Sex**

Not Specified

**Target number of participants**

30

**Key exclusion criteria**

1. Age less than 18 years
2. Placement of vascular access prosthesis
3. Unable to sign written informed consent

**Date of first enrolment**

01/01/2005

**Date of final enrolment**

31/12/2005

# Locations

## Countries of recruitment

Netherlands

## Study participating centre

University Medical Centre Utrecht (UMCU)

Utrecht

Netherlands

3508 GA

# Sponsor information

## Organisation

University Medical Centre Utrecht (UMCU) (The Netherlands)

## Sponsor details

P.O. Box 85500

Utrecht

Netherlands

3508 GA

## Sponsor type

Hospital/treatment centre

## Website

<http://www.umcutrecht.nl/zorg/>

## ROR

<https://ror.org/04pp8hn57>

# Funder(s)

## Funder type

Charity

## Funder Name

Dutch Kidney Foundation (Nierstichting Nederland) (The Netherlands)

## Alternative Name(s)

Dutch Kidney Foundation

**Funding Body Type**

Private sector organisation

**Funding Body Subtype**

Trusts, charities, foundations (both public and private)

**Location**

Netherlands

## **Results and Publications**

**Publication and dissemination plan**

Not provided at time of registration

**Intention to publish date****Individual participant data (IPD) sharing plan****IPD sharing plan summary**

Not provided at time of registration