# Medical Policy:

## Continuous Passive Motion Devices

| POLICY NUMBER | LAST REVIEW |
|---|---|
| MG.MM.DM.11bC12 | June 14, 2024 |



## Definitions

**Arthrofibrosis**: A condition characterized by the abnormal proliferation of fibrous tissue in and around a joint, which impedes proper motion and function.

**Continuous passive motion (CPM) devices** (commonly referred to as CPM machines) are used for the maintenance or restoration of joint range of motion (ROM). During CPM therapy, the joint area is secured to the CPM device, which then moves the affected joint through a prescribed arc of motion for an extended period of time. CPM devices are available for numerous joints such as the knee, ankle, jaw, hip, elbow, shoulder and finger.

**Intra-articular fracture**: A fracture involving the portion of bone that is enclosed by cartilage and a portion of a joint.

## Guideline

Members with the Durable Medical Equipment (DME) benefit are eligible for home CPM coverage, until active physical therapy (PT) participation is achieved, for any of the following indications:

1. Post anterior cruciate ligament (or multi-ligament) reconstruction (i.e., ACL/MCL, ACL/PCL, ACL/LCL).
2. Post total knee arthroplasty or revision as an adjunct to on-going physical therapy.

3. Post release of arthrofibrosis/adhesive capsulitis of the knee requiring manipulation under anesthesia.
4. Infant clubfoot (active PT not applicable for this indication).

## Limitations and Exclusions

1. CPM must be initiated within 72 hours of surgery (usually within 24-48) and is typically utilized for a period of 7-10 days (not to exceed 21 days [3 weeks]). Continued use beyond 21 days has not been shown to be effective and is therefore not considered to be medically necessary.
2. Continued use of CPM is not medically necessary after 95 degrees of knee flexion (measured by goniometry) is achieved.
3. CPM is not considered medically necessary in individuals who are able to participate in an active physical therapy program unless specifically indicated above.
4. CPM not considered medically necessary for the treatment of non-operatively treated degenerative joint diseases and/or chronic contractures.
5. CPM is not considered medically necessary for any indications other than those listed above, including but not limited to:
    a. As prophylaxis for thromboembolism.
    b. Temporomandibular joint disorder.
    c. Vertebral use.
6. No consideration will be given to any request for CPM use post 72 hours of a procedure.

## Procedure Codes

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| E0935 | Continuous passive motion exercise device for use on knee only |

## ICD-10 Diagnoses

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| M23.50 | Chronic instability of knee, unspecified knee |
| M23.51 | Chronic instability of knee, right knee |
| M23.52 | Chronic instability of knee, left knee |
| M24.561 | Contracture, right knee |
| M24.562 | Contracture, left knee |
| M24.569 | Contracture, unspecified knee |
| M24.69 | Ankylosis, other specified joint |
| M24.661 | Ankylosis, right knee |
| M24.662 | Ankylosis, left knee |
| M24.669 | Ankylosis, unspecified knee |
| Q66.00 | Congenital talipes equinovarus, unspecified foot |
| Q66.01 | Congenital talipes equinovarus, right foot |
| Q66.02 | Congenital talipes equinovarus, left foot |

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| Q66.10 | Congenital talipes calcaneovarus, unspecified foot |
| Q66.11 | Congenital talipes calcaneovarus, right foot |
| Q66.12 | Congenital talipes calcaneovarus, left foot |
| Q66.30 | Other congenital varus deformities of feet, unspecified foot |
| Q66.31 | Other congenital varus deformities of feet, right foot |
| Q66.32 | Other congenital varus deformities of feet, left foot |
| Q66.40 | Congenital talipes calcaneovalgus, unspecified foot |
| Q66.41 | Congenital talipes calcaneovalgus, right foot |
| Q66.42 | Congenital talipes calcaneovalgus, left foot |
| Q66.6 | Other congenital valgus deformities of feet |
| Q66.70 | Congenital pes cavus, unspecified foot |
| Q66.71 | Congenital pes cavus, right foot |
| Q66.72 | Congenital pes cavus, left foot |
| Q66.89 | Other specified congenital deformities of feet |
| Q66.90 | Congenital deformity of feet, unspecified, unspecified foot |
| Q66.91 | Congenital deformity of feet, unspecified, right foot |
| Q66.92 | Congenital deformity of feet, unspecified, left foot |
| S83.501A | Sprain of unspecified cruciate ligament of right knee, initial encounter |
| S83.501D | Sprain of unspecified cruciate ligament of right knee, subsequent encounter |
| S83.501S | Sprain of unspecified cruciate ligament of right knee, sequela |
| S83.502A | Sprain of unspecified cruciate ligament of left knee, initial encounter |
| S83.502D | Sprain of unspecified cruciate ligament of left knee, subsequent encounter |
| S83.502S | Sprain of unspecified cruciate ligament of left knee, sequela |
| S83.509A | Sprain of unspecified cruciate ligament of unspecified knee, initial encounter |
| S83.509D | Sprain of unspecified cruciate ligament of unspecified knee, subsequent encounter |
| S83.509S | Sprain of unspecified cruciate ligament of unspecified knee, sequela |
| S83.511A | Sprain of anterior cruciate ligament of right knee, initial encounter |
| S83.511D | Sprain of anterior cruciate ligament of right knee, subsequent encounter |
| S83.511S | Sprain of anterior cruciate ligament of right knee, sequela |
| S83.512A | Sprain of anterior cruciate ligament of left knee, initial encounter |
| S83.512D | Sprain of anterior cruciate ligament of left knee, subsequent encounter |
| S83.512S | Sprain of anterior cruciate ligament of left knee, sequela |
| S83.519A | Sprain of anterior cruciate ligament of unspecified knee, initial encounter |
| S83.519D | Sprain of anterior cruciate ligament of unspecified knee, subsequent encounter |
| S83.519S | Sprain of anterior cruciate ligament of unspecified knee, sequela |

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| S83.521A | Sprain of posterior cruciate ligament of right knee, initial encounter |
| S83.521D | Sprain of posterior cruciate ligament of right knee, subsequent encounter |
| S83.521S | Sprain of posterior cruciate ligament of right knee, sequela |
| S83.522A | Sprain of posterior cruciate ligament of left knee, initial encounter |
| S83.522D | Sprain of posterior cruciate ligament of left knee, subsequent encounter |
| S83.522S | Sprain of posterior cruciate ligament of left knee, sequela |
| S83.529A | Sprain of posterior cruciate ligament of unspecified knee, initial encounter |
| S83.529D | Sprain of posterior cruciate ligament of unspecified knee, subsequent encounter |
| S83.529S | Sprain of posterior cruciate ligament of unspecified knee, sequela |
| Z96.651 | Presence of right artificial knee joint |
| Z96.652 | Presence of left artificial knee joint |
| Z96.653 | Presence of artificial knee joint, bilateral |
| Z96.659 | Presence of unspecified artificial knee joint |

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Specialty-matched clinical peer review.

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Specialty matched clinical peer review.

## Revision History

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| Jan. 14, 2022 | ConnectiCare adopts clinical criteria of its parent corporation EmblemHealth |