The impact of magnetic resonance imaging on the rate of arthroscopy and patient outcome for knee disorders requiring arthroscopy

Submission date	Recruitment status	Prospectively registered
16/11/2006	No longer recruiting	☐ Protocol
Registration date	Overall study status	Statistical analysis plan
05/01/2007	Completed	☐ Results
Last Edited	Condition category	Individual participant data
25/04/2014	Musculoskeletal Diseases	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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Contact details

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

N/A

Study information

Scientific Title

Acronym

MRIA

Study objectives

To determine the usefulness, effectiveness and efficieny of Magnetic Resonance Imaging (MRI) compared with diagnostic arthroscopy in the management of mechanical knee problems at six weeks and six months to follow up. The specific objectives are:

- 1. To measure the likely reduction in arthroscopies of using MRI and selected diagnostic arthroscopies compared with diagnostic arthroscopy alone.
- 2. Determine patient-based clinical economic outcomes of care when using MRI and selected diagnostic arthroscopy compared with arthroscopy alone in the management.

Ethics approval required

Old ethics approval format

Ethics approval(s)

North Staffordshire Local Research Ethics Committee on 04/06/2001

Study design

Randomised controlled trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Hospital

Study type(s)

Treatment

Participant information sheet

Health condition(s) or problem(s) studied

Mechanical Disorder of the knee requiring Arthroscopy

Interventions

MRI Scan of knee and knee arthroscopy

Intervention Type

Other

Phase

Primary outcome measure

Comparison of the proportion of arthroscopies (diagnostic or therapeutic) carried out in each arm of the study

Secondary outcome measures

- 1. A simple generic measure of health outcome. It allows an accurate self-description of current health related quality of life, assessing mobility, self-care, usual activity level, pain/discomfort and anxiety/depression.
- 2. Short Form health survey (SF36): a comprehensive generic measure of health outcome.
- 3. Knee injury and OsteoArthritis (OA) score: a self reported measure of symptoms, stiffness, pain, function and quality of life specific to knee injury.
- 4. Knee Society Score: will be carried out by a trained independent assessor (physiotherapist) who will be blinded to the management policy used.
- 5. Pain Severity
- 6. Patient satisfaction

Overall study start date

01/06/2001

Completion date

18/08/2006

Eligibility

Key inclusion criteria

- 1. Patients currently listed for arthroscopy or who have been admitted to hospital with an acute knee injury
- 2. Aged 18 years and above
- 3. Mechanical knee problem in whom an arthroscopy is indicated. Defined pragmatically as: suspected internal derangement of the knee e.g., cruciate/collateral ligament haemarthrosis (occurring in first 12 hours of injury) in the absence of fracture
- 4. Convincing symptoms but no signs, such as history of locking or giving way but normal exam
- 5. Unresolved significant symtoms after conservative treatment
- 6. Unresolved knee pain

Participant type(s)

Patient

Age group

Adult

Lower age limit

18 Years

Sex

Both

Target number of participants

384 (192 in each arm)

Key exclusion criteria

- 1. Multiple trauma
- 2. Unable or unwilling to give informed consent
- 3. Tumour
- 4. Suspected primary synovial disease
- 5. Previous arthroscopy of knee
- 6. Contraindications to MRI: e.g., pacemaker, pregnancy, ferric implants
- 7. Knee infection
- 8. Previous MRI of the affected knee

Date of first enrolment

01/06/2001

Date of final enrolment

18/08/2006

Locations

Countries of recruitment

England

United Kingdom

Study participating centre Medical Research Unit

Stoke on Trent United Kingdom ST4 7QB

Sponsor information

Organisation

University Hospital of North Staffordshire (UK)

Sponsor details

Trust Headquarters Royal Infirmary Princes Road Stoke on Trent England United Kingdom ST4 7LN

Sponsor type

Hospital/treatment centre

Website

http://www.nsht.nhs.uk/

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

University Hospital of North Staffordshire (UK)

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