# **Cigna Medical Coverage Policies – Musculoskeletal Knee Surgery: Arthroscopic and Open Procedures**

Effective August 1, 2024





#### Instructions for use

The following coverage policy applies to health benefit plans administered by Cigna. Coverage policies are intended to provide guidance in interpreting certain standard Cigna benefit plans and are used by medical directors and other health care professionals in making medical necessity and other coverage determinations. Please note the terms of a customer's particular benefit plan document may differ significantly from the standard benefit plans upon which these coverage policies are based. For example, a customer's benefit plan document may contain a specific exclusion related to a topic addressed in a coverage policy.

In the event of a conflict, a customer's benefit plan document always supersedes the information in the coverage policy. In the absence of federal or state coverage mandates, benefits are ultimately determined by the terms of the applicable benefit plan document. Coverage determinations in each specific instance require consideration of:

- The terms of the applicable benefit plan document in effect on the date of service
- 2. Any applicable laws and regulations
- 3. Any relevant collateral source materials including coverage policies
- 4. The specific facts of the particular situation

Coverage policies relate exclusively to the administration of health benefit plans. Coverage policies are not recommendations for treatment and should never be used as treatment guidelines.

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# CMM-312: Knee Surgery - Arthroscopic and Open Procedures

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Procedure (HCPCS) Codes (CMM-312)

References (CMM-312)

### **Definitions**

- ➤ **Arthrofibrosis:** a condition of the appendicular skeletal system that has resulted from disease, injury, or surgery, and results in pain and restricted range of motion due to internal scarring of the joint with consequent stiffness.
- ➤ Autologous Chondrocyte Implantation (ACI) or Autologous Chondrocyte
  Transplantation (ACT): a cell-based cartilage repair surgical technique that utilizes
  an individual's own cells in an effort to repair damage to articular cartilage with the
  goal of improving joint function and reducing pain. The procedure involves the
  collection and culture of articular cartilage cells (i.e., chondrocytes) that are then
  implanted into the cartilage defect with the intent that the cultured cells will contribute
  to the regeneration and repair of the articular surface.
  - ◆ Hybrid Autologous Chondrocyte Implantation (ACI): ACI is combined with other surgical repair techniques of cartilage defects (e.g., osteochondral autograft transfer).
- ➤ Kellgren-Lawrence Grading System: a radiographic grading system for describing osteoarthritic changes to the tibial-femoral joint of the knee. When used, the radiographic findings on plain x-rays are typically reported within one of the following categories:
  - ◆ **Grade 0** No radiographic features of osteoarthritis are present
  - ◆ Grade I Doubtful narrowing of joint space and possible osteophytic lipping
  - ◆ **Grade II** Definite osteophytes and possible narrowing of joint space
  - ◆ Grade III Moderate multiple osteophytes, definite narrowing of joint space, some sclerosis, and possible deformity of bone contour
  - Grade IV Large osteophytes, marked narrowing of joint space, severe sclerosis, and definite deformity of bone contour
- ➤ **Kissing Lesion:** an articular cartilage defect on opposing joint surfaces of the knee and that are in contact between either the patella and distal femur or the distal femur and tibia (e.g., bipolar lesion).
- ➤ Lateral Extra-Articular Tenodesis (LEAT): techniques that include a heterogeneous group of procedures beyond just reconstruction of the Anterolateral Ligament (ALL): modified Lemaire technique; Marcacci technique; Losee tenodesis; modified iliotibial band tenodesis; and MacIntosh-modified Coker-Arnold procedure.

- ➤ MACI® Implant: Until recently, Carticel® (Vericel Corporation, Cambridge, MA [formerly Genzyme Biosurgery]) was the only technology that received FDA approval for the culturing of chondrocytes. MACI® Implant (Matrix Induced Autologous Chondrocyte Implant) received approval from the U.S. Food and Drug Administration December 2016 as an autologous cellularized scaffold indicated for repair of single or multiple symptomatic, full-thickness cartilage defects of the knee with or without bone involvement in adults. MACI® Implant is utilized as part of an ACI procedure in which cartilage cells are removed during arthroscopy, and shipped to a laboratory, where the cells are cultured over a period of several weeks. The cells are seeded on a porcine collagen membrane, and once the culturing process is complete, the cells seeded on the membrane are returned to the surgeon for implantation during the procedure. The membrane is placed into the defect and over several months the cells create a matrix that is intended to cover the articular surface of the knee. The safety and effectiveness of MACI® Implant in joints other than the knee has not been established.
- ➤ Modified Outerbridge Classification: a system that has been developed for judging articular cartilage injury to the knee. This system allows delineation of varying areas of chondral pathology, based on the qualitative appearance of the cartilage surface as viewed on MRI, and can assist in identifying those injuries that are suitable for repair techniques. The characterization of cartilage in this system is as follows:
  - ◆ Grade I Softening with swelling
  - ◆ **Grade II** Fragmentation and fissuring less than one square centimeter (1 cm²)
  - Grade III Fragmentation and fissuring greater than one square centimeter (1 cm²)
  - ◆ Grade IV Subchondral bone exposed
- ➤ Mosaicplasty (or osteochondral cylinder transplantation): a surgical technique that consists of harvesting cylindrical bone-cartilage grafts and transplanting them into focal chondral or osteochondral defects in the knee. After excision of the chondral lesion, an abrasion arthroplasty is performed to refresh the base of the defect. The grafting procedure involves collecting grafts from the posterior aspect of the distal femoral articular surfaces (medial condyle, lateral condyle, or trochlea) and implanting the grafts in a mosaic-like pattern that will contribute to regeneration and repair the articular surface. A recipient tunnel is created and sized with a drill bit slightly larger than the length of the graft. The harvested graft is placed in the tunnel by a press-fit method. All subsequent grafts are inserted in a similar pattern.
- ➤ Non-surgical management (with regard to the treatment of knee pain): any provider-directed non-surgical treatment that has been demonstrated in the scientific literature as efficacious and/or is considered reasonable care in the treatment of knee pain. The types of treatment involved can include, but are not limited to, the following: ice; relative rest/activity modification; acupuncture; weight loss; supervised physiotherapy modalities and therapeutic exercises; prescription and non-prescription medications; assistive devices; and/or intra-articular injections.

- ➤ Osteochondral Allograft Transplantation (OATS) Procedure: a procedure that is similar to mosaicplasty, involving the use of a larger, single plug that usually fills an entire defect. It is often performed to graft chondral defects that are also associated with anterior cruciate ligament (ACL) tears. This method allows arthroscopic access to both the ACL and the chondral defect for the performance of a repair and the grafting procedure.
- ➤ Outerbridge Classification: a system that has been developed for judging articular cartilage injury to the knee. This system allows delineation of varying areas of chondral pathology, based on the qualitative appearance of the cartilage surface as viewed by direct visualization intraoperatively, and can assist in identifying those injuries that are suitable for repair techniques. The characterization of cartilage in this system is as follows:
  - ◆ Grade I Softening with swelling
  - ◆ **Grade II** Fragmentation and fissuring less than one square centimeter (1 cm²)
  - Grade III Fragmentation and fissuring greater than one square centimeter (1 cm<sup>2</sup>)
  - Grade IV Subchondral bone exposed
- ➤ Subchondral Drilling or Microfracturing: a surgical procedure that is performed after the calcified cartilage is debrided and the surgeon creates tiny fractures in the adjacent bones (using an awl). Blood and bone marrow (which contains stem cells) seep out of the fractures, creating a blood clot that releases cartilage-building cells. The microfractures are treated as an injury by the body, which is why the surgery results in new, replacement cartilage. Studies have shown that microfracturing techniques do not fill the chondral defect fully and the repair material that forms is fibrocartilage. Fibrocartilage is not as mechanically sound as the original hyaline cartilage; it is much denser and is not able to withstand the demands of everyday activities as well as hyaline cartilage. Therefore, fibrocartilage is at a higher risk of breaking down. The procedure is less effective in treating older individuals, overweight individuals, or in larger cartilage lesions. Furthermore, chances are high that after only one or two years, symptoms start to return as the fibrocartilage wears away, forcing the individual to reengage in articular cartilage repair.

### **General Guidelines**

### **Application of Guideline**

- ➤ The determination of medical necessity for the performance of knee surgery is always made on a case-by-case basis.
- ➤ Manipulation of a knee joint under general anesthesia is included in all arthroscopic knee procedures and is therefore considered incidental to the base procedure requiring medical necessity review.
- ➤ For advanced-imaging indications related to knee conditions refer to MS-25: Knee.
- ➤ For coverage indications for articular cartilage allograft materials, please reference Cigna Medical Coverage Policy: 0118 Bone, Cartilage and Ligament Graft Substitutes
- ➤ For autologous chondrocyte implantation (ACI) and osteochondral allograft/autograft transplantation (OATS) performed performed for locations other than the knee (e.g., ankle, shoulder, elbow), please reference Cigna Medical Coverage Policy: 0515

  Miscellaneous Musculoskeletal Procedures

# <u>Arthroscopic or Open Procedure for Fracture, Tumor, Infection, or Foreign Body</u>

Arthroscopic or open knee surgery may be considered **medically necessary** for **ANY** of the following:

➤ When surgery is being performed for fracture, tumor, infection, or foreign body that has led to or will likely lead to progressive destruction.

## **Diagnostic Arthroscopy**

## **Diagnostic Arthroscopy Indications**

Diagnostic arthroscopy is considered **medically necessary** <u>as a stand-alone procedure</u> when **ALL** of the following criteria have been met:

- ➤ Imaging shows **BOTH** of the following findings:
  - Absence of Kellgren-Lawrence grade II or greater findings on plain radiographs
  - ◆ MRI or CT arthrogram is inconclusive for internal derangement/pathology
- ➤ Physical exam demonstrates **ANY** of the following findings:
  - ◆ Limited range of motion
  - Evidence of joint swelling/effusion
  - Joint line tenderness
- > Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment for at least six (6) months in duration
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

### **Diagnostic Arthroscopy Non-Indications**

#### **Not Medically Necessary**

➤ Diagnostic Arthroscopy is considered **not medically necessary** for **ANY** other indication or condition.

#### Experimental, Investigational, or Unproven (EIU)

- ➤ Based on lack of scientific evidence of efficacy and safety, the following is considered experimental, investigational, or unproven (EIU):
  - "In-office" diagnostic arthroscopy (e.g., Mi-Eye™, VisionScope®)

# Arthroscopic Debridement (Chondroplasty) or Loose Body Removal Arthroscopic Debridement (Chondroplasty) or Loose Body Removal Indications

Arthroscopic debridement (chondroplasty) or loose body removal are considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Imaging shows **ALL** of the following findings:
  - ◆ <u>Absence</u> of Kellgren-Lawrence grade II or greater findings on plain radiographs
    - **Criteria exception**: The absence of Kellgren-Lawrence grade II or greater findings is **not required** for <u>loose body removal</u> if there is the presence of an acutely locked knee on physical exam.
  - Presence of EITHER of the following findings:
    - MRI or CT arthrogram shows articular cartilage degeneration with ANY of the following additional findings:
      - Loose body within the joint
      - Unstable flaps of articular cartilage
      - Meniscal tear that extends to the articular surface (not simply degenerative changes, i.e., fraying) in conjunction with articular cartilage degeneration within the same compartment
      - Impinging osteophytes that would be reasonably expected to result in mechanical symptoms and loss of knee joint function
    - Orthogonal radiograph shows a loose body within the tibiofemoral or patellofemoral joint space
- > Symptoms include **BOTH** of the following:
  - Function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
  - Presence of **ANY** of the following mechanical symptoms:
    - Knee range of motion is "blocked" due to pain
    - Giving way, subjective weakness, or buckling
    - Painful locking, clicking, catching, or popping during weight-bearing activities

- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: The presence of painful locking, clicking, catching, or popping during weight-bearing activities does not require three (3) months of provider-directed non-surgical management when these symptoms are attributed to an intra-articular loose body or foreign body.

### <u>Arthroscopic Debridement (Chondroplasty) or Loose Body Removal</u> Non-Indications

➤ Arthroscopic debridement (chondroplasty) and loose body removal are considered **not medically necessary** for **ANY** other indication or condition.

### **Synovectomy**

### **Synovectomy Indications**

Synovectomy (limited [e.g., plica or shelf resection]; as a stand-alone procedure; or, as a major procedure with two (2) or more compartments [e.g., medial and lateral]) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Imaging shows **BOTH** of the following findings:
  - MRI or CT arthrogram shows evidence of synovitis or plica
    - Criteria exception: Advanced imaging is not required for the clinical diagnosis of patellar clunk syndrome following knee replacement surgery
  - ◆ Absence of Kellgren-Lawrence grade IV findings on plain radiographs
- > Presence of ANY of the following conditions:
  - Plica syndrome
  - Inflammatory arthritis (i.e., rheumatoid arthritis, gout, pseudogout, psoriatic arthritis)
  - Pigmented villonodular synovitis (PVNS)
  - Synovial chondromatosis
  - Lyme synovitis
  - Hemophilia
  - Hemochromatosis
  - Non-specific synovitis (e.g., proliferative synovitis, post-operative synovitis as a sequela from a knee replacement, patellar clunk syndrome, cyclops lesion, etc.)
  - ◆ Recurrent hemarthrosis (e.g., secondary to sickle cell anemia, bleeding diathesis, etc.)
- > Physical exam demonstrates **ANY** of the following findings:
  - Limited range of motion
  - Evidence of joint swelling/effusion
  - Joint line or plica tenderness
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

### **Synovectomy Non-Indications**

Synovectomy is considered not medically necessary for ANY other indication or condition.

### Meniscectomy or Meniscal Repair

### Meniscectomy or Meniscal Repair Indications

#### Meniscal Tear

Meniscectomy (partial or total) **or** meniscal repair is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Imaging shows **BOTH** of the following findings:
  - MRI or CT arthrogram shows a meniscal tear that extends to the articular surface (not simply degenerative changes, [i.e., fraying]) and correlates with the individual's reported symptoms and physical exam findings
  - ◆ Absence of Kellgren-Lawrence grade II or greater findings on plain radiographs
    - Criteria exception: The absence of Kellgren-Lawrence grade II or greater findings is not required if there is the presence of a meniscal tear and a locked knee on physical exam.
- ➤ Physical exam demonstrates at least **TWO** of the following findings:
  - Limited range of motion
  - ◆ Evidence of joint swelling/effusion
  - Joint line tenderness
  - ◆ Positive McMurray's test
  - Thessaly test
  - Apley's compression test
- ➤ Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: Three (3) months of provider-directed non-surgical management is not required if EITHER of the following conditions are present:
    - An acute traumatic anterior, posterior, medial, or lateral meniscal root tear/ avulsion confirmed on MRI
    - Meniscal tear with a locked knee on physical exam

#### **Discoid Lateral Meniscus**

Meniscectomy/saucerization for <u>discoid lateral meniscus</u> is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Imaging shows **BOTH** of the following findings:
  - MRI confirms the presence of a discoid meniscus
  - ◆ Absence of Kellgren-Lawrence grade II or greater findings on plain radiographs

- ➤ Physical exam demonstrates at least **TWO** of the following findings:
  - Limited range of motion
  - ◆ Evidence of joint swelling/effusion
  - ◆ Joint line tenderness
  - Positive McMurray's test
  - Positive Thessaly test
  - ◆ Positive Apley's compression test
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

### Meniscectomy or Meniscal Repair Non-Indications

Meniscectomy (partial or total) or meniscal repair is considered not medically necessary for ANY other indication or condition.

### Meniscal Allograft Transplantation

### Meniscal Allograft Transplantation Indications

Meniscal allograft transplantation is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ History of **ANY** of the following conditions affecting the meniscus:
  - Prior significant trauma resulting in an irreparable meniscal tear
  - ◆ Has undergone a meniscectomy where at least 50% of the meniscus has been removed
- ➤ Physical exam demonstrates **ANY** of the following findings:
  - Limited range of motion
  - ◆ Evidence of joint swelling/effusion
  - ◆ Joint line tenderness
- ➤ Body Mass Index (BMI) 35 or less
- ➤ Age 49 years or younger
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands or employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

### Meniscal Allograft Transplantation Non-Indications

- Meniscal allograft transplantation is considered not medically necessary for ANY other indication, condition, or when EITHER of the following are present:
  - Standing radiographs show Kellgren-Lawrence grade III or IV osteoarthritic changes in the knee including joint space narrowing and osteophytes
  - MRI shows Modified Outerbridge Classification grade III or IV articular degeneration in the affected compartment

# Anterior Cruciate Ligament (ACL) Reconstruction and Repair Anterior Cruciate Ligament (ACL) Reconstruction Indications

Anterior cruciate ligament (ACL) reconstruction (with allograft or autograft) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ MRI, CT arthrogram, or arthroscopy shows a tear/disruption or significant laxity of the anterior cruciate ligament (ACL)
- ➤ Physical exam demonstrates **ANY** of the following findings:
  - Positive Lachman's test
  - Positive anterior drawer test
  - Positive pivot shift test
- > Symptoms include **BOTH** of the following:
  - Function-limiting knee pain and/or loss of knee function which interferes with ANY of the following:
    - Ability to carry out age-appropriate activities of daily living
    - Demands of employment
    - Need to return to activities that require cutting, pivoting, and/or agility in which ACL insufficiency may predispose to further instability episodes that may result in new articular or meniscal cartilage injuries
  - Individual reports knee instability which is noted as giving way, subjective weakness, or buckling
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: Three (3) months of provider-directed non-surgical management is not required if there is an acute injury setting and joint instability has been documented with ANY of the following additional conditions:
    - Need to return to activities that require cutting, pivoting, and/or agility in which ACL insufficiency may predispose to further instability episodes that may result in new articular or meniscal cartilage injuries
    - A confirmed ACL tear and a repairable meniscus tear
    - Concomitant ligament injuries (i.e., multi-ligamentous knee injury) that require reconstruction to provide stability

## Anterior Cruciate Ligament (ACL) Reconstruction Non-Indications

➤ Anterior cruciate ligament (ACL) reconstruction is considered **not medically necessary** for **ANY** other indication or condition.

## Anterior Cruciate Ligament (ACL) Repair

➤ Anterior cruciate ligament (ACL) repair is considered **experimental**, investigational, or unproven (EIU).

### <u>Anterolateral Ligament (ALL) Reconstruction/Lateral Extra-Articular</u> <u>Tenodesis (LEAT)</u>

# <u>Anterolateral Ligament (ALL) Reconstruction/Lateral Extra-Articular Tenodesis (LEAT) Indications</u>

Anterolateral ligament reconstruction **or** lateral extra-articular tenodesis (LEAT) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Anterolateral ligament (ALL) reconstruction **or** lateral extra-articular tenodesis (LEAT) is <u>required to augment</u> the anterior cruciate ligament (ACL) reconstruction
- ➤ MRI, CT arthrogram, or arthroscopy shows a tear/disruption or significant laxity of the anterior cruciate ligament (ACL)
- ➤ Physical exam demonstrates **ANY** of the following findings:
  - Positive Lachman's test
  - Positive anterior drawer test
  - Positive pivot shift test
- > Symptoms include **BOTH** of the following:
  - Function-limiting knee pain and/or loss of knee function which interferes with ANY of the following:
    - Ability to carry out age-appropriate activities of daily living
    - Demands of employment
    - Need to return to activities that require cutting, pivoting, and/or agility in which ACL insufficiency may predispose to further instability episodes that may result in new articular or meniscal cartilage injuries
  - Individual reports knee instability which is noted as giving way, subjective weakness, or buckling
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: Three (3) months of provider-directed non-surgical management is not required if there is an acute injury setting and joint instability has been documented with ANY of the following additional conditions:
    - Need to return to activities that require cutting, pivoting, and/or agility in which ACL insufficiency may predispose to further instability episodes that may result in new articular or meniscal cartilage injuries
    - A confirmed ACL tear and a repairable meniscus tear
    - Concomitant ligament injuries (i.e., multi-ligamentous knee injury) that require reconstruction to provide stability

# Anterolateral Ligament (ALL) Reconstruction/Lateral Extra-Articular Tenodesis (LEAT) Non-Indications

- ➤ Anterolateral Ligament (ALL) reconstruction is considered **not medically necessary** for **ANY** other indication or condition.
- ➤ Lateral extra-articular tenodesis (LEAT) is considered **not medically necessary** for **ANY** other indication or condition.

