



# CLINICAL GUIDELINES

## CMM-314: Hip Surgery-Arthroscopic and Open Procedures

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## **CMM-314: Hip Surgery-Arthroscopic and Open Procedures**

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## **CMM-314.1: Definitions**

- **Femoroacetabular Impingement (FAI)** is an anatomical mismatch between the head of the femur and the acetabulum resulting in compression of the labrum or articular cartilage during flexion. The mismatch can arise from subtle morphologic alterations in the anatomy or orientation of the ball-and-socket components (for example, a bony prominence at the head-neck junction or acetabular over-coverage) with articular cartilage damage initially occurring from abutment of the femoral neck against the acetabular rim, typically at the anterosuperior aspect of the acetabulum. Although hip joints can possess the morphologic features of FAI without symptoms, FAI may become pathologic with repetitive movement and/or increased force on the hip joint. High-demand activities may also result in pathologic impingement in hips with normal morphology.
  - ◆ It has been proposed that impingement with damage to the labrum and/or acetabulum is a causative factor in the development of hip osteoarthritis, and that as many as half of cases currently categorized as primary osteoarthritis may have an etiology of FAI.
  - ◆ There are two types of FAI that may occur alone or more frequently together: CAM impingement and pincer impingement.
    - **CAM impingement** is associated with an asymmetric or non-spherical contour of the head or neck of the femur jamming against the acetabulum, resulting in cartilage damage, delamination (detachment from the subchondral bone), and secondary damage to the labrum. Deformity of the head/neck junction that looks like a pistol grip on radiographs is associated with damage to the anterosuperior area of the acetabulum. Symptomatic CAM impingement is found most frequently in young male athletes.
    - **Pincer impingement** is associated with over-coverage of the acetabulum and is most typically found in women of middle age. In cases of isolated pincer impingement, the labrum is affected primarily, and cartilage damage may be limited to a narrow strip of the acetabular cartilage.
- **Non-surgical management**, with regard to the treatment of hip pain, is defined as any provider-directed non-surgical treatment, which has been demonstrated in the scientific literature as efficacious and/or is considered reasonable care in the treatment of hip pain. The types of treatment involved can include, but are not limited to: relative rest/activity modification, weight loss, supervised physiotherapy modalities and therapeutic exercises, oral prescription and non-prescription medications, assistive devices (e.g., cane, crutches, walker, wheelchair), and/or intra-articular injections (i.e., steroid).

## **CMM-314.2: General Guidelines**

- The determination of medical necessity for the performance of arthroscopic or open hip surgery is always made on a case-by-case basis.
- Hip arthroscopic or open procedures may be considered medically necessary for individuals for whom surgery is being performed for fracture, tumor, infection, or foreign body that has led to or will likely lead to progressive destruction.

## **CMM-314.3: Indications and Non-Indications**

~~Hip surgery, either a~~ Arthroscopic or open ~~hip~~ surgery, **is considered medically necessary** for **ANY** of the following clinical situations:

- Acute fracture of the hip (femoral or acetabular)
- Malunion of a previous fracture
- Acute or post-traumatic injury in which there is a correlation between examination and diagnostic imaging findings confirming a condition which is reasonably suspected of producing the individual's severe pain and limitation in function
- Tumor, infection, foreign body, or other deformity (e.g., in conjunction with a periacetabular osteotomy for hip dysplasia) that has led to or will likely lead to progressive destruction
- Synovial biopsy
- Irrigation and debridement of an intra-articular joint space infection
- Removal of a radiographically-confirmed ossific or osteochondral loose body
- Labral pathology when an individual has **ALL** of the following criteria:
  - ◆ Mechanical symptoms of the hip (e.g., catching, locking, or giving way) associated with groin-dominant hip pain that significantly limits activities
  - ◆ **ANY** of the following positive provocative tests for intra-articular hip pathology on physical examination:
    - Anterior impingement sign (i.e., hip or groin pain with forced hip flexion, adduction, and internal rotation)
    - FABER test (i.e., hip or groin pain with forced flexion, abduction, and external rotation)
    - Fitzgerald test (i.e., hip or groin pain with extension, internal rotation, and adduction from forced hip flexion, abduction, and external rotation or with extension, external rotation, and abduction from forced hip flexion, adduction, and internal rotation)
  - ◆ Unresponsive to at least three (3) months of provider-directed non-surgical treatment which must include an image-guided diagnostic/therapeutic intra-articular hip injection to which there was not a negative response
  - ◆ An advanced diagnostic imaging study confirming labral pathology amenable to surgical management (Refer to **MS-24: Hip** for advanced imaging indications for labral tear)

- Femoroacetabular Impingement (FAI) when an individual has **ALL** of the following criteria:
  - ◆ Groin-dominant hip pain that is worsened by flexion (e.g., squatting or prolonged sitting) and significantly limits activities
  - ◆ Positive anterior impingement sign (i.e., groin-dominant hip pain with forced hip flexion, adduction, and internal rotation) on physical examination
  - ◆ Limited passive hip internal rotation on physical examination
  - ◆ Unresponsive to at least three (3) months of provider-directed non-surgical treatment which must include an image-guided diagnostic/therapeutic intra-articular hip injection to which there was not a negative response
  - ◆ **ANY** of the following radiographic findings to confirm FAI (Refer to **MS-24: Hip** for advanced imaging indications for FAI):
    - Alpha angle greater than 55 degrees
    - Pistol-grip deformity
    - Decrease of femoral head-neck offset
    - Acetabular retroversion (i.e., crossover sign, ischial spine sign)
    - Coxa profunda
  - ◆ Documented presence of **EITHER** of the following:
    - Tönnis grade 0 osteoarthritis (i.e., no signs of osteoarthritis)
    - Tönnis grade 1 osteoarthritis (i.e., sclerosis of the joint with slight joint space narrowing and osteophyte formation, and no or slight loss of femoral head sphericity)
  - ◆ Documented absence of **BOTH** of the following:
    - Tönnis grade 2 osteoarthritis (i.e., small cysts in femoral head or acetabulum with moderate joint space narrowing [\[i.e., < 2mm wide on plain radiographs of the pelvis\]](#) and moderate loss of femoral head sphericity)
    - Tönnis grade 3 osteoarthritis (i.e., large cysts in the femoral head or acetabulum, severe joint space narrowing [\[e.g., bone-on-bone\]](#) or obliteration of the joint space, and severe deformity and loss of sphericity of the femoral head)
- Avascular necrosis of the femoral head when an individual has **ALL** of the following criteria:
  - ◆ **ONE** of the following hip procedures is planned:
    - Core decompression
    - Varus rotational osteotomy
    - Valgus flexion osteotomy
    - Curettage and bone grafting through the Mont trapdoor technique or the Merel D'Aubigne light bulb technique
    - Free vascularized fibular graft (FVFG)
  - ◆ **ANY** of the following symptoms or examination findings of avascular necrosis of the femoral head:
    - Deep pain in groin
    - Pain associated with movement or weight-bearing
    - Limited rotation of hip in both extension and flexion
    - Antalgic gait

- Mechanical symptoms of the hip (e.g., catching, locking, or giving way) associated with groin-dominant hip pain that significantly limits activities
- ◆ Imaging shows **ONE** of the following (Refer to **MS-4: Avascular Necrosis (AVN)/Osteonecrosis** and **MS-24: Hip** for advanced imaging indications for avascular necrosis of the femoral head):
  - For core decompression (**EITHER** of the following):
    - MRI or x-ray findings of cystic or sclerotic changes without subchondral fracture of the femoral head (i.e., Ficat and Arlet stage II or less)
    - MRI findings of less than 30% involvement of femoral head
  - For varus rotational osteotomy:
    - MRI findings of a small lesion (less than 15% involvement of the femoral head) in which the lesion can be rotated away from a weightbearing surface
  - For valgus flexion osteotomy:
    - MRI findings of anterolateral disease
  - For curettage and bone grafting through the Mont trapdoor technique or the Merel D'Aubigne light bulb technique:
    - MRI findings of pre-collapse
  - For free vascularized fibular graft (FVFG):
    - MRI findings of either pre-collapse or collapsed avascular necrosis of the femoral head in young individuals with a reversible etiology

Refer to **CMM-313: Hip Replacement/Arthroplasty** regarding salvage procedures.

#### **CMM-314.4: Experimental, Investigational, or Unproven**

- Arthroscopic or open hip surgery is considered **experimental, investigational, or unproven** for any other indication or condition, including:
  - ◆ Capsular plication
  - ◆ Anterior inferior iliac spine/subspinous decompression
- In-office diagnostic arthroscopy (e.g., Mi-Eye™, VisionScope®) is considered **experimental, investigational, or unproven**.

**CMM-314.5: Procedure (CPT®) Codes**

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.

<b>CPT®</b>	<b>Code Description/Definition</b>
<b>26990</b>	Incision and drainage, pelvis or hip joint area; deep abscess or hematoma
<b>26991</b>	Incision and drainage, pelvis or hip joint area; infected bursa
<b>26992</b>	Incision, bone cortex, pelvis and/or hip joint (e.g. osteomyelitis or bone abscess)
<b>27000</b>	Tenotomy, adductor of hip, percutaneous (separate procedure)
<b>27001</b>	Tenotomy, adductor of hip, open
<b>27003</b>	Tenotomy, adductor, subcutaneous, open, with obturator neurectomy
<b>27005</b>	Tenotomy, hip flexor(s), open (separate procedure)
<b>27006</b>	Tenotomy, abductors and/or extensor(s) of hip, open (separate procedure)
<b>27025</b>	Fasciotomy, hip or thigh, any type
<b>27027</b>	Decompression fasciotomy(ies), pelvic (buttock) compartment(s) (e.g., gluteus medius-minimus, gluteus maximus, iliopsoas, and/or tensor fascia lata muscle), unilateral
<b>27030</b>	Arthrotomy, hip, with drainage (e.g. infection)
<b>27033</b>	Arthrotomy, hip, including exploration or removal of loose or foreign body
<b>27035</b>	Denervation, hip joint, intrapelvic or extrapelvic intra-articular branches of sciatic, femoral, or obturator nerves
<b>27036</b>	Capsulectomy or capsulotomy, hip, with or without excision of heterotropic bone, with release of hip flexor muscles (i.e. gluteous medius, gluteus minimus, tensor fascia latae, rectus femoris, sartorius, iliopsoas).
<b>27040</b>	Biopsy, soft tissue of pelvis and hip area; superficial
<b>27041</b>	Biopsy, soft tissue of pelvis and hip area; deep, subfascial or intramuscular
<b>27043</b>	Excision, tumor, soft tissue of pelvis and hip area, subcutaneous; 3 cm or greater
<b>27045</b>	Excision, tumor, soft tissue of pelvis and hip area, subfascial (e.g. intramuscular); 5 cm or greater
<b>27047</b>	Excision, tumor, soft tissue of pelvis and hip area, subcutaneous; less than 3 cm
<b>27048</b>	Excision, tumor, soft tissue of pelvis and hip area, subfascial (e.g. intramuscular); less than 5 cm
<b>27049</b>	Radical resection of tumor (e.g. sarcoma), soft tissue of pelvis and hip area; less than 5 cm
<b>27050</b>	Arthrotomy, with biopsy; sacroiliac joint
<b>27052</b>	Arthrotomy, with biopsy; hip joint
<b>27054</b>	Arthrotomy, with synovectomy, hip joint

<b>27057</b>	Decompression fasciotomy(ies), pelvic(buttock) compartment(s) (e.g. gluteus medius- minimus, gluteus maximus, iliopsoas, and/or tensor fascia lata muscle) with debridement of nonviable muscle, unilateral
<b>27059</b>	Radical resection of tumor (e.g. sarcoma), soft tissue of pelvis and hip area; 5cm or greater
<b>27060</b>	Excision; ischial bursa
<b>27062</b>	Excision; trochanteric bursa or calcification
<b>27065</b>	Excision of bone cyst or benign tumor, wing of ilium, symphysis pubis, or greater trochanter of femur; superficial, includes autograft, when performed
<b>27066</b>	Excision of bone cyst or benign tumor, wing of ilium, symphysis pubis, or greater trochanter of femur; deep (subfascial), includes autograft, when performed
<b>27067</b>	Excision of bone cyst or benign tumor, wing of ilium, symphysis pubis, or greater trochanter of femur; with autograft requiring separate incision
<b>27070</b>	Partial excision, wing of ilium, symphysis pubis, or greater trochanter of femur, (craterization, saucerization) (e.g. osteomyelitis or bone abscess); superficial
<b>27071</b>	Partial excision, wing of ilium, symphysis pubis, or greater trochanter of femur, (craterization, saucerization) (e.g. osteomyelitis or bone abscess); deep (subfascial or intramuscular)
<b>27075</b>	Radical resection of tumor; wing of ilium, 1 pubic or ischial ramus or symphysis pubis
<b>27076</b>	Radical resection of tumor; ilium, including acetabulum, both pubic rami, or ischium and acetabulum.
<b>27077</b>	Radical resection of tumor; innominate bone, total
<b>27078</b>	Radical resection of tumor; ischial tuberosity and greater trochanter of femur
<b>27080</b>	Coccygectomy, primary
<b>27086</b>	Removal of foreign body, pelvis or hip; subcutaneous tissue
<b>27087</b>	Removal of foreign body, pelvis or hip; deep (subfascial or intramuscular)
<b>27097</b>	Release or recession, hamstring, proximal
<b>27098</b>	Transfer, adductor to ischium
<b>27100</b>	Transfer external oblique muscle to greater trochanter including fascial or tendon extension (graft)
<b>27105</b>	Transfer paraspinal muscle to hip (includes fascial or tendon extension graft)
<b>27110</b>	Transfer iliopsoas; to greater trochanter of femur
<b>27111</b>	Transfer iliopsoas; to femoral neck
<b>27140</b>	Osteotomy and transfer of greater trochanter of femur (separate procedure)
<b>27146</b>	Osteotomy, iliac, acetabular or innominate bone
<b>27147</b>	Osteotomy, iliac, acetabular or innominate bone; with open reduction of hip
<b>27151</b>	Osteotomy, iliac, acetabular or innominate bone; with femoral osteotomy
<b>27156</b>	Osteotomy, iliac, acetabular or innominate bone; with femoral osteotomy and with open reduction of hip
<b>27158</b>	Osteotomy, pelvis, bilateral (e.g., congenital malformation)
<b>27161</b>	Osteotomy, femoral neck (separate procedure)



<b>27165</b>	Osteotomy, intertrochanteric or subtrochanteric including internal or external fixation and/or cast
<b>27170</b>	Bone graft, femoral head, neck, intertrochanteric or subtrochanteric area (includes obtaining bone graft)
<b>27175</b>	Treatment of slipped femoral epiphysis; by traction, without reduction
<b>27176</b>	Treatment of slipped femoral epiphysis; by single or multiple pinning, in situ
<b>27177</b>	Open treatment of slipped femoral epiphysis; single or multiple pinning or bone graft (includes obtaining graft)
<b>27178</b>	Open treatment of slipped femoral epiphysis; closed manipulation with single or multiple pinning
<b>27179</b>	Open treatment of slipped femoral epiphysis; osteoplasty of femoral neck (Heyman type procedure)
<b>27181</b>	Open treatment of slipped femoral epiphysis; osteotomy and internal fixation
<b>27185</b>	Epiphyseal arrest by epiphysiodesis or stapling, greater trochanter of femur
<b>27187</b>	Prophylactic treatment (nailing, pinning, plating or wiring) with or without methylmethacrylate, femoral neck and proximal femur
<b>27299</b>	Unlisted procedure, pelvis or hip joint
<b>29860</b>	Arthroscopy, hip, diagnostic with or without synovial biopsy (separate procedure)
<b>29861</b>	Arthroscopy, hip, surgical; with removal of loose body or foreign body
<b>29862</b>	Arthroscopy, hip, surgical; with debridement/shaving of articular cartilage (chondroplasty), abrasion Arthroplasty, and/or resection of labrum
<b>29863</b>	Arthroscopy, hip, surgical; with synovectomy
<b>29914</b>	Arthroscopy, hip, surgical; with femoroplasty (i.e. treatment of cam lesion)
<b>29915</b>	Arthroscopy, hip, surgical; with acetabuloplasty (i.e. treatment of pincer lesion)
<b>29916</b>	Arthroscopy, hip, surgical; with labral repair
<b>29999</b>	Unlisted procedure, arthroscopy
<b>HCPCS S2325</b>	Hip core decompression

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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