

The Warwick Arthroplasty Trial

Submission date 28/06/2007	Recruitment status No longer recruiting	☐ Prospectively registered ☒ Protocol
Registration date 17/09/2007	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 12/01/2023	Condition category Musculoskeletal Diseases	☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Contact details

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Additional identifiers

Protocol serial number

Protocol version 2

Study information

Scientific Title

The Warwick Arthroplasty Trial: a randomised controlled trial of total hip arthroplasty versus resurfacing hip arthroplasty in the treatment of young patients with arthritis of the hip joint

Acronym

WAT

Study objectives

There is no difference in hip function in patients with severe arthritis of the hip joint who have undergone a total hip arthroplasty or a resurfacing arthroplasty at one year post-operation.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approval received from the Coventry Research Ethics Committee on the 9th May 2007 (ref: 07/Q2802/26).

Primary study design

Interventional

Study design

Randomised single blind controlled trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Osteoarthritis of the hip joint

Interventions

1. Patients in the Total Hip Arthroplasty group will have the head of their femur removed and replaced with a prosthetic component fixed inside the femoral shaft
2. Patients in the Hip Resurfacing Arthroplasty group will have a resurfacing cap placed upon their existing femoral head

Both groups will have a new acetabular (socket) component. The details of both operative procedures will be left to the discretion of the surgeon to increase generalisability of the result. All patients will receive standardised rehabilitation after the operation. As part of the research patients will be followed-up for one year post-operation.

Joint sponsor of this trial:
University of Warwick (UK)
c/o Donna McIntyre, Grants and Contracts Officer
Research Support Services
University House, Kirby Corner Road
Coventry CV4 8UW
United Kingdom
Tel: +44 (0)2476 522989
Email: D.McIntyre@warwick.ac.uk

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

1. Harris Hip Score, measured at pre-operation and 6, 12, 26 and 52 weeks post-operation
2. Oxford Hip Score, measured at pre-operation and 6, 12, 26 and 52 weeks post-operation

Key secondary outcome(s)

All secondary outcomes will be measured at pre-operation and 6, 12, 26 and 52 weeks post-operation:

1. Disability Rating Index
2. Physical activity level
3. Complication rate
4. Quality of life
5. Health economic evaluation

Completion date

31/05/2010

Eligibility**Key inclusion criteria**

1. Over the age of 18
2. Able to give informed consent
3. Eligible for hip resurfacing arthroplasty

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

Total final enrolment

126

Key exclusion criteria

Patients with a concomitant medical problem that will preclude operation.

Date of first enrolment

01/06/2007

Date of final enrolment

31/05/2010

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Associate Professor Trauma and Orthopaedics Warwick Medical School

Coventry

United Kingdom

CV2 2DX

Sponsor information

Organisation

University Hospitals Coventry and Warwickshire NHS Trust (UK)

ROR

<https://ror.org/025n38288>

Funder(s)

Funder type

Government

Funder Name

National Institute of Health Research (UK) - under the Research for Patient Benefit scheme (ref number: PB-PG-0706-10080)

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?
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Results article	1-year results	19/04/2012	Yes	No
Results article	5-year results	12/03/2018	Yes	No
Protocol article		14/01/2010	Yes	No