### Posterior Cruciate Ligament (PCL) Reconstruction

### Posterior Cruciate Ligament (PCL) Reconstruction Indications

Posterior cruciate ligament (PCL) reconstruction (with allograft or autograft) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ MRI, CT arthrogram, or arthroscopy shows a tear/disruption or significant laxity of the posterior cruciate ligament (PCL)
- ➤ Presence of **ANY** of the following findings:
  - Stress radiographs show eight (8) mm or more of increased posterior translation
  - Physical exam demonstrates ANY of the following findings:
    - Positive posterior drawer sign
    - Positive posterior sag sign or tibial drop back test
    - Positive quadriceps active test
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out the age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: Three (3) months provider-directed non-surgical management is not required if there is an acute injury setting and joint instability has been documented with EITHER of the following additional conditions:
    - Need to return to activities that require cutting, pivoting, and/or agility in which PCL insufficiency may predispose to further instability episodes that may result in new articular or meniscal cartilage injuries
    - Concomitant ligament injuries (i.e., multi-ligamentous knee injury) that require reconstruction to provide stability

## Posterior Cruciate Ligament (PCL) Reconstruction Non-Indications

➤ Posterior cruciate ligament (PCL) reconstruction is considered **not medically necessary** for **ANY** other indication or condition.

### Medial/Lateral Collateral Ligament (MCL/LCL) Repair/Reconstruction

# Medial/Lateral Collateral Ligament (MCL/LCL) Repair/Reconstruction Indications

Medial/lateral collateral ligament (MCL/LCL) repair/reconstruction (with allograft or autograft) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ MRI or CT arthrogram shows a tear/disruption of the medial or lateral collateral ligament (MCL/LCL)
- ➤ Physical exam demonstrates **EITHER** of the following findings:
  - Positive valgus stress test (medial)
  - Positive varus stress test (lateral)

- > Symptoms include **BOTH** of the following:
  - Function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
  - Individual reports knee instability which is noted as giving way, subjective weakness, or buckling
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: Three (3) months of provider-directed non-surgical management is not required for LCL repair/reconstruction if there is an acute injury setting involving the <u>lateral collateral ligament (LCL)</u> (including the posterolateral corner) with documentation of BOTH of the following additional conditions:
    - Total disruption of the lateral collateral ligament (LCL) is documented on MRI or CT arthrogram
    - Joint instability has been documented on physical exam

# Medial/Lateral Collateral Ligament (MCL/LCL) Repair/Reconstruction Non-Indications

- Medial collateral ligament (MCL) repair/reconstruction (including an isolated MCL repair) is considered **not medically necessary** for **ANY** other indication or condition is considered **not medically necessary** in an acute injury setting.
- Medial/lateral collateral ligament (MCL/LCL) repair/reconstruction is considered not medically necessary for ANY other indication or condition.

### <u>Autologous Chondrocyte Implantation (ACI) or Autologous</u> Chondrocyte Transplantation (ACT)

### <u>Autologous Chondrocyte Implantation (ACI) or Autologous</u> Chondrocyte Transplantation (ACT) Indications

Autologous chondrocyte implantation (ACI) or autologous chondrocyte transplantation (ACT) (using the MACI<sup>®</sup> implant) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Body Mass Index (BMI) 35 or less
- ➤ Age 15-55 years
- ➤ Absence of inflammatory arthritis or other systemic disease affecting the joints
- ➤ <u>Presence</u> of **ALL** of the following arthroscopic or imaging findings:
  - Kellgren-Lawrence grade II or less on radiographs
  - Normal articular cartilage at the lesion border (contained lesion)
  - ◆ A full-thickness distal femoral articular surface (i.e., medial condyle, lateral condyle, or trochlea) and/or patellar chondral defect of 1-10cm² in size that has been identified with **ANY** of the following:
    - CT arthrogram
    - MRI and the Modified Outerbridge Classification is grade III or IV
    - Arthroscopy and the Outerbridge Classification is grade III or IV

- ➤ <u>Absence</u> of **BOTH** of the following imaging findings:
  - Absence of an osteochondritis dissecans (OCD) lesion that requires bone grafting
  - Absence of a Modified Outerbridge Classification grade III or IV corresponding 'kissing lesion' defect on the distal femur (trochlea, condyles), patella, or tibia is required when performed for femoral and patellar chondral lesions.
- ➤ Physical exam demonstrates **BOTH** of the following findings:
  - A stable knee with intact or reconstructed ligaments (ACL or PCL) and menisci
  - Note: A concurrent ligament stabilization or meniscal procedure at the time of ACI would be acceptable.
  - ◆ Normal tibial-femoral and/or patella-femoral alignment
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

# <u>Autologous Chondrocyte Implantation (ACI) or Autologous Chondrocyte Transplantation (ACT) Non-Indications</u>

#### **Not Medically Necessary**

- ➤ Autologous chondrocyte implantation is considered **not medically necessary** for **ANY** other indication, condition, or when **ANY** of the following are present:
  - Any knee joint surgery within six (6) months before screening excluding surgery to procure a biopsy or a concomitant procedure to prepare the knee for a MACI<sup>®</sup> implant
  - Total meniscectomy, meniscal allograft, or bucket-handle tear or displaced tear requiring >50% removal of the meniscus in the target knee
  - Septic arthritis within one (1) year before screening
  - Known history of hypersensitivity to gentamicin, other aminoglycosides, or products of porcine or bovine origin
  - Uncorrected congenital blood coagulation disorders
  - Cruciate ligament instability
- ➤ Hybrid autologous chondrocyte implantation performed with osteochondral autograft transfer system (Hybrid ACI/OATS) technique for the treatment of osteochondral defects is considered **not medically necessary**.

# Osteochondral Allograft/Autograft Transplantation Systems (OATS)/ Mosaicplasty

# Osteochondral Allograft/Autograft Transplantation Systems (OATS)/ Mosaicplasty Indications

Osteochondral allograft/autograft transplantation (OATS)/mosaicplasty is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Body Mass Index (BMI) of less than 35
- ➤ Age 49 years or younger
- ➤ Absence of inflammatory arthritis or other systemic disease affecting the joints
- ➤ Presence of **ALL** of the following imaging and/or arthroscopic findings:
  - Kellgren-Lawrence grade II or less on radiographs
  - Normal articular cartilage at the lesion border (contained lesion)
  - A full-thickness distal femoral articular surface (i.e., medial condyle, lateral condyle, or trochlea) and/or patellar chondral defect that has been identified with ANY of the following:
    - CT arthrogram
    - MRI and the Modified Outerbridge Classification is grade III or IV
    - Arthroscopy and the Outerbridge Classification is grade III or IV
  - Additional imaging findings required based on procedure type:
    - Osteochondral autograft transplants and mosaicplasty also require:
      - Small (i.e., ≤ 2.5 cm<sup>2</sup> total) chondral defects with sharp, definite borders surrounded by normal-appearing hyaline cartilage
    - Osteochondral allograft transplants also require:
      - Larger (i.e., ≤ 10.0 cm<sup>2</sup> total) chondral defects with sharp definite borders surrounded by normal appearing hyaline cartilage
- ➤ <u>Absence</u> of a Modified Outerbridge Classification grade III or IV corresponding 'kissing lesion' defect of the distal femur (trochlea, condyles), patella, or tibia **is required** when performed for femoral and patellar chondral lesions.
- ➤ Physical exam demonstrates **BOTH** of the following findings:
  - ◆ A stable knee with intact or reconstructed ligaments (ACL or PCL) and menisci.
    - Note: A concurrent ligament stabilization or meniscal procedure at the time of OATS would be acceptable.
    - Normal tibial-femoral and/or patella-femoral alignment
- ➤ Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

# Osteochondral Allograft/Autograft Transplantation Systems (OATS)/ Mosaicplasty Non-Indications

### **Not Medically Necessary**

- Osteochondral allograft/autograft transplantation (OATS)/mosaicplasty of the distal femoral articular or patellar surface is considered not medically necessary for ANY other indication or condition.
- ➤ Hybrid autologous chondrocyte implantation performed with osteochondral autograft transfer system (Hybrid ACI/OATS) technique for the treatment of osteochondral defects is considered **not medically necessary**.

### Abrasion Arthroplasty/Subchondral Drilling/Microfracturing

# <u>Abrasion Arthroplasty/Subchondral Drilling/Microfracturing Indications</u>

Abrasion arthroplasty, subchondral drilling, or microfracturing is considered **medically necessary** when **ALL** of the following criteria have been met:

- A full-thickness distal femoral articular surface (i.e., medial condyle, lateral condyle, or trochlea) and/or patellar chondral defect of ≤ 2.5 cm² in size on the weight-bearing surface that has been identified with ANY of the following:
  - ◆ CT arthrogram
  - MRI and the Modified Outerbridge Classification is grade III or IV
  - ◆ Arthroscopy and the Outerbridge Classification is grade III or IV
- ➤ Physical exam demonstrates **BOTH** of the following findings:
  - ◆ A stable knee with intact or reconstructed ligaments (ACL or PCL) and menisci
    - Note: A concurrent ligament stabilization or meniscal procedure at the time of abrasion arthroplasty would be acceptable.
  - ◆ Normal tibial-femoral and/or patella-femoral alignment
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

# <u>Abrasion Arthroplasty/Subchondral Drilling/Microfracturing Non-Indications</u>

➤ Abrasion arthroplasty, subchondral drilling, or microfracturing is considered **not medically necessary** for **ANY** other indication or condition.

### **Procedures for Patellofemoral Conditions**

Procedures for anterior knee pain (with or without recurrent patellar instability) include both bony and/or soft tissue surgical procedures.

- ➤ Bony surgical procedures can include, but are not limited to, the following: tibial tubercle osteotomy/tubercleplasty (e.g., Fulkerson, Maquet) and trochleoplasty.
- ➤ Soft tissue surgical procedures can include, but are not limited to, the following: medial patellofemoral ligament (MPFL) reconstruction/repair; extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldthwaite type procedure); and, lateral retinacular release.

### <u>Procedures for Patellofemoral Conditions Indications</u>

#### Medial Patellofemoral Ligament (MPFL) Reconstruction/Repair

Medial patellofemoral ligament (MPFL) reconstruction/repair for anterior knee pain (with or without recurrent patellar instability) is considered **medically necessary** when **ALL** of the following criteria have been met:

- > Presence of a tear of the MPFL is identified/confirmed by ANY of the following:
  - ◆ Identified on MRI, CT, or Ultrasound (US)
  - Identified by arthroscopy
  - ◆ Physical exam demonstrates **EITHER** of the following findings:
    - MPFL palpation test findings (with the knee in full extension and the patella medially subluxated) noting tenderness to palpation of the origin of the MPFL
    - Patella glide test findings >75% lateral subluxation of the patella width at 30 degrees of knee flexion
- ➤ Physical exam demonstrates **ANY** of the following findings:
  - Positive J sign
  - Positive moving patellar apprehension test
  - ◆ Lateral patellar translation >½ (one-half) of the patellar width
  - Tenderness of the medial or lateral facets
  - Patellar grind test (Clarke's sign)
- > Symptoms include **ANY** of the following:
  - Function-limiting anterior knee pain (e.g., loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment)
  - <u>Recurrent</u> patellar instability interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
    - Criteria exception: An acute patellofemoral dislocation with a loose chondral or osteochondral fragment is not required to have reoccurring patellar instability.
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: An acute patellofemoral dislocation with a loose chondral or osteochondral fragment is not required to have three (3) months of providerdirected non-surgical management.

#### **Trochleoplasty**

Trochleoplasty for anterior knee pain (with or without recurrent patellar instability) is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Imaging shows **BOTH** of the following findings:
  - Absence of severe patellofemoral arthritis
  - ◆ Trochlear dysplasia with **ANY** of the following:
  - Supratrochlear spur
  - Lateral trochlear inclination (LTI) >11 degrees
  - Crossing sign
  - Double-contour sign
- Physical exam demonstrates ANY of the following findings:
  - Positive J sign
  - Positive moving patellar apprehension test
  - ◆ Lateral patellar translation >½ (one-half) of the patellar width
  - ◆ Tenderness of the medial or lateral facets
  - ◆ Patellar grind test (Clarke's sign)
- Symptoms include ANY of the following:
  - Function-limiting anterior knee pain (e.g., loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment)
  - Recurrent patellar instability interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
    - Criteria exception: An acute patellofemoral dislocation with a loose chondral or osteochondral fragment is not required to have reoccurring patellar instability.
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: An acute patellofemoral dislocation with a loose chondral or osteochondral fragment is not required to have three (3) months of providerdirected non-surgical management.

# Procedures Other Than Medial Patellofemoral Ligament (MPFL) Reconstruction or Trochleoplasty

<u>Procedures other than</u> medial patellofemoral ligament (MPFL) reconstruction/repair or trochleoplasty performed for anterior knee pain (with or without recurrent patellar instability) is considered **medically necessary** when **ALL** of the following criteria have been met:

- Imaging shows ANY of the following findings:
  - ◆ Radiographic evidence of patellar tilt >20 degrees
  - ◆ Patella Alta (e.g., Insall-Salvati, Blackburne-Peel, Caton-Deschamps ratios)
  - ◆ Sulcus angle >145 degrees
  - ◆ Increased tibial tubercle-posterior cruciate distance of >24 mm
  - Increased TT-TG (tibial tubercle-trochlear groove) distance of >20 mm
  - Concordant osteochondral defect of the patellofemoral joint (MRI, CT scan, or previous arthroscopic procedure)
  - ◆ Acute patellar dislocation with associated intra-articular fracture

- ➤ Physical exam demonstrates **ANY** of the following findings:
  - ◆ Positive J sign
  - Positive moving patellar apprehension test
  - ◆ Lateral patellar translation >½ (one-half) of the patellar width
  - Tenderness of the medial or lateral facets
  - ◆ Patellar grind test (Clarke's sign)
- Symptoms include ANY of the following:
  - Function-limiting anterior knee pain (e.g., loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment)
  - <u>Recurrent</u> patellar instability interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
    - Criteria exception: An acute patellofemoral dislocation with a loose chondral or osteochondral fragment is not required to have reoccurring patellar instability.
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration
  - Criteria exception: An acute patellofemoral dislocation with a loose chondral or osteochondral fragment is not required to have three (3) months of providerdirected non-surgical management.

### <u>Procedures for Patellofemoral Conditions Non-Indications</u>

Procedures for patellofemoral conditions are considered not medically necessary for ANY other indication or condition.

### **High Tibial Osteotomy**

### **High Tibial Osteotomy Indications**

High tibial osteotomy is considered **medically necessary** when **ALL** of the following criteria have been met:

- ➤ Age 60 years or less
- ➤ Imaging shows unicompartmental osteoarthritis of the knee involving less than 1/3 of the femoral condylar surface
- Physical exam demonstrates ALL of the following findings:
  - Less than 15 degrees of fixed varus deformity
  - ◆ The individual must be capable of at least 90 degrees of flexion
  - ◆ Joint stability in full extension
  - Intact anterior cruciate ligament (ACL)
- ➤ Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least three (3) months in duration

#### **High Tibial Osteotomy Non-Indications**

- ➤ High tibial osteotomy is considered **not medically necessary** for **ANY** other indication, condition, or when **ANY** of the following are present:
  - Inflammatory arthropathy (i.e., rheumatoid arthritis)
  - Chondrocalcinosis
  - Anterior cruciate ligament (ACL) tear
  - Osteochondral defect more than five (5) mm in depth

### **Lysis of Adhesions**

### **Lysis of Adhesions Indications**

Lysis of adhesions is considered **medically necessary** for <u>arthrofibrosis</u> when **ALL** of the following criteria have been met:

- ➤ Physical exam demonstrates findings of less than 90° of knee flexion by two (2) months after knee surgery **or** trauma
- Symptoms include function-limiting knee pain and/or loss of knee function which interferes with the ability to carry out age-appropriate activities of daily living and/or demands of employment
- ➤ Failure of provider-directed non-surgical management for at least two (2) months in duration, including **BOTH** of the following:
  - Anti-inflammatory medication and/or cortisone injection (unless contraindicated)
  - Physical therapy (i.e., active exercise and manual therapy designed to increase joint mobility and range of motion)

### Lysis of Adhesions Non-Indications

➤ Lysis of adhesions is considered **not medically necessary** for **ANY** other indication or condition.

### **Procedures Not Addressed Elsewhere**

- ➤ Based on lack of scientific evidence of efficacy and safety, the following are considered experimental, investigational, or unproven (EIU):
  - ◆ Knee subchondroplasty
  - ◆ Focal resurfacing of a single knee joint defect (e.g., Arthrosurface® femoral condyle implant, HemiCAP®, UniCAP®)

# Procedure (CPT®) Codes (CMM-312)

This guideline relates to the CPT<sup>®</sup> code set below. Codes are displayed for informational purposes only. Any given code's inclusion on this list does not necessarily indicate prior authorization is required

CPT®  27331 Arthrotomy, knee; including joint exploration, biopsy, or removal of loose or foreign bodies 27332 Arthrotomy, with excision of semilunar cartilage (meniscectomy) knee; medial OR lateral 27333 Arthrotomy, with excision of semilunar cartilage (meniscectomy) knee; medial AND lateral 27334 Arthrotomy, with synovectomy, knee; anterior OR posterior 27335 Arthrotomy, with synovectomy, knee; anterior AND posterior including popliteal area 27340 Excision, prepatellar bursa 27341 Excision or curettage of bone cyst or benign tumor of femur; 27355 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27356 Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft) 27357 Excision or curettage of bone cyst or benign tumor of femur; with netural fixation (List in addition to code for primary procedure) 27358 Partial excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure) 27360 Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia and/or fibula (e.g., osteomyelitis or bone abscess) 27403 Arthrotomy with meniscus repair, knee 27405 Repair, primary, torn ligament and/or capsule, knee; cullateral 27407 Repair, primary, torn ligament and/or capsule, knee; cullateral 27418 Autologous chondrocyte implantation, knee 27419 Osteochondral altograft, knee, open 27410 Seteochondral autograft(s), knee, open 27420 Reconstruction of dislocating patella; (e.g., Hauser type procedure) 27421 Reconstruction of dislocating patella; (e.g., Hauser type procedure) 27422 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwalte type procedure) 27423 Ligamentous reconstruction (augmentation), knee; intra-articular (open) 27424 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwalte type procedure) 27425 Lateral retina	only.Any gi	ven code's inclusion on this list does not necessarily indicate prior authorization is required.
27332 Arthrotomy, with excision of semilunar cartilage (meniscectomy) knee; medial OR lateral 27333 Arthrotomy, with synovectomy, knee; anterior OR posterior 27335 Arthrotomy, with synovectomy, knee; anterior OR posterior 27346 Excision, prepatellar bursa 27347 Excision or lesion of meniscus or capsule (e.g., cyst, ganglion), knee 27355 Excision or curettage of bone cyst or benign tumor of femur; 27356 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27357 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27357 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27358 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27359 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27350 Excision or curettage of bone cyst or benign tumor of femur; with altograft 27350 Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure) 27400 Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia 27401 Arthrotomy with meniscus repair, knee 27402 Arthrotomy with meniscus repair, knee 27403 Arthrotomy with meniscus repair, knee 27409 Repair, primary, torn ligament and/or capsule, knee; collateral 27409 Repair, primary, torn ligament and/or capsule, knee; collateral and cruciate ligaments 27415 Osteochondral altograft, knee, open 27416 Osteochondral altograft, knee, open 27427 Excision of dislocating patella; (e.g., Hauser type procedure) 27428 Autologous chondrocyte implantation, knee 27429 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement 27429 relasse (e.g., Campbell, Goldwaite type procedure) 27420 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement 27421 Ligamentous reconstruction (augmentation), knee; intra-articular (open) and extra-articular 27422 Ligamentous reconstruction (augmentation), knee; intra-articular	<b>CPT</b> ®	Code Description/Definition
27333         Arthrotomy, with excision of semilunar cartilage (meniscectomy) knee; medial AND lateral           27344         Arthrotomy, with synovectomy, knee; anterior OR posterior           27340         Excision of lesion of meniscus or capsule (e.g., cyst, ganglion), knee           27347         Excision of lesion of meniscus or capsule (e.g., cyst, ganglion), knee           27356         Excision or curettage of bone cyst or benign tumor of femur; with allograft           27357         Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft)           27358         Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure)           27360         Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure)           27360         Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure)           27400         Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia and/or fibral (e.g., osteomyelitis or bone abscess)           27405         Repair, primary, torn ligament and/or capsule, knee; collateral           27405         Repair, primary, torn ligament and/or capsule, knee; collateral           27412         Autologous chondrocyte implantation, knee           27413         Autologaus choadrocyte implantation, knee	27331	Arthrotomy, knee; including joint exploration, biopsy, or removal of loose or foreign bodies
27334         Arthrotomy, with synovectomy, knee; anterior OR posterior           27345         Arthrotomy, with synovectomy, knee; anterior AND posterior including popliteal area           27347         Excision, prepatellar bursa           27355         Excision or curettage of bone cyst or benign tumor of femur;           27356         Excision or curettage of bone cyst or benign tumor of femur; with allograft           27357         Excision or curettage of bone cyst or benign tumor of femur; with allograft (includes obtaining graft)           27358         Excision or curettage of bone cyst or benign tumor of femur; with allograft (includes obtaining graft)           27359         Excision or curettage of bone cyst or benign tumor of femur; with allograft (includes obtaining graft)           27360         Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia and/or fibula (e.g., osteomyelitis or bone abscess)           27403         Arthrotomy with meniscus repair, knee           27405         Repair, primary, torn ligament and/or capsule, knee; collateral           27407         Repair, primary, torn ligament and/or capsule, knee; collateral and cruciate ligaments           27415         Autologous chondrocyte implantation, knee           27416         Osteochondral autograft(s), knee, open           27417         Autograft(s),           27428         Reconstruction of dislocating patella; with extensor realignment and/		Arthrotomy, with excision of semilunar cartilage (meniscectomy) knee; medial OR lateral
27340 Excision, prepatellar bursa 27347 Excision, prepatellar bursa 27355 Excision of lesion of meniscus or capsule (e.g., cyst, ganglion), knee 27356 Excision or curettage of bone cyst or benign tumor of femur; 27356 Excision or curettage of bone cyst or benign tumor of femur; 27357 Excision or curettage of bone cyst or benign tumor of femur; with allograft 27358 Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft) 27358 Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft) 27358 Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure) 27360 Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia addorf tibula (e.g., osteomyelitis or bone abscess) 27403 Arthrotomy with meniscus repair, knee 27405 Repair, primary, torn ligament and/or capsule, knee; collateral 27407 Repair, primary, torn ligament and/or capsule, knee; cruciate 27409 Repair, primary, torn ligament and/or capsule, knee; collateral and cruciate ligaments 27412 Autologous chondrocyte implantation, knee 27415 Osteochondral allograft, knee, open 27416 Osteochondral allograft, knee, open 27416 Osteochondral allograft knee, open 27417 Osteochondral allograft knee, open 27420 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwaite type procedure) 27421 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwaite type procedure) 27422 Ligamentous reconstruction (augmentation), knee; extra-articular (open) 27423 Ligamentous reconstruction (augmentation), knee; intra-articular (open) 27424 Arthroscopically aided treatment of intercondylar spine(s) and/or tuberosity fracture(s) of the knee, with or without manipulation; without internal or external fixation (includes arthroscopy) 2745 Arthroscopically aided tr		Arthrotomy, with excision of semilunar cartilage (meniscectomy) knee; medial AND lateral
27340 Excision, prepatellar bursa 27347 Excision of lesion of meniscus or capsule (e.g., cyst, ganglion), knee 27355 Excision or curettage of bone cyst or benign tumor of femur; 27356 Excision or curettage of bone cyst or benign tumor of femur; with allograft 27357 Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft) 27358 Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft) 27358 Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft) 27360 Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia and/or fibula (e.g., osteomyelitis or bone abscess) 27403 Arthrotomy with meniscus repair, knee 27405 Repair, primary, torn ligament and/or capsule, knee; collateral 27407 Repair, primary, torn ligament and/or capsule, knee; collateral 27408 Repair, primary, torn ligament and or capsule, knee; collateral and cruciate ligaments 27412 Autologous chondrocyte implantation, knee 27415 Osteochondral autograft(s), knee, open 27416 Osteochondral autograft(s), knee, open (e.g., mosaicplasty) (includes harvesting of autograft(s)) 27418 Anterior tibial tubercleplasty (e.g., Maquet type procedure) 27420 Reconstruction of dislocating patella; (e.g., Hauser type procedure) 27421 Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwaite type procedure) 27422 Reconstruction of dislocating patella; with patellectomy 27425 Lateral retinacular release, open 27426 Ligamentous reconstruction (augmentation), knee; extra-articular (open) 27427 Ligamentous reconstruction (augmentation), knee; intra-articular (open) 27428 Ligamentous reconstruction (augmentation), knee; on the autograft (s) of the knee, with or without manipulation; without internal or external fixation (includes arthroscopy) 27454 Arthroscopically aided treatment of intercondylar spine(s) and/or tuberosity fracture(s) of the		
27347         Excision of lesion of meniscus or capsule (e.g., cyst, ganglion), knee           27355         Excision or curettage of bone cyst or benign tumor of femur; with allograft           27356         Excision or curettage of bone cyst or benign tumor of femur; with allograft           27357         Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft)           27358         Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure)           27360         Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia addori fibula (e.g., osteomyelitis or bone abscess)           27403         Arthrotomy with meniscus repair, knee           27405         Repair, primary, torn ligament and/or capsule, knee; collateral           27409         Repair, primary, torn ligament and/or capsule, knee; collateral and cruciate ligaments           27412         Autologous chondrocyte implantation, knee           27413         Autologous chondrocyte implantation, knee           27414         Autologous chondrocyte implantation, knee           27415         Autologous chondrocyte implantation, knee           27416         Osteochondral allograft, knee, open           27417         Anterior tibial tubercleplasty (e.g., Maquet type procedure)           27420         Reconstruction of dislocating patella; with extensor rea	27335	Arthrotomy, with synovectomy, knee; anterior AND posterior including popliteal area
27355         Excision or curettage of bone cyst or benign tumor of femur;           27356         Excision or curettage of bone cyst or benign tumor of femur; with allograft           27357         Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft)           27358         Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure)           27360         Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia and/or fibula (e.g., osteomyelitis or bone abscess)           27405         Repair, primary, torn ligament and/or capsule, knee; collateral           27407         Repair, primary, torn ligament and/or capsule, knee; cuciate           27410         Repair, primary, torn ligament and/or capsule, knee; cuciate           27412         Autologous chondrocyte implantation, knee           27413         Autologous chondrocyte implantation, knee           27414         Autologous chondrocyte implantation, knee           27415         Osteochondral allograft, knee, open           27416         Osteochondral autograft(s), knee, open (e.g., mosaicplasty) (includes harvesting of autograft[s)           27421         Anterior tibial tubercleplasty (e.g., Maquet type procedure)           27422         Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwaite type procedure)		Excision, prepatellar bursa
27356         Excision or curettage of bone cyst or benign tumor of femur; with allograft           27357         Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft)           27358         Excision or curettage of bone cyst or benign tumor of femur; with internal fixation (List in addition to code for primary procedure)           27360         Partial excision (craterization, saucerization, or diaphysectomy) bone, femur, proximal tibia and/or fibula (e.g., osteomyelitis or bone abscess)           27403         Arthrotomy with meniscus repair, knee           27405         Repair, primary, torn ligament and/or capsule, knee; collateral           27407         Repair, primary, torn ligament and/or capsule, knee; collateral           27412         Autologous chondrocyte implantation, knee           27415         Osteochondral allograft, knee, open           27416         Osteochondral autograft(s), knee, open (e.g., mosaicplasty) (includes harvesting of autograft[s])           27418         Anterior tibial tubercleplasty (e.g., Maquet type procedure)           27420         Reconstruction of dislocating patella; (e.g., Hauser type procedure)           27421         Reconstruction of dislocating patella; with extensor realignment and/or muscle advancement or release (e.g., Campbell, Goldwaite type procedure)           27422         Reconstruction of dislocating patella; with patellectomy           27423         Lateral retinacular release, open		Excision of lesion of meniscus or capsule (e.g., cyst, ganglion), knee
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insertion), medial or lateral		
20070   Milliodopy, kilos, diagnosilo, will of willout syllovial biopsy (separate procedure)	29870	Arthroscopy, knee, diagnostic; with or without synovial biopsy (separate procedure)
29871 Arthroscopy, knee, surgical; for infection, lavage and drainage	29871	
29873 Arthroscopy, knee, surgical; with lateral release	29873	

This guideline relates to the CPT® code set below. Codes are displayed for informational purposes only. Any given code's inclusion on this list does not necessarily indicate prior authorization is required.

CPT®	Code Description/Definition
CFT	·
29874	Arthroscopy, knee, surgical; for removal of loose body or foreign body (e.g., osteochondritis
	dissecans fragmentation, chondral fragmentation)
29875	Arthroscopy, knee, surgical; synovectomy, limited (e.g., plica or shelf resection) (separate
	procedure)
29876	Arthroscopy, knee, surgical; synovectomy, major, two or more compartments (e.g., medial or
	lateral)
29877	Arthroscopy, knee, surgical; debridement/shaving of articular cartilage (chondroplasty)
29879	Arthroscopy, knee, surgical; abrasion arthroplasty (includes chondroplasty where necessary)
	or multiple drilling or microfracture
29880	Arthroscopy, knee, surgical; with meniscectomy (medial AND lateral, including any meniscal
	shaving) including debridement/shaving of articular cartilage (chondroplasty), same or
	separate compartment(s), when performed
	Arthroscopy, knee, surgical; with meniscectomy (medial OR lateral, including any meniscal
29881	shaving) including debridement/shaving of articular cartilage (chondroplasty), same or
	separate compartment(s), when performed
29882	Arthroscopy, knee, surgical; with meniscus repair (medial OR lateral)
29883	Arthroscopy, knee, surgical; with meniscus repair (medial AND lateral)
29884	Arthroscopy, knee, surgical; with lysis of adhesions, with or without manipulation (separate
	procedure)
29885	Arthroscopy, knee, surgical; drilling for osteochondritis dissecans with bone grafting, with or
	without internal fixation (including debridement of base of lesion)
29886	Arthroscopy, knee, surgical; drilling for intact osteochondritis dissecans lesion
29887	Arthroscopy, knee, surgical; drilling for intact osteochondritis dissecans lesion with internal
	fixation
29888	Arthroscopically aided anterior cruciate ligament repair/augmentation or reconstruction
29889	Arthroscopically aided posterior cruciate ligament repair/augmentation or reconstruction
	ey not be all-inclusive and is not intended to be used for coding/hilling purposes. The final

This list may not be all-inclusive and is not intended to be used for coding/billing purposes. The final determination of reimbursement for services is the decision of the health plan and is based on the individual's policy or benefit entitlement structure as well as claims processing rules.

# **Procedure (HCPCS) Codes (CMM-312)**

This guideline relates to the HCPCS code set below. Codes are displayed for informational purposes only. Any given code's inclusion on this list does not necessarily indicate prior authorization is required.

J7330 Autologous cultured chondrocytes, implant

This list may not be all-inclusive and is not intended to be used for coding/billing purposes. The final determination of reimbursement for services is the decision of the health plan and is based on the individual's policy or benefit entitlement structure as well as claims processing rules.

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