

# Greater Manchester EUR Policy Statement on:

## Knee arthroscopy

GM Ref: GM034

Version: 2.5 (15 January 2019)

## Commissioning Statement

Knee arthroscopy	
<b>Policy Exclusions</b> (Alternative commissioning arrangements apply)	<p>If there is fixed (true) locking of the knee joint that cannot be mobilised, then <b>the patient should be referred urgently for treatment</b>. These referrals may be audited to check for compliance with this policy.</p> <p>Knee arthroscopy, as a means of accessing the knee joint in order to treat an injury (e.g. torn cruciate ligaments), and not for degenerative disease, is excluded from this policy.</p> <p>Micro-fracturing carried out to repair traumatic damage and delay the need for knee replacement is excluded from this policy</p> <p>Knee arthroscopy following injury in an individual under the age of 35 (i.e. before their 35<sup>th</sup> birthday) is excluded from this policy.</p> <p>Treatment/procedures undertaken as part of an externally funded trial or as a part of locally agreed contracts / or pathways of care are excluded from this policy, i.e. locally agreed pathways take precedent over this policy (the EUR Team should be informed of any local pathway for this exclusion to take effect).</p>
<b>Policy Inclusion Criteria</b>	<p><b>Prior to referral</b></p> <p>Patients must be provided with information to enable them to understand their condition and the following summary should be included in the consent for the procedure and signed by the patient. The presence of this signed consent may be the subject of future audits:</p> <p><i>‘Current evidence informs us that there is uncertainty as to whether arthroscopic surgery to address a degenerate tear of a meniscus of the knee for symptoms (e.g. pain, locking, giving way etc.) is any better than not having arthroscopic surgery. This means that the same number of people may improve without surgery as those that undergo surgery. In other words, your symptoms may just as likely get better continuing with physiotherapy, painkillers etc. Arthroscopic knee surgery is generally safe but you will need to be in hospital for a day and there is a very small risk of infection developing in your knee. After the operation you may have some stiffness and soreness in your knee for a few days.’</i></p> <p><b>NOTE:</b> Autografts covered by NICE TA89 are commissioned by NHS England.</p> <p><b>Commissioned</b></p> <p>Knee arthroscopy is <b>ONLY</b> commissioned if the following criteria are met:</p> <ul style="list-style-type: none"> <li>Intermittent (true) locking<sup>1</sup> that has not responded to at least 3 months of non-surgical treatment.</li> </ul> <p><b>AND one (or more) of the following:</b></p> <ul style="list-style-type: none"> <li>There is a loose body (or bodies) that is causing the locking and which has been confirmed by a magnetic resonance (MR) scan or on X-ray if a bony loose body is involved.</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>Where a detailed understanding of the degree of compartment damage within the</li> </ul>

<sup>1</sup> **Intermittent (True) locking:** A loose body in the knee joint gets stuck or caught and stops the knee from moving at all. The knee remains fixed for a variable period of time in the position where it ‘locked’ despite attempts to manipulate the knee.

	<p>knee is required</p> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>There is a significant meniscal tear (e.g. bucket handle tear, flap, cleavage or radial with refractory pain and) which is thought to be the cause of intermittent locking / giving way</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>The individual is between the ages of 35 and 55 with a history of trauma to the knee and the arthroscopy will delay the need for knee replacement</li> </ul> <p><b>NOTE: Knee arthroscopy, lavage and debridement is <u>NOT</u> commissioned for a degenerative knee <u>unless</u> the above mandatory criteria are also present.</b></p> <p><b>Funding Mechanism</b></p> <p>Individual prior approval provided the patient meets the above criteria. Requests <u>must</u> be submitted with all relevant supporting evidence (including evidence of non-surgical treatment and a copy of the MR scan report).</p> <p><u>All other cases:</u> Individual funding request (exceptional case) approval: Requests <u>must</u> be submitted with all relevant supporting evidence.</p> <p><b>Not Commissioned</b></p> <ul style="list-style-type: none"> <li>For pseudo locking (or false locking)<sup>2</sup> of the knee joint</li> <li>For the management of <b>uncomplicated</b> degenerative disease</li> <li>For non-symptomatic meniscal tears only found on MRI that are not causing the knee to lock</li> <li>For non-specific knee pain</li> </ul> <p>Any procedure carried out during arthroscopy which is <b>NOT</b> currently covered by current local or national commissioning procedures will require either:</p> <ul style="list-style-type: none"> <li>A business case where this is the first of many</li> <li>An IFR request using the Greater Manchester Experimental and unproven policy and form where this is likely to be a single case.</li> </ul> <p><b>NOTE:</b> Procedures covered by the following NICE guidance are commissioned by NHS England and all applications for funding should be made directly to them: <a href="#">NICE IPG560: Microstructural scaffold (patch) insertion without autologous cell implantation for repairing symptomatic chondral knee defects</a></p> <p><b>Funding Mechanism</b></p> <p>Clinicians can submit an individual funding request outside of this guidance if they feel there is a good case for clinical exceptionality. Requests <u>must</u> be submitted with all relevant supporting evidence.</p>
<p><b>Clinical Exceptionality</b></p>	<p>Clinicians can submit an Individual Funding Request (IFR) outside of this guidance if they feel there is a good case for exceptionality.</p> <p>Exceptionality means ‘a person to which the general rule is not applicable’. Greater</p>

<sup>2</sup> **Pseudo-locking (or false locking):** Is where an involuntary response to severe pain stops the knee moving. When the knee is very painful the body protects it by not allowing it to move any more, There is nothing blocking the knee from moving but the brain temporarily ‘freezes’ the knee. It is more akin to muscle spasm than it is to true locking. It generally only ‘freezes’ for minutes.

	<p>Manchester sets out the following guidance in terms of determining exceptionality; however the over-riding question which the IFR process must answer is whether each patient applying for exceptional funding has demonstrated that his/her circumstances are exceptional. A patient may be able to demonstrate exceptionality by showing that s/he is:</p> <ul style="list-style-type: none"> <li>Significantly different to the general population of patients with the condition in question.</li> </ul> <p><b><i>and as a result of that difference</i></b></p> <ul style="list-style-type: none"> <li>They are likely to gain significantly more benefit from the intervention than might be expected from the average patient with the condition.</li> </ul>
<b>Fitness for Surgery</b>	<b>NOTE:</b> All patients should be assessed as fit for surgery before going ahead with treatment, even though funding has been approved.
<b>Best Practice Guidelines</b>	All providers are expected to follow best practice guidelines (where available) in the management of these conditions.

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## Policy Statement

Greater Manchester Health and Care Commissioning (GMHCC) Effective Use of Resources (EUR) Policy Team, in conjunction with the GM EUR Steering Group, have developed this policy on behalf of Clinical Commissioning Groups (CCGs) within Greater Manchester, who will commission treatments/procedures in accordance with the criteria outlined in this document.

In creating this policy GMHCC/GM EUR Steering Group have reviewed this clinical condition and the options for its treatment. It has considered the place of this treatment in current clinical practice, whether scientific research has shown the treatment to be of benefit to patients, (including how any benefit is balanced against possible risks) and whether its use represents the best use of NHS resources.

This policy document outlines the arrangements for funding of this treatment for the population of Greater Manchester.

This policy follows the principles set out in the ethical framework that govern the commissioning of NHS healthcare and those policies dealing with the approach to experimental treatments and processes for the management of individual funding requests (IFR).

## Equality & Equity Statement

GMHCC/CCGs have a duty to have regard to the need to reduce health inequalities in access to health services and health outcomes achieved, as enshrined in the Health and Social Care Act 2012. GMHCC/CCGs are committed to ensuring equality of access and non-discrimination, irrespective of age, gender, disability (including learning disability), gender reassignment, marriage and civil partnership, pregnancy and maternity, race, religion or belief, gender or sexual orientation. In carrying out its functions, GMHCC/CCGs will have due regard to the different needs of protected characteristic groups, in line with the Equality Act 2010. This document is compliant with the NHS Constitution and the Human Rights Act 1998. This applies to all activities for which they are responsible, including policy development, review and implementation.

In developing policy the GMHCC EUR Policy Team will ensure that equity is considered as well as equality. Equity means providing greater resource for those groups of the population with greater needs without disadvantage to any vulnerable group.

The Equality Act 2010 states that we must treat disabled people as *more equal* than any other protected characteristic group. This is because their 'starting point' is considered to be further back than any other group. This will be reflected in GMHCC evidencing taking 'due regard' for fair access to healthcare information, services and premises.

An Equality Analysis has been carried out on the policy. For more information about the Equality Analysis, please contact [policyfeedback.gmscu@nhs.net](mailto:policyfeedback.gmscu@nhs.net).

## Governance Arrangements

Greater Manchester EUR policy statements will be ratified by the Greater Manchester Joint Commissioning Board (GMJCB) prior to formal ratification through CCG Governing Bodies. Further details of the governance arrangements can be found in the [GM EUR Operational Policy](#).

## Aims and Objectives

This policy document aims to ensure equity, consistency and clarity in the commissioning of treatments/procedures by CCGs in Greater Manchester by:

- reducing the variation in access to treatments/procedures.

- ensuring that treatments/procedures are commissioned where there is acceptable evidence of clinical benefit and cost-effectiveness.
- reducing unacceptable variation in the commissioning of treatments/procedures across Greater Manchester.
- promoting the cost-effective use of healthcare resources.

## Rationale behind the policy statement

Despite growing evidence that the benefits of knee arthroscopy (with or without washout) for degenerative disease of the knee are minimal and are outweighed by the risk of the procedure, the most frequent indication for knee arthroscopy is degenerative joint disease in middle aged and older patients. Each year around 150,000 arthroscopies are done in the United Kingdom.

The aim of this policy is to target knee arthroscopy, lavage and debridement to the relatively small group of patients for whom it is of benefit and to stop the procedure in patients where there is little to no benefit, but in whom this procedure carries significant risks, including symptomatic deep venous thrombosis (95% confidence interval, 1.78 to 9.60 events per 1000 procedures), pulmonary embolism, infection, and death (Thorlund et al – see evidence summary).

There are an excessive number of knee arthroscopies carried in Greater Manchester. Many of these are done on knees with osteoarthritis where the procedure is considered to be of little to no benefit. According to the Royal College of Surgeons procedures explorers tool the directly age and sex standardised rate for knee arthroscopy across Greater Manchester ranges from 58.56 to 150.08. The number of excess procedures suggests that this is still being done for OA of the knee despite NICE recommendations to the contrary. This policy aims to ensure that this procedure is carried out only in those cases where benefit is proven and not for OA of the knee where there is little to no benefit from a risky procedure.

## Treatment / Procedure

**Knee arthroscopy** is surgery that uses a tiny camera to look inside the knee. Small cuts are made to insert the camera and small surgical tools into the knee for the procedure. Lavage (also referred to as “wash out”) is a procedure in which intra-articular fluid is aspirated and the joint is washed out, removing inflammatory mediators, debris, or small loose bodies.



**Lavage** is a procedure in which intra-articular fluid is aspirated and the joint is washed out, removing inflammatory mediators, debris, or small loose bodies (also referred to as debridement).

## Epidemiology and Need

Osteoarthritis (OA) is one of the most common chronic diseases, with an estimated overall prevalence in the general adult population of 24% for knee OA.

OA is age-related, with manifestations often not occurring until middle age.

## Risk factors

- Genetic factors:
  - Heritability estimates for hand, knee, and hip OA are about 40-60%
  - The responsible genes are largely unknown
- Constitutional factors:
  - Ageing
  - Female sex
  - Obesity
  - High bone density - risk factor for development of OA
  - Low bone density - risk factor for progression of knee and hip OA
- Local, largely biomechanical, risk factors:
  - Joint injury
  - Occupational and recreational stresses on joints
  - Reduced muscle strength
  - Joint laxity
  - Joint malalignment

Each year around 150,000 arthroscopies are done in the United Kingdom. The majority of these are done for OA in the middle aged or older patient despite growing evidence of its ineffectiveness.

## Adherence to NICE Guidance

This policy adheres fully to the recommendations made in NICE IPG230: Arthroscopic knee washout, with or without debridement, for the treatment of osteoarthritis.

## Audit Requirements

There is currently no national database. Service providers will be expected to collect and provide audit data on request.

## Date of Review

One year from the date of approval by the governance process and thereafter at a date agreed by the Greater Manchester EUR Steering Group, unless new evidence or technology is available sooner.

The evidence base for the policy will be reviewed and any recommendations within the policy will be checked against any new evidence. Any operational issues will also be considered at this time. All available additional data on outcomes will be included in the review and the policy updated accordingly. The policy will be continued, amended or withdrawn subject to the outcome of that review.

## Glossary

Term	Meaning
(High / low) bone density	The amount of mineral matter per square centimeter of bones.
Aspirated	Withdrawal of fluid by suction.
Biomechanical	Study of forces exerted by muscles, gravity etc. on the on other parts of the body e.g. the skeleton.



Compartment damage	Damage to the joint space of the knee.
Constitutional	Relating to someone's nature or physical condition.
Debridement	The removal of damaged tissue or foreign objects from a wound.
Debris	Damaged tissue or foreign objects.
Degenerative joint disease	Also known as osteoarthritis, this type of arthritis is caused by inflammation, breakdown and eventual loss of the cartilage of the joints.
Genetic	Relating to genes or heredity.
High tibial osteotomy	A surgical procedure to realign the leg and reduce the pain from the knee knee by transferring the body weight to the preserved normal outer side of the knee.
Imaging (medical)	Techniques and processes that create visual representations of the interior of a body for clinical analysis and medical intervention.
Inflammatory mediators	Molecules that are released by immune cells during times when harmful agents invade the body.
Intra-articular fluid	Fluid with the joint space.
Joint laxity	Looseness or instability of a joint.
Joint malalignment	A failure of parts of the body to line up properly.
Knee arthroscopy	Surgery that uses a tiny camera to look inside the knee.
Lavage	Washing out of a body cavity with water or a medicated solution.
Loose bodies	Pieces of bone or cartilage that have detached and are now loose in the joint space.
NICE	National Institute for Health and Care Excellence
NICE CKS	Clinical Knowledge Summaries
NICE IPG	Interventional Procedure Guidance
Osteoarthritis	Degeneration of joint cartilage and the underlying bone, most common from middle age onward. It causes pain and stiffness, especially in the hip, knee, and thumb joints.
Pseudo-locking (or false locking):	Is where there is just too much pain for the knee to move. When the knee is very painful the body protects it by not allowing it to move anymore, this is to reduce the risk of further damage. There is nothing blocking the knee from moving but the brain temporarily 'freezes' the knee. It is more akin to muscle spasm than it is to true locking. It generally only 'freezes' for minutes.
True locking:	A loose body in the knee joint gets stuck or caught and stops the knee from moving at all. The knee remains fixed in the position where it 'locked' despite attempts to manipulate the knee.

## References

1. Greater Manchester Effective Use of Resources Operational Policy
2. Clinical feedback from the MICG MSK group

## Governance Approvals

Name	Date Approved
Greater Manchester Effective Use of Resources Steering Group	v1.0: 16/03/2016 / 16/05/2018 v3.3: 13/11/2018
Greater Manchester Directors of Commissioning / Greater Manchester Chief Finance Officers	v1.0: 14/02/2017
Greater Manchester Directors of Commissioning / Greater Manchester Chief Finance Officers (Delegated authority given to approve policy by Greater Manchester Joint Commissioning Board)	v3.3: 13/11/2018
Greater Manchester Association Governing Group	v1.0: 07/03/2017 v3.3: 13/11/2018
Bolton Clinical Commissioning Group	v1.0: 24/03/2017 v3.3: 21/12/2018
Bury Clinical Commissioning Group	v1.0: 05/04/2017 v3.3: 13/11/2018
Heywood, Middleton & Rochdale Clinical Commissioning Group	v1.0: 07/03/2017 v3.3: 13/11/2018
Manchester Clinical Commissioning Group	v1.0: North: 15/03/2017 Central: 15/03/2017 South: 15/03/2017 v3.3: 13/11/2018
Oldham Clinical Commissioning Group	v1.0: 07/03/2017 v3.3: 13/11/2018
Salford Clinical Commissioning Group	v1.0: 07/03/2017 v3.3: 13/11/2018
Stockport Clinical Commissioning Group	v1.0: 07/03/2017 v3.3: 13/11/2018
Tameside & Glossop Clinical Commissioning Group	v1.0: 07/03/2017 v3.3: 13/11/2018
Trafford Clinical Commissioning Group	v1.0: 21/03/2017 v3.3: 13/11/2018
Wigan Borough Clinical Commissioning Group	v1.0: 03/05/2017 v3.3: 13/11/2018

## Appendix 1 – Evidence Review

### Knee arthroscopy GM034

#### Search Strategy

The following databases are routinely searched: NICE Clinical Guidance and full website search; NHS Evidence and NICE CKS; SIGN; Cochrane; York; and the relevant Royal College and any other relevant bespoke sites. A Medline / Open Athens search is undertaken where indicated and a general google search for key terms may also be undertaken. The results from these and any other sources are included in the table below. If nothing is found on a particular website it will not appear in the table below:

Database	Result
NICE	NICE IPG230: Arthroscopic knee washout, with or without debridement, for the treatment of osteoarthritis (Published: August 2007)
NHS Evidence and NICE CKS	<p>NICE IPG230 and Cochrane study (cited elsewhere on this table)</p> <p>Arthroscopic surgery for degenerative knee arthritis and meniscal tears: a clinical practice guideline. Reed A C Siemieniuk, et al BMJ 2017;357:j1982doi: 10.1136/bmj.j1982 (added at review Jan 2018)</p> <p>Exercise therapy versus arthroscopic partial meniscectomy for degenerative meniscal tear in middle aged patients: randomised controlled trial with two year follow-up Nina Jullum Kise et al BMJ 2016;354:i3740 <a href="http://dx.doi.org/10.1136/bmj.i3740">http://dx.doi.org/10.1136/bmj.i3740</a> (added at review Jan 2018)</p>
Cochrane	<p>Cochrane Database Systematic Review: Joint lavage for osteoarthritis of the knee, Reichenbach S, Rutjes AWS, Nuesch E, Trelle S, Jüni P, Published: 2010</p> <p>Cochrane Database Systematic Review: Arthroscopic debridement for knee osteoarthritis, Laupattarakasem W, Laopaiboon M, Laupattarakasem P, Sumananont C, Published: 2008</p>
BMJ Clinical Evidence	<p>BMJ Clinical Review: Osteoarthritis of the knee, David Scott and Anna Kowalczyk, Search date: October 2006</p> <p>Arthroscopic surgery for degenerative knee: Overused, ineffective, and potentially harmful, Andy Carr, Professor and Director, Botnar Research Centre, Oxford University Institute of Musculoskeletal Sciences, <i>BMJ</i> 2015;350, Published: 16 June 2015</p> <p>Arthroscopic surgery for degenerative knee: systematic review and meta-analysis of benefits and harms, J B Thorlund, C B Juhl, E M Roos, L S Lohmander, <i>BMJ</i> 2015;350:h2747</p>
General Search (Google)	Nil relevant additional to those cited – multiple provider websites
Medline / Open Athens	Not done as relevant systematic reviews found
Other	Royal College of Surgeons / British Orthopaedic Association Commissioning Guide: Painful osteoarthritis of the knee, First published: Nov 2013 (Reviewed Nov 2017) – Updated at review May 2018.

## Summary of the evidence

At the time of the original review there was limited low quality evidence that arthroscopy of the knee unless carried out for specific reasons is only marginally beneficial in the short term. There is more robust evidence that suggests it is no more beneficial than sham treatment and that the risk of arthroscopy with or without knee arthroscopy, lavage and debridement outweighs the benefits in middle aged or older patients with or without evidence of osteoarthritis.

The new evidence suggests that arthroscopy should not be done to treat the symptoms of a degenerative knee and should not be used to manage meniscal tears. The evidence shows that the outcomes for treatment with exercise is as effective as arthroscopy in the long term. Although arthroscopy does show slightly better outcomes in the first six months, it is associated with more risk and has a higher cost to both patient and healthcare commissioner.

## The evidence

### Levels of evidence

Level 1	Meta-analyses, systematic reviews of randomised controlled trials
Level 2	Randomised controlled trials
Level 3	Case-control or cohort studies
Level 4	Non-analytic studies e.g. case reports, case series
Level 5	Expert opinion

### 1. LEVEL N/A: NICE INTERVENTIONAL PROCEDURE GUIDANCE

**NICE IPG 230: Arthroscopic knee washout, with or without debridement, for the treatment of osteoarthritis, Published: August 2007**

#### Guidance

- 1.1 Evidence on the safety and efficacy of arthroscopic knee washout with debridement for the treatment of osteoarthritis is adequate to support the use of this procedure provided that normal arrangements are in place for consent, audit and clinical governance.
- 1.2 Current evidence suggests that arthroscopic knee washout alone should not be used as a treatment for osteoarthritis because it cannot demonstrate clinically useful benefit in the short or long term.

### 2. LEVEL 1: SYSTEMATIC REVIEW

**Cochrane Database Systematic Review: Joint lavage for osteoarthritis of the knee, Reichenbach S, Rutjes AWS, Nüesch E, Trelle S, Jüni P, Published: 2010**

#### ABSTRACT

**Background:** Osteoarthritis is the most common form of joint disorder and a leading cause of pain and physical disability. Observational studies suggested a benefit for joint lavage, but recent, sham-controlled trials yielded conflicting results, suggesting joint lavage not to be effective.

**Objectives:** To compare joint lavage with sham intervention, placebo or non-intervention control in terms of effects on pain, function and safety outcomes in patients with knee osteoarthritis.

**Search methods:** We searched CENTRAL, MEDLINE, EMBASE, and CINAHL up to 3 August 2009, checked conference proceedings, reference lists, and contacted authors.

#### Selection criteria

We included studies if they were randomised or quasi-randomised trials that compared arthroscopic and non-arthroscopic joint lavage with a control intervention in patients with osteoarthritis of the knee. We did not apply any language restrictions.

**Data collection and analysis:** Two independent review authors extracted data using standardised forms. We contacted investigators to obtain missing outcome information. We calculated standardised mean differences (SMDs) for pain and function, and risk ratios for safety outcomes. We combined trials using inverse-variance random-effects meta-analysis.

**Main results:** We included seven trials with 567 patients. Three trials examined arthroscopic joint lavage, two non-arthroscopic joint lavage and two tidal irrigation. The methodological quality and the quality of reporting was poor and we identified a moderate to large degree of heterogeneity among the trials ( $I^2 = 65\%$ ). We found little evidence for a benefit of joint lavage in terms of pain relief at three months (SMD -0.11, 95% CI -0.42 to 0.21), corresponding to a difference in pain scores between joint lavage and control of 0.3 cm on a 10-cm visual analogue scale (VAS). Results for improvement in function at three months were similar (SMD -0.10, 95% CI -0.30 to 0.11), corresponding to a difference in function scores between joint lavage and control of 0.2 cm on a WOMAC disability sub-scale from 0 to 10. For pain, estimates of effect sizes varied to some degree depending on the type of lavage, but this variation was likely to be explained by differences in the credibility of control interventions: trials using sham interventions to closely mimic the process of joint lavage showed a null-effect. Reporting on adverse events and drop out rates was unsatisfactory, and we were unable to draw conclusions for these secondary outcomes.

**Authors' conclusions:** Joint lavage does not result in a relevant benefit for patients with knee osteoarthritis in terms of pain relief or improvement of function.

### 3. LEVEL 1: SYSTEMATIC REVIEW

**Cochrane Database Systematic Review: Arthroscopic debridement for knee osteoarthritis, Laopattarakasem W, Laopaiboon M, Laopattarakasem P, Sumananont C, Published: 2008**

#### ABSTRACT

**Background:** Knee osteoarthritis (OA) is a progressive disease that initially affects the articular cartilage. Observational studies have shown benefits for arthroscopic debridement (AD) on the osteoarthritic knee, but other recent studies have yielded conflicting results that suggest AD may not be effective.

**Objectives:** To identify the effectiveness of AD in knee OA on pain and function.

**Search methods:** We searched the Cochrane Central Register of Controlled Trials (CENTRAL) (The Cochrane Library Issue 2, 2006); MEDLINE (1966 to August, 2006); CINAHL (1982 to 2006); EMBASE (1988 to 2006) and Web of Science (1900 to 2006) and screened the bibliographies, reference lists and cited web sites of papers.

**Selection criteria:** We included randomised controlled trials (RCT) or controlled clinical trials (CCT) assessing effectiveness of AD compared to another surgical procedure, including sham or placebo surgery and other non-surgical interventions, in patients with a diagnosis of primary or secondary OA of the knees, who did not have other joint involvement or conditions requiring long term use of non-steroidal anti-inflammatory drugs (NSAIDs). The main outcomes were pain relief and improved function of the knee.

**Data collection and analysis:** Two review authors independently selected trials for inclusion, assessed trial quality and extracted the data. Results are presented using weighted mean difference (WMD) for continuous data and relative risk (RR) for dichotomous data, and the number needed to treat to benefit (NNTB) or harm (NNTH).

**Main results:** Three RCTs were included with a total of 271 patients. They had different comparison groups and a moderate risk of bias. One study compared AD with lavage and with sham surgery. Compared to lavage the study found no significant difference. Compared to sham surgery placebo, the study found worse outcomes for AD at two weeks (WMD for pain 8.7, 95% CI 1.7 to 15.8, and function 7.7, 95% CI 1.1 to 14.3; NNTH=5) and no significant difference at two years. The second trial, at higher risk of bias, compared AD and arthroscopic washout, and found that AD significantly reduced knee pain compared to washout at five years (RR 5.5, 95% CI 1.7 to 15.5; NNTB=3). The third trial, also at higher risk of bias, compared AD to closed-needle lavage, and found no significant difference.

**Authors' conclusions:** There is 'gold' level evidence that AD has no benefit for indiscriminated OA (mechanical or inflammatory causes).

#### 4. LEVEL 1: SYSTEMATIC REVIEW

**BMJ Clinical Review: Osteoarthritis of the knee, David Scott and Anna Kowalczyk, Search date: October 2006**

##### ABSTRACT

**Introduction:** Osteoarthritis of the knee affects about 10% of adults aged over 60 years, with risk increased in those with obesity, and joint damage or abnormalities. Progression of disease on x rays is commonplace, but x ray changes don't correlate well with clinical symptoms.

**Methods and Outcomes:** We conducted a systematic review and aimed to answer the following clinical questions: What are the effects of non-surgical treatments for osteoarthritis of the knee? What are the effects of surgical treatments for osteoarthritis of the knee? We searched: Medline, Embase, The Cochrane Library and other important databases up to October 2006 (BMJ Clinical Evidence reviews are updated periodically, please check our website for the most up-to-date version of this review). We included harms alerts from relevant organisations such as the US Food and Drug Administration (FDA) and the UK Medicines and Healthcare products Regulatory Agency (MHRA).

**Results:** We found 74 systematic reviews, RCTs, or observational studies that met our inclusion criteria. We performed a GRADE evaluation of the quality of evidence for interventions.

**Conclusions:** In this systematic review we present information relating to the effectiveness and safety of the following interventions: acupuncture, capsaicin, chondroitin, education to aid self-management, exercise and physiotherapy, glucosamine, insoles, intra-articular corticosteroids, intra-articular hyaluronan, joint bracing, knee replacement, non-steroidal anti-inflammatory drugs (including topical non-steroidal anti-inflammatory drugs), opioid analgesics, osteotomy, simple analgesics, and taping.

#### 5. LEVEL N/A: MIX OF SYSTEMATIC REVIEWS AND PROFESSIONAL EXPERT OPINION

**Royal College of Surgeons / British Orthopaedic Association Commissioning Guide: Painful osteoarthritis of the knee, First published: Nov 2013 (Updated Nov 2017) – Added at review May 2018**

##### Nov 2013: Surgical option: Arthroscopy

Knee arthroscopy, lavage and debridement should be considered in patients:

- With clear history of mechanical symptoms e.g. locking that have not responded to at least 3 months of non-surgical treatment
- a specific surgical target such as loose bodies
- Where a detailed understanding of the degree of compartment damage within the knee is required, above that demonstrated by imaging, when considering patients for certain surgical interventions (e.g. high tibial osteotomy)

Knee arthroscopy, lavage and debridement should NOT be offered for patient with non-mechanical symptoms of pain and stiffness.

##### Nov 2017: Surgical option: Arthroscopy

Knee arthroscopy, lavage and debridement should NOT be offered for patient with non-mechanical symptoms of pain and stiffness <sup>(3) (32)</sup>.

Knee arthroscopy, lavage and debridement should only be considered in patients: <sup>(3) (32) (33) (34)</sup>

- With clear history of mechanical symptoms e.g. locking that have not responded to at least 3 months of non-surgical treatment.
- Where a detailed understanding of the degree of compartment damage within the knee is required, above that demonstrated by imaging, when considering patients for certain surgical interventions (e.g. high tibial osteotomy).

With all surgical options, an enhanced recovery programme should be in place in all providers.

References referred to above:



3. NICE. CG177: Osteoarthritis-The care and management of osteoarthritis in adults. London: National Institute for Health and Care Excellence (NICE), 2014.
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33. Reichenbach S, Rutjes AW, Nuesch E, et al. Joint lavage for osteoarthritis of the knee. *Cochrane Database Syst Rev* 2010(5):CD007320.
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## 6. LEVEL N/A: BMJ EDITORIAL

**Arthroscopic surgery for degenerative knee: Overused, ineffective, and potentially harmful, Andy Carr, Professor and Director, Botnar Research Centre, Oxford University Institute of Musculoskeletal Sciences, *BMJ* 2015;350, Published: 16 June 2015**

The most frequent indication for knee arthroscopy is degenerative joint disease in middle aged and older patients. Each year, more than 700 000 knee arthroscopies are done in the United States and 150 000 in the United Kingdom. Magnetic resonance imaging evidence of meniscal abnormality, osteophytes, cartilage damage, and bone marrow lesions is often present. All these imaging abnormalities are common in the general population and are often asymptomatic. The evidence base for arthroscopic surgery is known to be weak, and a pressing need exists for more high quality multicentre randomised controlled trials, systematic reviews, and meta-analyses to inform clinicians and improve care for patients. Researchers have already reported that trials of arthroscopic surgery find no benefit over control interventions ranging from exercises to placebo surgery.

A linked paper by Thorlund and colleagues (doi:10.1136/bmj. h2747) adds substantially to the debate by systematically reviewing all the evidence on the benefits and harms of arthroscopic knee surgery for middle aged and older adults with knee pain and degenerative knee disease. The authors report that the small benefit seen after arthroscopic surgery of the knee is short lived and disappears within one to two years. In the light of this evidence, why is arthroscopy still so common? It even seems to be increasing in both North America and Europe. Is the published evidence flawed? This is certainly the view of some surgeons, including the editors of the journal *Arthroscopy* who believe that “the *New England Journal of Medicine* is biased against knee surgery.” In the journal’s defence, the available evidence is certainly of low quality in places. Only two of the nine trials reviewed by Thorlund and colleagues were adequately blinded, and many of the other trials had a high risk of bias. In five of the nine trials, the comparator was exercise therapy that was poorly described and given at a suboptimal dose. Another possibility is that surgeons are falling prey to confirmation or myside bias, whereby robust and high quality evidence is contested and ignored in favour of deeply held convictions or entrenched attitudes. Such bias is not new and was well described by Leo Tolstoy in 1899: “I know that most men not only those considered clever, but even those who are very clever, and capable of understanding most difficult scientific, mathematical, or philosophic problems can very seldom discern even the simplest and most obvious truth if it be such as to oblige them to admit the falsity of conclusions they have formed, perhaps with much difficulty conclusions of which they are proud, which they have taught to others, and on which they have built their lives.” One thing is clear from all randomised trials: patients improve after arthroscopy. This is in line with surgeons’ own observations and with evidence from uncontrolled observational studies. However, in robust and bias-free trials that use placebo controls, active treatment works no better than control treatment. In response, leaders of the arthroscopic surgery community have asserted that patients who participate in placebo controlled trials “may not be of entirely sound mind” and that “ethically, sham surgery is a questionable research method, which may be harmful.” A recent systematic review of the use of placebo in surgical trials shows that in more than half of these studies surgery had no greater effect than a placebo. This review also reported that very few harms occurred after placebo surgery. Placebo surgery was safer than the treatment under investigation. These findings make a strong case for the use of placebo controls when a placebo effect may be present and for the discontinuation of procedures that offer patients no discernible benefit. The treatment effect associated with arthroscopic surgery of the knee may well have a placebo component. Outcomes are mostly subjective—improvement in pain is the main justification for the procedure. Placebo effects can be modified and substantially enhanced by a variety of factors that alter beliefs and expectations. Importantly, Thorlund and colleagues also review the harms associated with arthroscopic knee surgery.

They were unable to identify harm from randomised trials alone because the trials were too small, so they did a wider review including observational studies. These studies were heterogeneous and inconsistent, but the risks associated with non-surgical treatment including exercises are clearly rare and minor. Harms associated with arthroscopic surgery are also rare but include serious adverse events such as deep venous thrombosis, infection, pulmonary embolus, and death.

Supporting or justifying a procedure with the potential for serious harm, even if this is rare, is difficult when that procedure offers patients no more benefit than a placebo. If, as reported, the mortality associated with arthroscopic knee surgery is 0.96 (95% confidence interval 0.04 to 23.9) per 1000 cases and the rate of deep venous thrombosis is 4.13 (1.78 to 9.60) per 1000 cases then, with rates of surgery at their current level, a substantial number of lives could be saved and deep venous thromboses prevented each year if this treatment were to be discontinued or diminished.

We may be close to a tipping point where the weight of evidence against arthroscopic knee surgery for pain is enough to overcome concerns about the quality of the studies, confirmation bias, and vested interests. When that point is reached, we should anticipate a swift reversal of established practice.

Competing interests: I have read and understood the BMJ policy on declaration of interests and declare the following interests: I am supported by the NIHR Oxford Biomedical Research Unit and have received research grants from NIHR and Arthritis Research UK.

## **7. LEVEL 1: SYSTEMATIC REVIEW**

**Arthroscopic surgery for degenerative knee: systematic review and meta-analysis of benefits and harms, J B Thorlund, C B Juhl, E M Roos, L S Lohmander, BMJ 2015;350:h2747**

### **ABSTRACT**

**Objective:** To determine benefits and harms of arthroscopic knee surgery involving partial meniscectomy, debridement, or both for middle aged or older patients with knee pain and degenerative knee disease.

**Design:** Systematic review and meta-analysis.

**Main outcome measures:** Pain and physical function.

**Data sources:** Systematic searches for benefits and harms were carried out in Medline, Embase, CINAHL, Web of Science, and the Cochrane Central Register of Controlled Trials (CENTRAL) up to August 2014. Only studies published in 2000 or later were included for harms.

**Eligibility criteria for selecting studies:** Randomised controlled trials assessing benefit of arthroscopic surgery involving partial meniscectomy, debridement, or both for patients with or without radiographic signs of osteoarthritis were included. For harms, cohort studies, register based studies, and case series were also allowed.

**Results:** The search identified nine trials assessing the benefits of knee arthroscopic surgery in middle aged and older patients with knee pain and degenerative knee disease. The main analysis, combining the primary endpoints of the individual trials from three to 24 months postoperatively, showed a small difference in favour of interventions including arthroscopic surgery compared with control treatments for pain (effect size 0.14, 95% confidence interval 0.03 to 0.26). This difference corresponds to a benefit of 2.4 (95% confidence interval 0.4 to 4.3) mm on a 0-100 mm visual analogue scale. When analysed over time of follow-up, interventions including arthroscopy showed a small benefit of 3-5 mm for pain at three and six months but not later up to 24 months. No significant benefit on physical function was found (effect size 0.09, -0.05 to 0.24). Nine studies reporting on harms were identified. Harms included symptomatic deep venous thrombosis (4.13 (95% confidence interval 1.78 to 9.60) events per 1000 procedures), pulmonary embolism, infection, and death.

**Conclusions:** The small inconsequential benefit seen from interventions that include arthroscopy for the degenerative knee is limited in time and absent at one to two years after surgery. Knee arthroscopy is associated with harms. Taken together, these findings do not support the practise of arthroscopic surgery for middle aged or older patients with knee pain with or without signs of osteoarthritis.



## 8. LEVEL N/A: EVIDENCE BASED CLINICAL PRACTICE GUIDELINE

**Arthroscopic surgery for degenerative knee arthritis and meniscal tears: a clinical practice guideline.** Reed A C Siemieniuk, et al, BMJ 2017;357:j1982 doi: 10.1136/bmj.j1982

### EXTRACT FROM TEXT:

What is degenerative disease?

Degenerative knee disease is an inclusive term, which many consider synonymous with osteoarthritis. We use the term degenerative knee disease to explicitly include patients with knee pain, particularly if they are >35 years old, with or without:

- Imaging evidence of osteoarthritis
- Meniscus tears
- Locking, clicking, or other mechanical symptoms except
- persistent objective locked knee
- Acute or subacute onset of symptoms

Most people with degenerative arthritis have at least one of these characteristics. The term degenerative knee disease does not include patients having recent debut of their symptoms after a major knee trauma with acute onset of joint swelling (such as hemarthrosis)

### What you need to know:

- We make a strong recommendation against the use of arthroscopy in nearly all patients with degenerative knee disease, based on linked systematic reviews; further research is unlikely to alter this recommendation
- This recommendation applies to patients with or without imaging evidence of osteoarthritis, mechanical symptoms, or sudden symptom onset
- Healthcare administrators and funders may use the number of arthroscopies performed in patients with degenerative knee disease as an indicator of quality care.
- Knee arthroscopy is the most common orthopaedic procedure in countries with available data
- This Rapid Recommendation package was triggered by a randomised controlled trial published in The BMJ in June 2016 which found that, among patients with a degenerative medial meniscus tear, knee arthroscopy was no better than exercise therapy

### Meniscus tears

Meniscus tears are common, usually incidental findings, and unlikely to be the cause of knee pain, aching, or stiffness. Mechanical symptoms were also a prominent feature for most trial participants, and many had sudden or subacute onset of symptoms. Given that there is evidence of harm and no evidence of important lasting benefit in any subgroup, the panel believes that the burden of proof rests with those who suggest benefit for any other particular subgroup before arthroscopic surgery is routinely performed in any subgroup of patients.

## 9. LEVEL 2: RANDOMISED CONTROLLED TRIAL

**Exercise therapy versus arthroscopic partial meniscectomy for degenerative meniscal tear in middle aged patients: randomised controlled trial with two year follow-up,** Nina Jullum Kise et al, BMJ 2016;354:i3740 <http://dx.doi.org/10.1136/bmj.i3740>

### ABSTRACT

**Objective:** To determine if exercise therapy is superior to arthroscopic partial meniscectomy for knee function in middle aged patients with degenerative meniscal tears.

**Design:** Randomised controlled superiority trial.

**Setting:** Orthopaedic departments at two public hospitals and two physiotherapy clinics in Norway.

**Participants:** 140 adults, mean age 49.5 years (range 35.7-59.9), with degenerative medial meniscal tear verified by magnetic resonance imaging. 96% had no definitive radiographic evidence of osteoarthritis.

**Interventions:** 12 week supervised exercise therapy alone or arthroscopic partial meniscectomy alone.

**Main outcome measures:** Intention to treat analysis of between group difference in change in knee injury and osteoarthritis outcome score (KOOS4), defined a priori as the mean score for four of five KOOS subscale scores (pain, other symptoms, function in sport and recreation, and knee related quality of life) from baseline to two year follow-up and change in thigh muscle strength from baseline to three months.

**Results:** No clinically relevant difference was found between the two groups in change in KOOS4 at two years (0.9 points, 95% confidence interval -4.3 to 6.1;  $P=0.72$ ). At three months, muscle strength had improved in the exercise group ( $P\leq 0.004$ ). No serious adverse events occurred in either group during the two year follow-up. 19% of the participants allocated to exercise therapy crossed over to surgery during the two year follow-up, with no additional benefit.

**Conclusion:** The observed difference in treatment effect was minute after two years of follow-up, and the trial's inferential uncertainty was sufficiently small to exclude clinically relevant differences. Exercise therapy showed positive effects over surgery in improving thigh muscle strength, at least in the short term. Our results should encourage clinicians and middle aged patients with degenerative meniscal tear and no definitive radiographic evidence of osteoarthritis to consider supervised exercise therapy as a treatment option.

**Trial registration:** [www.clinicaltrials.gov](http://www.clinicaltrials.gov) (NCT01002794).

## Appendix 2 – Diagnostic and Procedure Codes

### Knee arthroscopy GM034

(All codes have been verified by Mersey Internal Audit's Clinical Coding Academy)

<b>GM034 - Knee Arthroscopy, lavage and debridement</b>	
Endoscopic irrigation of knee joint	W85.2
Open debridement of joint NEC	W80.2
Arthroscopic approach to joint (Only when supplementary to W80.2)	Y76.7
Knee joint (Only when supplementary to W80.2)	Z84.6
Endoscopic removal of loose body from of knee joint	W85.1
<b>With the following ICD-10 diagnosis code(s):</b>	
<b>Note: The following codes are not commissioned under the policy unless they are secondary to M23.8 – Other internal derangement of knee or M23.4 - loose body in knee</b>	
Primary gonarthrosis, bilateral	M17.0
Other primary gonarthrosis	M17.1
Post-traumatic gonarthrosis, bilateral	M17.2
Other post-traumatic gonarthrosis	M17.3
Other secondary gonarthrosis, bilateral	M17.4
Other secondary gonarthrosis	M17.5
Gonarthrosis, unspecified	M17.9
Primary generalized (osteo)arthrosis (If patient has OA of the knee and another joint)	M15.0
Heberden nodes (with arthropathy) (If patient has OA of the knee and another joint)	M15.1
Bouchard nodes (with arthropathy) (If patient has OA of the knee and another joint)	M15.2
Secondary multiple arthrosis (If patient has OA of the knee and another joint)	M15.3
Erosive (osteo)arthrosis (If patient has OA of the knee and another joint)	M15.4
Other polyarthrosis (If patient has OA of the knee and another joint)	M15.8
Polyarthrosis, unspecified (If patient has OA of the knee and another joint)	M15.9
Pain in joint – knee	M25.56
<b>Policy excludes knee arthroscopy as a means of accessing the knee joint, which includes the OPCS-4 diagnostic examination codes:</b>	
Diagnostic endoscopic examination of knee joint and biopsy of lesion of knee joint	W87.1
Other specified diagnostic endoscopic examination of knee joint	W87.8
Unspecified diagnostic endoscopic examination of knee joint	W87.9
Endoscopic repair of semilunar cartilage	W82.3
Endoscopic resection of semilunar cartilage NEC	W82.2

Endoscopic total excision of semilunar cartilage	W82.1
<b>Exception ICD-10 diagnosis code(s):</b>	
Derangement of meniscus due to old tear or injury	M23.2
Other meniscus derangements	M23.3
Sprain and Strain involving (anterior) (posterior) cruciate ligament of knee	S83.5
Tear of meniscus current	S83.2

## Appendix 3 – Version History

### Knee arthroscopy GM034

The latest version of this policy can be found here [GM Knee arthroscopy, lavage and debridement policy](#)

Version	Date	Summary of Changes
0.1	23/10/2015	Initial draft
0.2	16/12/2015	<ul style="list-style-type: none"> <li>GM EUR Steering Group reviewed the draft policy on the 18 November 2015 and requested no changes except to add a funding mechanism of Monitored Approval.</li> <li>GM EUR Steering Group approved the draft policy to go out for a period of clinical engagement</li> </ul>
	15/03/2016	Report updated to Greater Manchester Shared Services template and references to North West Commissioning Support Unit changed to Greater Manchester Shared Services.
1.0	16/03/2016	<p>GM EUR Steering Group reviewed the draft policy on 16 March 2016 following feedback received during Clinical Engagement and the following changes were approved:</p> <ul style="list-style-type: none"> <li>Commissioning Recommendation and Section 4. Criteria for Commissioning: <ul style="list-style-type: none"> <li>'<i>Routinely Commissioned</i>' sub heading added beneath 'Mandatory Criteria' and sentence added to state: '<i>NOTE: A locked knee that is 'fixed' should be referred urgently.</i>'</li> <li>'Not Commissioned' sub heading added beneath 'Mandatory Criteria' and sentences added to state: '<i>For the management of uncomplicated degenerative disease</i>' and also '<i>NOTE: If any of the above mandatory criteria are also present in a degenerative knee, referral should be made.</i>'</li> <li>Under 'Policy Exclusions' the following added to the end of first sentence: '<i>..., i.e. locally agreed policies take precedent over this policy (The EUR Team should be informed of any local policy for this exclusion to take effect).</i>'</li> </ul> </li> <li>Wording for date of review changed</li> <li>Appendix 2 added ready for list of diagnostic and procedure codes in relation to this policy.</li> </ul> <p>Subject to the above changes being made the GM EUR Steering Group approved the policy to go through the governance process</p>
1.1	21/09/2016	<p>The GM EUR Steering Group agreed the following changes:</p> <ul style="list-style-type: none"> <li>Following the publication of a new BMJ editorial and review paper the criteria for non-specific knee pain was amended to state that it is not commissioned.</li> <li>The funding mechanism was amended to monitored approval for locking that has not responded to at least 3 months of non-surgical treatment, individual prior approval for a specific surgical target such as loose bodies and exceptionality for all other cases.</li> </ul>
	21/12/2016	List of procedure and diagnostic codes added to Appendix 2.
	07/03/2017	Approved by Greater Manchester Association Governing Group
	08/03/2017	Policy transferred to new template format.

1.2	06/06/2018	<p><b>Note:</b> These codes were added to the policy whilst version 2 of the policy was being developed.</p> <p><u>Appendix 2</u></p> <ul style="list-style-type: none"> <li>Added OPCS-4 code W85.1 Endoscopic removal of loose body from knee joint</li> </ul> <p>Added ICD-10 codes W82.3 Endoscopic repair of semilunar cartilage; W82.2 Endoscopic resection of semilunar cartilage NEC &amp; W82.1 Endoscopic total excision of semilunar cartilage to 'Exceptions'</p>
2.0	17/01/2018	<p>Policy reviewed by GM EUR Steering Group and the following changes were agreed:</p> <ul style="list-style-type: none"> <li><u>Policy Exclusions:</u> Paragraph added to state: <i>'If there is fixed (true) locking of the knee joint that cannot be mobilized then <b>the patient should be referred urgently for treatment.</b> These referrals may be audited to check for compliance with this policy.'</i></li> <li><u>Policy Inclusions Criteria:</u> <ul style="list-style-type: none"> <li>Section amended (including the funding mechanism) following new evidence suggesting that arthroscopy should not be done to treat the symptoms of a degenerative knee and should not be used to manage meniscal tears.</li> <li>Definitions of 'Intermittent (True) locking' and 'Pseudo-locking (or false locking)' have been added as a footnote.</li> </ul> </li> <li><u>Glossary:</u> 'Pseudo-locking (or false locking)' and 'True Locking' added.</li> <li><u>Appendix 1:</u> Evidence review updated</li> </ul> <p>The GM EUR Steering Group considered the above changes to be material and requested that the revised policy go back out for a period of clinical engagement.</p>
2.1	16/05/2018	<p>Following review of Clinical Engagement feedback the GM EUR Steering Group agreed following amendments:</p> <ul style="list-style-type: none"> <li>'lavage and debridement' removed from title of policy and where mentioned throughout policy</li> <li><u>Commissioning Statement</u> <ul style="list-style-type: none"> <li><i>'(Alternative commissioning arrangements apply)'</i> added after 'Policy Exclusions' heading</li> <li>Paragraphs added to <i>'Policy Exclusions'</i> section around micro-fracturing to repair traumatic damage and knee arthroscopy following injury for under 35s.</li> <li><i>'Fitness for Surgery'</i> section added</li> <li>First paragraph added under <i>'Policy Inclusion Criteria'</i> - taken from clinical feedback from MICG MSK group</li> <li>Note added that Autografts are commissioned by NHSE.</li> <li>Under <i>'Commissioned'</i> heading, section rewritten to incorporate feedback from Clinical Engagement</li> <li>Under <i>'Not Commissioned'</i> heading, note added to state <i>'NOTE: Arthroscopy with allograft is considered to be unproven at present and application for this procedure will need to be made using the GM Experimental &amp; Unproven Treatments policy'</i> and bullet point added to state <i>'For non-symptomatic meniscal tears only found on MRI that are not causing the knee to lock'</i></li> <li>Endnote definition of <i>'Pseudo-locking'</i> amended.</li> </ul> </li> <li><u>Treatment/Procedure:</u> Picture under <i>'Lavage'</i> removed.</li> <li><u>References:</u> Reference added for <i>'Clinical feedback from the MICG MSK group'</i></li> <li><u>Appendix 1:</u> Extract from <i>'Royal College of Surgeons / British Orthopaedic Association Commissioning Guide: Painful osteoarthritis of the knee'</i></li> </ul>

		<p>updated</p> <p>The draft policy will return to the GM EUR Steering Group for final approval to move through the governance process.</p>
2.2	18/07/2018	<p>Changes made in v2.1 were reviewed by the group and approved. The following further amendments we agreed:</p> <p><u>Policy Inclusion Criteria</u></p> <ul style="list-style-type: none"> <li>• The following paragraph removed: <i>'The evidence now suggests that conservative management is as good as surgical intervention for this group, with much less risk and cost. Unless there is an unstable meniscal tear such as flap, cleavage or radial with refractory pain and lock/give way<sup>2</sup>,</i> and replaced with a <i>'Prior to referral'</i> section.</li> <li>• Funding mechanism for the bullet point <i>'an individual between the ages of 35 and 55 with a history of trauma to the knee and the arthroscopy will delay the need for knee replacement'</i> added for IPA at Clinical Triage.</li> <li>• <i>'Not Commissioned'</i> section reworded for clarity</li> </ul> <p>Following the above changes the group agreed that the policy could go through the governance process.</p>
2.3	01/10/2018	<p>Branding changed to reflect change of service from Greater Manchester Shared Services to Greater Manchester Health and Care Commissioning.</p>
2.4	13/11/2018	<p>Approved by Greater Manchester Directors of Commissioning / Greater Manchester Chief Finance Officers (Delegated authority given to approve policy by Greater Manchester Joint Commissioning Board).</p> <ul style="list-style-type: none"> <li>• <u>Commissioning Statement:</u> Fitness for Surgery and Best Practice Guidelines section added</li> <li>• <u>Date of Review:</u> Date amended to state <i>'One year'</i> as the policy had recently gone back through the governance process.</li> </ul>
2.5	15/01/2019	<ul style="list-style-type: none"> <li>• Links updated as documents have all moved to a new EUR web address</li> <li>• <u>Commissioning Statement:</u> <ul style="list-style-type: none"> <li>○ <i>'Fitness for Surgery'</i> section moved to bottom of <i>'Commissioning Statement'</i></li> <li>○ <i>'Best Practice Guideline'</i> section moved to bottom of <i>'Commissioning Statement'</i></li> </ul> </li> </ul>