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The Warwick Arthroplasty Trial

Submission date
28/06/2007

Recruitment status
No longer recruiting

Registration date
17/09/2007

Overall study status
Completed

Last Edited
12/01/2023

Condition category
Musculoskeletal Diseases

[_] Prospectively registered
[X] Protocol
[_] Statistical analysis plan
[X] Results
[_] 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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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).

Study design
Randomised single blind controlled trial

Primary study design
Interventional

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 generalisabilty 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
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United Kingdom
Tel: +44 (0)2476 522989
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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?

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
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes