

*Literature Search: Lower Extremity Medical Treatment Guidelines-Search Terms and Topics*

The literature search included articles published from 2004 to 2008. Some searches incorporated a broader range of dates to address input from stakeholders. The literature search was conducted from approximately August 2008 until January 2009. Please also see the Division General Literature Search Strategy. [Click Here](#)

“RANDOMIZED CONTROLLED TRIAL” PLUS-

Chondrocyte implantation  
Knee osteoarthritis/arthroplasty  
Knee osteoarthritis/hyaluronic acid  
Knee osteoarthritis/chondroitin  
Knee osteoarthritis/glucosamine  
Meniscal allograft  
Total knee arthroplasty  
Medial compartment knee arthroplasty  
Patellofemoral syndrome  
Posterior cruciate ligament  
Anterior cruciate ligament  
Total hip arthroplasty  
Osteolysis/knee **or** hip arthroplasty  
Calcaneus fracture  
Ankle collateral ligaments  
Arthrodesis  
Arthroplasty

*The search also included the following topics and queries:*

Initial diagnostic procedures:

Specific physical exam procedures  
Sensitivity/specificity  
Radiographic imaging

Follow-up diagnostic procedures:

MRI-How predictive for making specific diagnosis?  
Somatosensory-evoked potentials-should it be in electrodiagnostic?

Specific Diagnosis/Testing/Treatment

Bone growth stimulator

-Pulsed ultrasound

Recombinant human bone morphogenetic Protein (RhBMP)

Calcaneal Fracture

Bisphosphonates/osteoporosis

Ankle orthropathy

-arthroplasty

Plantar fasciitis

-Extra corporeal Shock Wave Therapy (ECSWT [Extracorporeal shock wave therapy])

-Laser treatment

Specific to knee

- Chondral defect
- Ultrasound
- Aggravated osteoarthritis
- Occupational relationships
- Relationship to obesity
- Topicals
- Aquatic
- Chondroitin
- SAME (s-adenosyl methane)

Viscosupplementation?

Operative Treatment

- Tibial osteotomy
- Mobile/non-mobile prosthesis
- Continuous passive motion
- Unicompartment prosthesis
  - Retention of posterior cruciate ligament

Anterior cruciate ligament

- Improve indications for surgery

Meniscus

- Allograft

Patella

- Patellectomy

Hip

- Indications for hip arthroplasty

Non-operative Treatment:

Injections:

- Prolotherapy?
- Viscosupplementation – indications, length or relief?
- Mesenchymal – stem cell transfer/platelet

Medications/Medical Management

- Chondroitin-intramuscular
- Glucosamine
- Narcotics-time parameters
- Topicals/anti-inflammatories
- Medications

Interdisciplinary

- Evidence specific to hip and knee

Orthotics-Update language

Passive therapy

- Continuous passive motion
- Fluidotherapy
- Contrast baths
- Recommendations on ultrasound

Rule 17, Exhibit 6 - Lower Extremity Medical Treatment Guidelines: Revised-June 2009

Operative Procedures:

- Update knee replacement
- Update hip replacement
- Stump care post-amputation