

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

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Additional identifiers

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

Primary study design

Interventional

Study design

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

Study type(s)

Diagnostic

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(s)

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

Key secondary outcome(s)

No secondary outcome measures

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

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

Not Specified

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)

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

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration