

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

Submission date 16/11/2006	Recruitment status No longer recruiting	☐ Prospectively registered
Registration date 05/01/2007	Overall study status Completed	☐ Protocol
Last Edited 25/04/2014	Condition category Musculoskeletal Diseases	☐ 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

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Additional identifiers

Study information

Scientific Title

Acronym

MRIA

Study objectives

To determine the usefulness, effectiveness and efficiency 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

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Treatment

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

Not Specified

Primary outcome(s)

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

Key secondary outcome(s)

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

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 symptoms after conservative treatment
6. Unresolved knee pain

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

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

United Kingdom

England

Study participating centre

Medical Research Unit

Stoke on Trent

United Kingdom

ST4 7QB

Sponsor information

Organisation

University Hospital of North Staffordshire (UK)

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

University Hospital of North Staffordshire (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration